

Interreg



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NEXT Black Sea Basin

(Interreg VI-B) NEXT Black Sea Basin Programme

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(Interreg VI-B) NEXT Black Sea Basin Programme

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Strand	B

1. Joint programme strategy: main development challenges and policy responses

1.1. Programme area

The Programme eligible area covers a territory of 714,012 km² and includes a population of 65.4 million people. The Black Sea is a unique sea basin, rich in biodiversity and heritage, but also where an exceptional combination of natural and human induced stressors co-occurs. The Black Sea is the leading territorial feature of the area and all the regions around its basin represent a functional area.

In line with the Joint Paper on Interreg NEXT Strategic Programming 2021-2027, the Russian Federation participated to programming. Following its unprovoked and unjustified, unprecedented military aggression against Ukraine and in light of the European Council Conclusions of 24 February 2022, the European Commission suspended the participation of the Russian Federation in the Programme. References to the Russian Federation in the analytical part of the programme text and in the major parts of the programme document (territorial analysis and strategic part) should be read and understood in this context. Until the suspension is lifted, the Russian Federation will not participate in the programme, in any form.

. Further amendment of the strategic framework reflecting better the constantly developing situation and needs in the Black Sea area is possible.

Armenia would be geographically eligible under the programme and it has been actively participating to programming. However, Armenia was not in a position to join the programme on time. In order to safeguard the full EU allocation to the partnership, the programme will be adopted without Armenia's participation at the moment, which does not impact the programme's territorial analysis and strategy. Armenia can still request to join the programme later.

The Programme area is determined on the basis of NUTS II units or equivalent, as follows:

COUNTRY	ELIGIBLE REGIONS¹
❖ Romania	- Sud-Est
❖ Bulgaria	- Severoiztochen - Yugoiztochen
❖ Greece	- Kentriki Makedonia - Anatoliki Makedonia Thraki
❖ Türkiye	- TR10 (İstanbul) - TR21 (Tekirdağ, Edirne, Kırklareli) - TR42 (Kocaeli, Sakarya, Düzce, Bolu, Yalova) - TR81 (Zonguldak, Karabük, Bartın) - TR82 (Kastamonu, Çankırı, Sinop) - TR83 (Samsun, Tokat, Çorum, Amasya) - TR90 (Trabzon, Ordu, Giresun, Rize, Artvin, Gümüşhane)
❖ Ukraine²	- Odessa oblast - Mykolaiv oblast - Kherson oblast - Zaporizhzhia oblast - Donetsk ³ oblast (Bakhmut, Kramatorsk, Volnovakha, Mariupol, Pokrovsk)
❖ Republic of Moldova	(whole country)
❖ Georgia	(whole country)

¹ Following the unprovoked and unjustified, unprecedented Russian aggression against Ukraine launched on 24 February 2022, the participation of Russia to this cooperation programme is suspended.

² Following the unprovoked and unjustified, unprecedented Russian aggression against Ukraine and its impact, only the territories under the control of the sovereign Government of Ukraine are eligible under the programme. Regions currently under Russia's military control will not be eligible, even if they are part of the Black Sea Basin.

³ According to the decision of Ukraine submitted in the context of confirmation of the geographical coverage of the programme with a view to prepare the Implementing Act, the following districts from Donetsk are eligible: Bakhmut, Kramatorsk, Volnovakha, Mariupol, Pokrovsk.

1.2. Joint programme strategy: Summary of main joint challenges, taking into account economic, social and territorial disparities as well as inequalities, joint investment needs and complimentary and synergies with other funding programmes and instruments, lessons-learnt from past experience and macro-regional strategies and sea-basin strategies where the programme area as a whole or partially is covered by one or more strategies

During the programming process a Territorial Analysis (TA) was developed as a joint effort of the programme bodies, with TESIM support, including also a SWOT analysis per each Policy Objective (PO)/ Interreg Specific Objective (ISO). A summary of main joint challenges and needs identified in the TA and in the SWOT analyses are presented hereinafter taking into account economic, social and environmental aspects, as well as current trends and priorities such as blue economy, innovation, governance, sustainability, digitalization, climate change, underlining as well the impact of the Covid-19 pandemic.

The cut-off date for the statistical data in most cases is 2019, as at the time of drafting the Programme, comparable information for 2020 was not always available.

POPULATION AND TERRITORY

A statistical overview of the (Interreg VI-B) NEXT BSB Programme eligible area in terms of territory and population is provided in the table below:

COUNTRY	ELIGIBLE REGIONS	TERRITORY (km ²)	POPULATION (thousands)	URBAN (%)	RURAL (%)	DENSITY (people/km ²)
ARMENIA	(whole country)	29,743	2,958	63%	37%	99
BULGARIA	Severoiztochen	14,487	925	73%	27%	64
	Yugoiztochen	19,798	1,024	73%	24%	52
GEORGIA	(whole country)	69,700	3,720	59%	41%	53
GREECE	Kentriki Makedonia	19,146	1,874	n/a	n/a	98
	Anatoliki Makedonia Thraki	14,157	600	n/a	n/a	42
REPUBLIC OF MOLDOVA	(whole country)	33,846	2,658	43%	57%	79
ROMANIA	Sud- Est	35,762	2,396	53%	47%	67

RUSSIAN FEDERATION⁴	Rostov Oblast	100,800	4,202	68%	32%	42
	Krasnodar Krai	76,000	5,648	55%	45%	74
	Adygea Republic	7,800	455	47%	53%	58
TÜRKİYE	İstanbul (TR10)	5,196	15,519	100%	-	2987
	Tekirdağ, Edirne, Kırklareli (TR21)	18,665	1,831	89%	11%	98
	Kocaeli, Sakarya, Düzce, Bolu, Yalova (TR42)	20,184	3,962	93%	7%	196
	Zonguldak, Karabük, Bartın (TR81)	9,493	1,043	62%	38%	110
	Kastamonu, Çankırı, Sinop (TR82)	26,435	793	64%	36%	30
	Samsun, Tokat, Çorum, Amasya (TR83)	37,524	2,830	84%	16%	75
	Trabzon, Ordu, Giresun, Rize, Artvin, Gümüşhane (TR90)	35,174	2,690	85%	15%	76
UKRAINE	Odeska	33,300	2,377	67%	33%	71
	Mykolaiv	24,585	1,120	69%	31%	46
	Kherson	28,500	1,028	61%	39%	36
	Zaporizhzhia	27,200	1,687	77%	23%	62
	Donetsk (districts ⁵ : Bakhmut, Kramatorsk, Volnovakha, Mariupol, Pokrovsk)	26,517	4,132	91%	9%	156
TOTAL		714,012	65,472	77%	23%	92

Table no. 1 - Overview of the Black Sea Basin eligible areas⁶

The share of the countries' eligible territory in the overall programme area, as well as the share of the countries' population from the eligible territory in the total population of the programme area is shown in the following figures. The largest parts of the eligible area lie in the territory of the Russian

⁴ Following the unprovoked and unjustified, unprecedented Russian aggression against Ukraine started on 24 February 2022, the participation of Russia to this cooperation programme is suspended. The data concerning Russia gathered for the purpose of the territorial analysis are kept in the programme document: however, no Russian beneficiaries will be eligible under the programme until the suspension is lifted.

⁵ The statistical data available is for the entire Donetsk Oblast and it was used as such in this document.

⁶ Source for the territory data: Joint Operational Programme Black Sea Basin 2014-2020.

Source for the population data: World Bank DataBank, World Development Indicators in <https://databank.worldbank.org/source/world-development-indicators>, 2019 – for Armenia, Georgia, Republic of Moldova; National Statistical Institute – for Bulgaria; Eurostat - for Greece, except for breakdown urban / rural, not available; National Institute of Statistics, <http://statistici.insse.ro:8077/tempo-online/#/pages/tables/insse-table> – for Romania; Federal State Statistic Service, <https://eng.gks.ru/territorial> – for the Russian Federation; Turkish Statistical Institute – for Türkiye; State Statistical Service – for Ukraine

Federation⁷, Türkiye and Ukraine. The distribution of population is, generally, similar to the share of territory, with few cases where population density changed this pattern (e.g.: Türkiye eligible area has the highest number of inhabitants among the participating countries' eligible area, however, it does not lead in the share of the eligible territory in the total eligible area. The situation is opposite in the case of the Russian Federation, leading in terms of eligible territory, but not of population share as well).

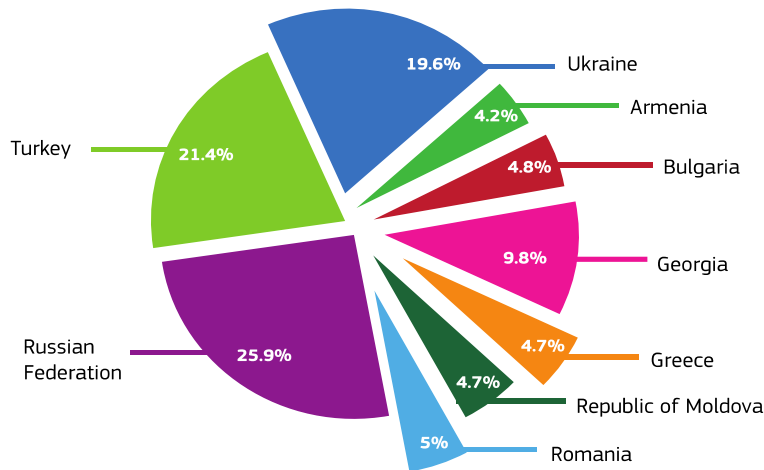


Figure no.1 - Share of the countries' eligible territory (%) of total programme area

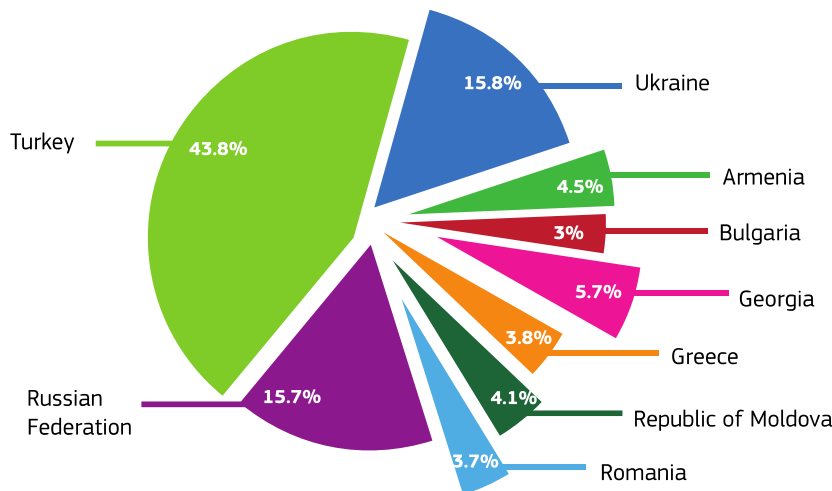


Figure no.2 - Share of the countries' population from the eligible territory (%) of total population of eligible area

The population density is 92 people/km² on average, below EU average⁸ of 109 people/km². It ranges from almost 3000 people/km² in strongly urbanised İstanbul to 30 people/km² in Kastamonu (Türkiye), revealing huge discrepancies in territorial development. Aside from İstanbul, the average density in the Black Sea programme area is 70 people/km².

⁷ Following the unprovoked and unjustified, unprecedented Russian aggression against Ukraine launched on 24 February 2022, the participation of Russia to this cooperation programme is *suspended*. Until the suspension is lifted, Russia is not part of the eligible area of the programme.

⁸ Eurostat - <https://ec.europa.eu/eurostat/databrowser/view/tps00003/default/table?lang=en>

The overall growth in the eligible area population reveals nonetheless highly disparate demographic trends among participating countries (see figure no. 3 below).

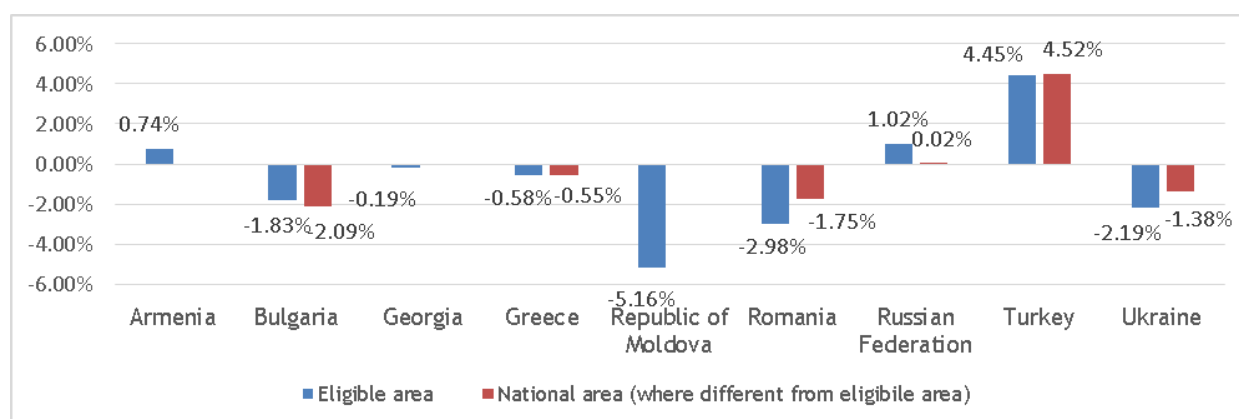


Figure no. 3 - Population trend (%) per country eligible area and per country area (where different from eligible area), 2016-2019⁹

The programme area is characterized both by the inclusion of large rural areas and by the inclusion of 5 cities (including 2 capital cities) of over 1 million inhabitants: İstanbul (Türkiye), Rostov-on-Don (the Russian Federation), Yerevan (capital of Armenia), Tbilisi (capital of Georgia) and Odessa (Ukraine)¹⁰.

The urbanisation process registered in the previous programming period continued in the analysed period. The breakdown urban / rural of 71% vs. 29% registered in the 2014-2020 Black Sea Basin Programme changed to 77% vs. 23% in 2019. There is an obvious more intensive growth (or a less intensive decline) in the urban population across the countries, both in the eligible area (average of 2.3% increase), and in the national area (average of 1.8% increase), with a strong impact in Türkiye, as İstanbul itself grew by over 0.7 million inhabitants over the analysed period. The only exception is in the eligible area of Romania, where the urban population decreased in a greater extent than the rural population.

⁹Source for regional data: World Bank DataBank, World Development Indicators in <https://databank.worldbank.org/source/world-development-indicators> - for Armenia, Georgia, Republic of Moldova; National Statistical Institute – for Bulgaria; Eurostat – for Greece; National Institute of Statistics – for Romania; Federal State Statistic Service, <https://eng.gks.ru/territorial> – for Russian Federation; Turkish Statistical Institute - for Türkiye; State Statistical Service – for Ukraine

Source for national data: World Bank DataBank, World Development Indicators in <https://databank.worldbank.org/source/world-development-indicators>

¹⁰ United Nations, Department of Economic and Social Affairs, Population Division (2018). *The World's Cities in 2018 – Data Booklet* (ST/ESA/SER.A/417), https://www.un.org/en/events/citiesday/assets/pdf/the_worlds_cities_in_2018_data_booklet.pdf

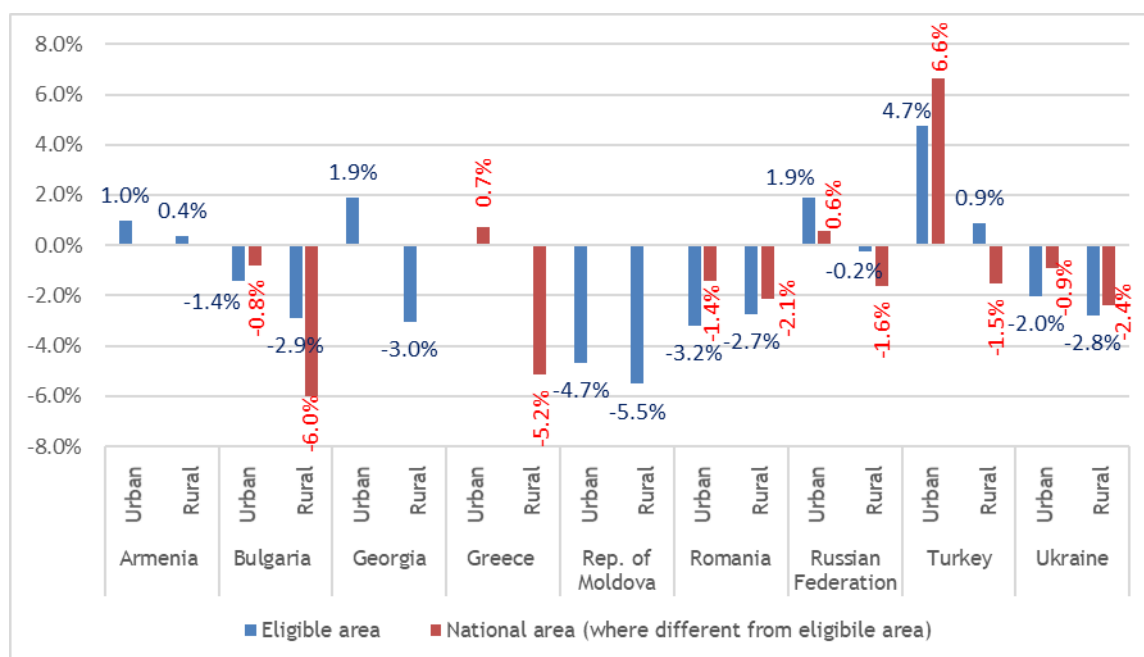


Figure no. 4 - Urban / rural population trend (%) per country eligible area and per country area (where different from eligible area), 2016-2019¹¹

The urbanisation process gives rise to common environmental and socio-economic challenges to ensure sustainable urban development.

Another feature of the programme area is the increase of population in the coastal zones during the summer season due to tourism, creating economic opportunities, but also putting additional strain on local infrastructure and environment.

POLITICAL AND ECONOMIC CHALLENGES

The political position regarding the EU among the Black Sea Basin countries is not homogeneous: Bulgaria, Greece and Romania are EU member states, Türkiye is negotiating its accession to the EU. The Republic of Moldova, Georgia and Ukraine signed Association Agreements with the EU and continue to facilitate coherent actions aimed to strengthen the political association and economic integration with the European Union, including the DCFTA part. Armenia has signed the Comprehensive and Enhanced Partnership Agreement with the EU, which fully entered into force on 1 March, 2021. Collectively, Armenia, Georgia, the Republic of Moldova and Ukraine are part of and cooperate under the Eastern Partnership (EaP) umbrella.

The region is located in the vicinity of large markets including the rest of the European Union, the Russian Federation and Türkiye and benefits from a vast area of agricultural land and considerable energy and natural resources. Although the pace of structural reform varies from one country to another, the region as a whole is on a trajectory of economic transformation, shifting progressively

¹¹ Source for regional data: World Bank DataBank, World Development Indicators in <https://databank.worldbank.org/source/world-development-indicators> - for Armenia, Georgia, Republic of Moldova; National Statistical Institute – for Bulgaria; Eurostat – for Greece (only national data available); National Institute of Statistics – for Romania; Federal State Statistic Service, <https://eng.gks.ru/territorial> – for Russian Federation; Turkish Statistical Institute - for Türkiye; State Statistical Service – for Ukraine
Source for national data: World Bank DataBank, World Development Indicators in <https://databank.worldbank.org/source/world-development-indicators>

away from a growth model based on large enterprises specialised in intermediary outputs and commodity transformation, towards a more diversified and open economic structure¹².

Nonetheless, important challenges remain. Moreover, some countries experienced strong currency depreciation. Therefore, the economy of some of the Black Sea Basin countries continues to be vulnerable to external shocks such as increased global trade tensions, turbulence in global financial markets and regional geopolitical tensions.

The economies of some of the Black Sea Basin countries depend heavily on investment and support from their nationals from abroad.

In all the Black Sea Basin countries, services represent the main economic sector, followed by industry and agriculture.

The economic structure of the Black Sea Basin countries still shows overall a larger share of agricultural and industrial sectors than the EU average. In terms of economic structure, the countries have in common a long-term decline of the agricultural sector, the rapid growth of the services sector, and the fact that on the expenditure side the private sector accounts for most of the incremental economic growth, led notably by consumer demand¹³.

Significant differences¹⁴ in terms of GDP per capita exist between EU Member States and partner countries¹⁵, ranging from 3,725 USD for Ukraine to 19,583 USD for Greece. The average is more than five times lower than the EU average GDP per capita and it corresponds to an upper middle-income level according to the World Bank classification.

At regional level, in 2018, the region of Kentriki Makedonia from Greece is the region with the highest GDP per capita with 30,452 USD and Zaporizhzhia from Ukraine, the region with the lowest GDP per capita with 1,165 USD.

In a number of countries in the area, the growth outlook was relatively stable in the 2016-2019 period, but unaddressed challenges keep growth below potential¹⁶. The economic growth for the Black Sea Basin countries was on average 1,85% in 2016, 4,11% in 2017, 3,41% in 2018 and 3,32% in 2019 and it outperformed the EU average growth in almost the entire reference period (2% in 2016, 2,6% in 2017, 2% in 2018 and 1,5% in 2019).¹⁷

¹²Eastern Partner Countries 2020 Assessing the Implementation of the Small Business Act for Europe: <https://www.oecd-ilibrary.org/docserver/8b45614b-en.pdf?expires=1600772864&id=id&accname=guest&checksum=7AEEF0D17FD80A0716B3430A8EAD6FFB>

¹³Commission on the Black Sea - *The Current State of Economic Development in the Black Sea Region, Policy Report, 2010*

¹⁴Joint paper on Interreg NEXT Strategic Programming 2021-2027, 20 January 2020, Orientation for Interreg NEXT Black Sea Basin Cooperation

¹⁵According to *Regulation (EU) 2021/1059 of the European parliament and of the Council of 24 June 2021*: 'partner country' means an IPA III beneficiary or a country or territory covered, for Interreg A and B programmes, by the Neighbourhood area listed in Annex I to Regulation (EU) 2021/947 or the Russian Federation, (...), and which receives support from the external financing instruments of the Union;

¹⁶Joint paper on Interreg NEXT Strategic Programming 2021-2027, 20 January 2020, Orientation for Interreg NEXT Black Sea Basin Cooperation

¹⁷Source: <https://ec.europa.eu/eurostat/databrowser/view/tec00115/default/table?lang=en>

As far as the inflation (consumer price index) is concerned, the rates fluctuate from one country to another. In most of the countries, the inflation is under control, but an ascendant trend is noticed reaching 2 digits rates in Türkiye and Ukraine.

The EU is an important economic and trading partner for the countries of the Black Sea region. Through its bilateral and regional activities, the EU supports the efforts of the countries of the region to improve their regulatory framework and overall business environment. The EU has been supportive of efforts by regional cooperation organisations aimed at furthering trade liberalisation. It will be important in the period ahead to ensure compatibility with existing commitments, including in the EU and WTO contexts.

In 2019, the average exports of the Black Sea Basin countries represented 41.45% of GDP and imports 44.9% of GDP. Most of the Basin countries have trade deficits.

Currently, the Russian aggression against Ukraine is having high impact on the global supply chain, impeding the flow of goods, fuelling dramatic cost increases and product shortages, and creating severe food shortages around the world.

The war has separated key transport links between Ukraine and the rest of the world, disrupting trade. Ukraine's connections to European ports have been cut, and agricultural products exports to other destinations have been constrained.

High food and energy prices and the continued worsening of supply-chain problems led also to consumer price inflation at higher levels than previously foreseen. In addition, the large influx of Ukrainian refugees towards EU countries has led to further operational challenges.

BLUE ECONOMY -THE CONNECTING ELEMENT FOR SUSTAINABLE USE OF BLACK SEA RESOURCES

“The Blue Economy” stands out as an important step in the conceptualization and realization of sustainable development (SDG 14). As it is well known, sustainable development is a definition that meets the needs of the present without compromising the ability of future generations to meet their own needs. Thus, the blue economy is the sustainable use of ocean and sea resources for human benefit. In the simplest terms, the Blue Economy is shaped around two elements. The first is the need to protect and where necessary, restore the existing ocean and sea resource base, which currently provide food and livelihoods for people. The other element of the Blue Economy concerns the oceans and seas as resources that offer opportunities for enhanced or new sustainable economic activities.¹⁸

In this context considering the unique environmental characteristics of the region, the blue economy in the Black Sea Basin is strongly dependent on the established maritime sectors, such as transport, shipbuilding, fisheries/ aquaculture and tourism.

¹⁸Source: https://www.undp.org/blog/blue-economy-sustainable-ocean-economic-paradigm?utm_source=EN&utm_medium=GSR&utm_content=US_UNDP_PaidSearch_Brand_English&utm_campaign=CENTRAL&c_src=CENTRAL&c_src2=GSR&gclid=Cj0KCQiAq7COBhC2ARIsANsPATH6ijkSkPExvd03jY5cy2g_n2I8j6rEnDd9Sed-RetbI8yHU0c-ePYaAuXCEALw_wcB

There is a high level of diversity in terms of business conditions and business growth throughout the region. The overwhelming majority of firms in the Black Sea Basin area are small and medium-sized enterprises (SMEs). Small and medium enterprises in the Partner Countries still play a relatively modest role when it comes to contributing to employment and GDP, compared to those in the EU, although they represent up to 99% of all firms. The vast majority of SMEs in the Partner Countries are subsistence micro-entrepreneurs operating in low-value-added sectors and with limited propensity for export.

The tourism industry constitutes today an important source of revenues for most Black Sea countries. The Black Sea Basin area comprises both established and emerging tourism locations with varying degrees of infrastructure development, connectivity and brand strength.

On the other hand, the Black Sea countries possess remarkable cultural and ethnic diversity, rich historical and architectural heritage and diverse natural resources, aspects which are blended over the millennia to shape unique communities, languages, religions and trades, a namely distinctive and attractive match to travellers, therefore great potential for development of tourism industry and contribution to blue economy.

UNESCO recognized 19 cultural places in the Black Sea Basin area, including historical cities, religious architecture and archaeological sites. In addition, 3 natural/mixed sites from the Black Sea eligible area are included on the UNESCO World Heritage List.

The Black Sea is a sea basin with important potential, but also challenges with regard to sustainable use of its marine resources. The marine aquaculture has been one of the fastest growing activities in the last years and is considered as having a great future potential.

The marine aquaculture is characterised by the production of European sea bass, mussels, oysters, sea trout and turbot. In general, aquaculture plays a major role in the countries around the Black Sea, where sea-fishing is generally small-scale.

The countries in the Black Sea Basin area have low levels of innovation infrastructure and investment. In terms of investments in R&D as a percentage of GDP, all the Basin countries are below the European average (EU28) of 2%.

Universities and research institutes, together with the large private companies located in the Black Sea Basin countries act as sources of talented and qualified human capital willing to engage in innovative activities. Also, several networks for researchers were created in the area in the last years, such as the International Centre for Black Sea Studies (ICBSS), Black Sea Universities Network (<https://bsun.org/>) which already has the capacity to implement research projects.

The small and medium enterprises' innovation potential and ability to adapt to fast-changing market conditions makes them an increasingly important source of entrepreneurial dynamism in the Black Sea Basin area, as well as an important pillar of blue economy.

Transnational cooperation represents a key opportunity for the interested actors from the Black Sea Basin area to further develop research and innovation activities. In addition, the Smart Specialisation framework may help to spot blue-growth niches for innovation.

THE IMPACT OF COVID-19 CRISIS

Besides the huge impact on the health sector, the COVID-19 outbreak is bringing considerable socio-economic disruption. The effects of the current crisis are affecting the cross-border dynamics and will certainly influence the socio-economic perspectives of the Black Sea Basin cooperation areas.

The impact of COVID-19 on gross domestic product for 2020 is estimated to be significant in the countries of Black Sea Basin area.

The economic sectors most affected by the COVID-19 outbreak in the Black Sea Basin cooperation area were tourism (accommodation, catering, transportation, travel agencies and tour operators' activities), and cultural and entertainment activities.

The transport industry was also highly affected in all the Basin countries as maritime and air traffic was almost completely shut down during the first months of confinement.

Also, other industries suffered an economic slowdown: the automobile sector, the manufacture industry and shipping industry.

The recent COVID-19 pandemic makes the need to protect and restore nature all the more urgent. The pandemic is raising awareness of the links between our own health and the health of ecosystems. It is demonstrating the need for sustainable supply chains and consumption patterns that do not exceed planetary boundaries. This reflects the fact that the risk of emergence and spread of infectious diseases increases as nature is destroyed. Protecting and restoring biodiversity and well-functioning ecosystems is therefore key to boost our resilience and prevent the emergence and spread of future diseases.¹⁹

ENVIRONMENTAL CHALLENGES

The Black Sea is one of the seas most heavily impacted by human activities in the world. A combination of features renders its ecosystem highly sensitive to pressures from such activities. The area is also marked by the effects of climate change, although this issue has not been sufficiently addressed at the regional scale.

The Black Sea countries are structurally very heterogeneous, which presents a multitude of opportunities, but also challenges.²⁰

In the coastal areas, the main environmental challenges remain: (a) the preservation of the commercial marine living resources, (b) the conservation of Black Sea biodiversity and habitats, (c) eutrophication reduction and ensuring good water quality for human health, (d) recreational use and aquatic biota.²¹

¹⁹ Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions, EU Biodiversity Strategy for 2030:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1590574123338&uri=CELEX:52020DC0380>

²⁰Source: <https://webgate.ec.europa.eu/maritimeforum/system/files/Report%203%20%28Task%204%29%20Final%20final%2014-4-14.pdf.pdf>

²¹ Commission on the Protection of the Black Sea against Pollution - Black Sea Commission (2017), Black Sea Integrated Monitoring and Assessment Program (BSIMAP) for years 2017-2022: https://ec.europa.eu/environment/marine/international-cooperation/regional-sea-conventions/bucharest/pdf/BSIMAP_2017_to_2022_en.pdf

On the other hand, the four strongly interlinked priority transboundary problems of the Black Sea, as defined by the EU-funded Environmental Monitoring in the Black Sea (EMBLAS) Project²² are eutrophication – nutrient enrichment, changes in marine living resources, chemical pollution (including oil), and biodiversity/habitat changes, including alien species introduction – as well as the underlying root causes like industrial activities, agriculture, domestic wastewater, sea transport (oil spills, ballast water), and coastal zone degradation (urbanisation, tourism).

Nevertheless, environmental issues are equally important on land-borders, particularly in relation to transboundary waters (river basins, including groundwater, and lakes), transboundary air pollution and waste management, or shared protected areas.²³

Due to its semi-enclosed nature, urbanisation and industrialisation of coastal areas and increasing pressure on its natural resources, the Black Sea underwent substantial biodiversity degradation over the last century. As a result, there have been considerable efforts at both regional and national levels to curb pollution inputs, address eutrophication and enhance sustainable natural resource management. In addition, there is a wider concern of how climate change will impact the Black Sea ecosystem, which is not yet well understood. Tackling these issues will enhance the environmental status of Black Sea, but also encourage the development of maritime activities that are directly dependent on a healthy and balanced environment, such as fisheries, aquaculture and tourism.²⁴

The higher number of flooding events in the Black Sea Basin area has been associated with climate change. Based on the available statistical data for period 2016-2019²⁵, there are areas under the risk of flood in Greece, Republic of Moldova and Romania, higher in Anatoliki Makedonia, Greece (5,170 sq km) and South-East, Romania (4,921 sq km), while lower in Kentriki Makedonia, Greece (3,735 sq km) and Republic of Moldova (2,640 sq km).

In addition, coastal erosion is a serious problem along the Black Sea coasts, where 19% (800 km) of the coast is experiencing erosion rates higher than 1 m/year and there is a lack of proper coastal erosion management strategies, regulations and frameworks in the riverine countries.

Despite the fact that the Black Sea ecosystems are known to be rich and diverse, the knowledge regarding these ecosystems is by far limited compared to other seas. For example, all biodiversity features of its marine region have an ‘unknown’ status.²⁶ An initial assessment of the ecological status of the coastal waters of Georgia, Russian Federation and Ukraine has been done within the framework of the EMBLAS project. Nevertheless, there are more than twenty nature reserves in the Black Sea Basin. According to the European Environment Agency (EEA), between 2000-2019, coverage of nationally protected areas more than doubled in Republic of Moldova, increased substantially in Ukraine (75 %), and expanded to a lesser extent in Georgia (37 %) and Armenia²⁷. The surface of the protected areas is still significantly short in the Black Sea Basin area and most of the existing

²² [Summary of EMBLAS Project findings, gaps, and recommendations.pdf](https://www.emblasproject.org/Summary_of_EMBLAS_Project_findings_gaps_and_recommendations.pdf) (www.emblasproject.org)

²³ EC-EEAS (2020), Joint Paper on Interreg NEXT Strategic Programming 2021-2027

²⁴ Source: <https://webgate.ec.europa.eu/maritimeforum/system/files/Report%203%20%28Task%204%29%20Final%20final%2014-4-14.pdf.pdf>

²⁵ Source: Data provided by participating countries during the programming period, based on national statistics, at national and regional level. For the rest of the countries/regions, data is not available

²⁶ EC-EEAS (2019), Black Sea Synergy: review of a regional cooperation initiative - period 2015-2018 and EC-EEAS (2020), Joint Paper on Interreg NEXT Strategic Programming 2021-2027

²⁷ See <https://www.eea.europa.eu/publications/protected-areas-in-the-eastern>

protected areas are terrestrial, while there are fewer marine protected areas, except Romania having a balanced representation between terrestrial and marine protected areas. Other challenges include the need for improving the effectiveness of the management of protected areas as well as putting efficient monitoring programmes in place.

Although several countries in the Black Sea region face water scarcity²⁸, the basin is generally well provided with freshwater resources, including those suitable for drinking water. However, pollution of rivers has led to a sharp decline in access to safe drinking water resources and necessitates the use of costly technologies for water treatment. Through technical assistance and investment support, the European Union has assisted the countries of the region to improve access to modern water supply and sanitation services. Nevertheless, further actions are still needed.

The large cities of the Black Sea Basin catchment area outside the coastal zone mostly have full biological treatment of wastewater, which in general operates with sufficient efficiency. Nonetheless, wastewater treatment is often not sufficient or absent in the rural areas and in coastal cities - all the more so given that the treatment plants get overloaded in the high season, when the population in coastal cities increases substantially.

Concerning pollution, land-based sources are the biggest polluters and account for more than 70% of all pollution in the Black Sea area. Eutrophication nutrients, which enter the sea from air pollution, via surface and ground water or directly through atmosphere depositions on the sea surface are one of the more damaging pollutants. Specifically, nutrients stemming from the Danube River (mainly nitrates) remain significant but stable over time. Oil pollution in the Black Sea remains an on-going concern along major shipping routes and in coastal areas around river mouths, sewage outputs, industrial installations and ports.²⁹

Water pollution, whether from agricultural activities, industrial or urban discharges are critical problems, exacerbated by risks of marine pollution in regional seas, like the Black Sea. Air pollution is a transboundary issue too in marine areas also due to maritime transport.³⁰

Environmental protection and climate change issues are important in the context of shared sea basins.³¹ Towards this direction the EU Biodiversity Strategy and the Zero Pollution Action Plan for 2030 which was structured in 2030 Agenda for Sustainable Development and with the objectives of the Paris Agreement on Climate Change, includes key commitments for 2030 for legally protecting a minimum of 30% of the EU's land area and 30% of the EU's sea area and strictly protecting one third of the EU's protected areas. The way to mitigate the impacts of climate change, control for natural disasters, overcome food insecurity and control for disease outbreaks - including by protecting wildlife and fighting illegal wildlife trade, is to establish a coherent, interconnected, resilient Trans-European Nature Network of protected areas on land and at sea. The EU Biodiversity Strategy for 2030 clearly mentions in order to "have a truly coherent and resilient Trans-European Nature Network, it will be important to set up ecological corridors to prevent genetic isolation, allow for species migration, and maintain and enhance healthy ecosystems". Several countries in the Black Sea

²⁸ <https://www.eea.europa.eu/highlights/eus-eastern-partnership-countries-face>

²⁹ EC-EEAS (2020), Joint Paper on Interreg NEXT Strategic Programming 2021-2027

³⁰ EC-EEAS (2020), Joint Paper on Interreg NEXT Strategic Programming 2021-2027

³¹ EC-EEAS (2020), Joint Paper on Interreg NEXT Strategic Programming 2021-2027

basin have set national targets for protected area coverage to be reached by 2020. Since 2009, the setting up of the Bern Convention's Emerald Network has been supported by consecutive joint EU/Council of Europe programmes financed by the EU.

As concerns pollution reduction, main challenges for the cross-border area are related to tackling the main sources of pollution in the sea, improving water treatments and management, improving waste management systems, preventing pollution from waste generation and reducing marine litter, including by promoting recycling solutions.³²

For environmental data collection projects will be encouraged during the application process to consult and further develop, if necessary, the information gathered by the European Environmental Agency or under other initiatives, such as AQUILA, FAIRMODE or Copernicus, etc.

Without international cooperation and immediate actions, the environmental status of the Black Sea is at high risk of degradation. Therefore, the establishment and efficient operation of a coherent, interconnected and resilient to climate change, nature network at the Black Sea region is of critical importance.

Thus, 45% of the financial allocation for projects of the (Interreg VI-B) NEXT BSB Programme is dedicated to achieving the climate objectives, as set out in article 6 CPR, Annex I CPR, recital 5 Interreg and 30 % is earmarked to biodiversity pursuant to the ambition set in recital 11 CPR.

CONNECTIVITY AND TRANSPORT

A more connected cooperation area between the EU Member States and Partner Countries is an ambitious aim, related with all the other policy objectives of the EU Cohesion Policy.

Nine corridors have been identified to streamline and facilitate the coordinated development of the Trans-European Transport Network (TEN-T)³³, the Black Sea being positioned at EU's Eastern end of Orient/East-Med corridor (brown) and Rhine-Danube corridor, which connect the EU with its neighbours in the region.

The Rhine-Danube corridor and its Eastern end connection with the Black Sea call for a closer dialogue and cooperation between the Danube and the Black Sea regions, with the Danube River being the main water way and connection between the Black Sea and Central and Western Europe. Between 2015 and 2018, efforts were made to develop the links between the two regions. Creating new connections between the Black Sea ports can improve the inter-connection of the Black Sea with the Danube, the Dnieper, the Dniester and the Don rivers.

The Black Sea ports' connections among themselves and ferry links with the Greek ports should be further developed, so as to provide a partial connection with the Mediterranean through the Straits, as well as eastwards, to the Caucasus, to guarantee the integration of the Black Sea region's East and West coasts. The Black Sea-Mediterranean connection is important also for the implementation of the motorways of the sea, as a real competitive alternative to land transport. Focusing on freight flow sea-based logistical routes it aims to reduce road congestion through modal shift. At European Union

³² EC-EEAS (2020), Joint Paper on Interreg NEXT Strategic Programming 2021-2027

³³ Source: https://ec.europa.eu/transport/themes/infrastructure/ten-t_en

level, Motorways of the sea is envisaged to become part of TEN-T network³⁴, so the Black Sea-Mediterranean connection becomes important, especially with regard to the South-East Europe corridor.

In the above-mentioned context, the need for greater inter-modality and multi-modality comes to the front. It is for this reason that the Black Sea ports and their related infrastructure should be modernized and connected with the rail and road transport and with existing transport nodes. In particular, the connection with the TENs corridors, running through Bulgaria, Romania and Ukraine could be improved, which will provide better connectivity of the region with the adjacent networks and will be a step towards its further territorial integration in Europe.

Due to its strategic location on the way of important energy routes between Europe, the Caucasus and the Middle East, the Black Sea region became an expanding energy market with great development potential and an important hub for energy and transport flows³⁵. The Caspian Sea region specifically emerged as an important oil and gas supplier for Europe. Most export routes for Caspian oil and gas to Europe cross the Black Sea, or the riparian states.

The Black Sea Basin presents new opportunities for connectivity. Developing sustainable, intelligent and intermodal infrastructures, port infrastructure and management modernization and digital connectivity may bring added value to the region and beyond. The Black Sea Basin's bridging role in terms of interconnectivity and its links with Asia, through the Caspian region, with the Danube and Mediterranean should be further developed, as they play a key role in the energy and transport sectors³⁶.

With regard to airports connected to an international network in the Black Sea region, the 2019 data shows that, compared to 2016, only one new airport has been constructed in Türkiye, İstanbul (TR10) region.

With less access to highways and motorways, the Black Sea region road transport infrastructure still misses an integrated, regional planning approach.

In the latest years, digital connectivity became closely linked to the access of internet from private networks. The Black Sea Basin area experienced a year-on-year average growth of the numbers of households equipped with a personal computer and of the households with internet access. Moreover, the use of internet services by citizens continuously augmented.

In the Black Sea Basin countries there is wide access and an increasing trend of using Internet services by citizens. In 2016, only 63% of the population of the Basin countries used Internet, compared with 78,7% in 2019.

More than ever, the COVID-19 pandemic showed that all the digitalization aspects, such as connectivity (fixed broadband take-up, fixed broadband coverage, mobile broadband and broadband prices), human capital (Internet user skills and advanced skills), use of internet (citizens' use of internet services and online transactions), integration of digital technology (business digitisation and

³⁴ Source: https://ec.europa.eu/transport/modes/maritime/motorways_sea_en

³⁵ Black Sea Synergy – A New Regional Cooperation Initiative

³⁶ Joint paper on Interreg NEXT Strategic Programming 2021-2027

e-commerce) and digital public services (e-Government) should represent a key priority in the development of a blue economy of the BSB countries.

Nevertheless, given the size of the covered area and the faced challenges, reaching the foregoing ends related to strategic sustainable transport and digital networks would demand high investments in infrastructure.

SOCIAL AND EDUCATIONAL CHALLENGES

The improvement of the welfare of people in the Black Sea Basin entails collaborative reactions and a systemic approach aiming to foster education, health care and employment and to promote social development and inclusion.

There is a high level of education of the Black Sea Basin population overall. There are differences across the programme area in relation to primary and secondary educational infrastructure, with some risks for needs to be unfulfilled in some countries. Vocational high-school education enrolment is generally on a slightly negative trend. Severe disruptions in education systems appeared in the context of COVID-19 crises, with expected long-term negative effects (and more accentuated for disadvantaged groups), not only for education, but also for society in general. In the context of physical restrictions due to COVID-19 pandemic, new challenges and opportunities for education are to be considered (digitalisation, online education).

Unemployment rates are high in the eligible area, especially for the youth. In the context of COVID-19 crises, it is expected that an increase and greater impact may be registered for the disadvantaged categories. In the context of physical restrictions due to the pandemic, new challenges and opportunities for the labour market are to be considered (digitalisation, remote / online working and training).

The COVID-19 pandemic may put additional pressure on the pre-existing social issues in the Black Sea Basin area, especially for the vulnerable categories of population, such as the refugees and migrants, poor people, older people, people with disabilities, women exposed to domestic violence, children and the youth.

Health provision is highly inconsistent throughout the programme area and generally below the EU average levels. There are general marginal positive trends in some areas (e.g. life expectancy, infant mortality rate, universal health care coverage, number of hospital beds and number of doctors). Substantial burdens are brought to healthcare by the COVID-19 pandemic. Nevertheless, in the context of the pandemic restrictions, opportunities like digitalisation and remote and online communication may encourage the development of e-health services.

GOVERNANCE AND CIVIL SOCIETY

The importance of stimulating cooperation with the civil society organizations in the Black Sea region with a view to facilitating sustainable development and increasing societal resilience was reiterated

by the *Council Conclusions on the EU's engagement to the Black Sea regional cooperation as adopted on 17 June 2019*. Creating space for civil society remains a constant priority³⁷.

The shrinking space of civil society in the region continued to be a cause for concern. Good governance includes active participation of civil society in the region. The NGOs often remain poorly anchored in society, with low membership and volunteering levels and even lower levels of individual donations, relying mostly on foreign or public funds.

With strong competition for funding, local NGOs often remain organization-centered rather than joining forces in coalitions and networks around issues. Fostering a collaborative spirit among NGOs and connecting them to the wider society remains a challenge in large parts of the Black Sea Basin area.

At the level of the Black Sea Basin, NGO cooperation has developed within the Black Sea NGO Forum, which met regularly since its launch in Bucharest in 2008, providing space for debate, mutual knowledge and cooperation among civil society representatives in the Black Sea region. The Forum has been organized with the support of the Romanian Ministry of Foreign Affairs and the European Commission, in the framework of the Black Sea Synergy. This EU funded project is aimed at fostering regional cooperation among civil society organisations that support the creation of joint partnerships and projects. Support for the development of the Black Sea NGO Forum and its structures has been extended until the end of 2022. New forms of civil-society cooperation could build upon the work of the Black Sea NGO Forum and should make use of existing structures.

The previous Black Sea Basin programmes have been an important vector for consolidation of the Black Sea NGO community, an important share of partners in the approved projects under the 2014-2020 Programme being represented by civil society organisations (75%).

Bringing Europe and its neighbourhood closer to its citizens is a cross-cutting issue that goes hand in hand with good governance. At the level of the Black Sea Basin area, the following challenges are encountered:

- The existence of areas with reduced administrative capacity and the lack of resources for implementing cooperation initiatives;
- Low level of involvement of public authorities in projects financed under the previous programmes;
- Digital public sector divide;
- The differences between the administrative systems in the countries;
- NGOs often remain organization-centered rather than joining forces in coalitions and networks around issues;
- Relatively reduced coverage of digital public services;

³⁷ EC (2020) - Joint paper on Interreg NEXT Strategic Programming 2021-2027. Interreg NEXT programmes on EU external borders with the neighbouring partner countries – Annex IV Orientations for the Interreg NEXT Black Sea Basin cooperation

- The language barrier represents an important obstacle to collaboration between stakeholders.

MIGRATION AND BORDER MANAGEMENT

Regional security concerns and protracted conflicts in the Black Sea area continue to impede the social and economic development of these transition economies³⁸.

The tensions generated by conflicts over territories represent threats for the security of the region as a whole and not only for the states involved in these conflicts. For the Black Sea Basin countries, the borders represent sometimes obstacles but also potential bridges for cooperation.

Effective border management requires that the EU's external borders are both efficient and secure. In many respects, this requires close cooperation at the national level, but CBC has also an important role to play, for example in upgrading border-crossing infrastructure, in enhancing information exchange and cooperation between border authorities at the local level or in improving governance via a more coordinated approach to management.

The European Union has been seriously affected in 2015 and 2016 by the refugee and migrant crisis, as consequence of the war in Syria. An extraordinary pressure was put on the EU as hundreds of thousands of persons poured in, often uncontrolled, in the Member States. If the Mediterranean Sea was in the forefront of the crisis, the Black Sea played a secondary role. The Black Sea route was temporarily used in 2017.

On the other hand, the Black Sea Basin countries have some of the largest emigrant populations within the region.

All in all, migration is a delicate topic and addressing it requires a lot of funds. Moreover, refugees and migration issues do not present common features in all the Black Sea Basin countries, each country having its own specificity: high number of refugees in Türkiye and Greece, countries with high rates of migration (the Russian Federation, Romania, Bulgaria, Ukraine, Armenia, and the Republic of Moldova) and countries economically dependent on remittances received (Ukraine, Armenia, Georgia and Republic of Moldova).

Russia's war of aggression against Ukraine is creating additional challenges. In the three months since the Russian invasion of Ukraine over 5.7 million people have fled to the EU, over 8 million persons are internally displaced in Ukraine, including 2.5 million children. A significant escalation of the war or other serious incidents could prompt additional large-scale movements out of the country.

SYNERGIES AND COMPLEMENTARITIES

In order to enhance the utilization and capitalisation of projects supported by EU funds, the (Interreg VI-B) NEXT BSB Programme has to be consistent with the provisions of the Interreg Regulation (EU)2021/1059 and to be developed and implemented in synergy with the macro-regional and sea basin strategies and other existing regional cooperation initiatives.

³⁸ European Commission, Joint paper on Interreg NEXT Strategic Programming 2021 - 2027

The Black Sea Synergy (BSS) is the key political framework for the European Union's engagement and enhanced cooperation in the region. It was launched in 2007³⁹ as a flexible forum to encourage cooperation between the EU and the countries surrounding the Black Sea⁴⁰ for developing practical region-wide solutions to address regional and global challenges.

The BSS develops cooperation within the Black Sea region, and between the Basin and the European Union, based on common interests. It also intends to enhance synergies with existing regional initiatives linking the region to the EU, such as the EU Strategy for the Danube Region, and with existing international organisations active in the region.

Complementarity of support is essential to ensure the best use of resources and the results for the eligible regions and stakeholders. In this respect, the (Interreg VI-B) NEXT BSB Programme will continue to seek for complementarities with other key cooperation frameworks within the Black Sea region and with other donors, such as the Black Sea Economic Cooperation (BSEC), the Conference of Peripheral Maritime Regions (CPMR) & Balkan and the Black Sea Commission (BBSC), the Assembly of European Regions (AER), the Commission for the Protection of the Black Sea against Pollution (Black Sea Commission or BSC) and the Three Seas Initiative⁴¹.

The success of transnational cooperation in the Black Sea Basin area depends as well on the coordination and cooperation with other funding instruments as it creates opportunities to capitalise on project outputs and results, and consequently to multiply their territorial impact.

Thus, (Interreg VI-B) NEXT BSB Programme aims to make use of synergies and complementarities with other EU funded programmes and other donors' contribution.

In order to ensure coherent interventions and to respect the principle of sound financial management, whilst avoiding double funding, actions under the Programme need to be consistent with and complementary to national and regional programmes for the Member States (financed through Multiannual Financial Framework – MFF) and other Interreg Programmes with which the (Interreg VI-B) NEXT BSB Programme shares common territories, such as: Interreg NEXT Romania-Moldova, Interreg NEXT Romania-Ukraine, Interreg Romania-Bulgaria, Interreg Greece-Bulgaria, Interreg IPA Bulgaria-Türkiye and Interreg Danube, including Danube Strategy Flagships. The green and blue economy elements in these programmes, in particular, the training and skilling of workforce, should be followed.

In addition, in order to contribute to the restoration of the marine environment to health, the Programme aligns with the EU's climate neutrality and zero pollution ambition for 2030 and 2050 found in the Green Deal objectives, the UN 2030 Agenda for Sustainable Development and its 17 Sustainable Development Goals, the 2030 climate and energy framework, the sustainable blue economy plan, Horizon Europe programmes, in particular with Horizon Europe's Mission on Restore our Ocean, as well as the financing mechanism under the Recovery and Resilience Facility of the EU.

³⁹ Communication "Black Sea Synergy – a New Regional Cooperation Initiative", COM 2007 (160) final, adopted 11. 04. 2007

⁴⁰ The countries covered by the EU's Black Sea Synergy initiative are: Armenia, Azerbaijan, Bulgaria, Georgia, Greece, Romania, the Republic of Moldova, the Russian Federation, Türkiye and Ukraine. Following the unprovoked and unjustified, unprecedented Russian aggression against Ukraine launched on 24 February 2022, the EU engagement with Russian authorities has been suspended.

⁴¹ Three Seas is an initiative that brings together 12 EU Member States between the Baltic, Black and Adriatic seas: Austria, Bulgaria, Croatia, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia and Slovenia

While the (Interreg VI-B) NEXT BSB Programme focuses exclusively on the transnational added value of the projects, it may be complementary to the actions meant to repair the immediate economic and social damage brought about by the coronavirus pandemic, financed through the Recovery and Resilience Facility.

Also, the Recovery and Resilience Facility is a temporary recovery instrument, closely linked to the priorities aimed at long-term sustainable and inclusive recovery that promotes the green and digital transitions, while the (Interreg VI-B) NEXT BSB Programme fosters long lasting partnerships tackling well-defined objectives and addressing challenges with a transnational dimension.

During the call for proposals, applicants from the participating countries will be requested to describe complementarities of the activities envisaged to be financed through the (Interreg VI-B) NEXT BSB Programme with the other actions financed from the EU budget or other sources.

Hence, in all stages of the implementation process, effective coordination in order to safeguard the consistency, coherence, complementarity and synergy among sources of funding shall be considered, in order to achieve maximum of impact and tangible benefits for the citizens in all countries participating to the programme.

Synergies will be ensured with the Eastern Partnership policy⁴² and regional and country-specific work carried out under its umbrella⁴³.

MACRO-REGIONAL STRATEGIES AND SEA-BASIN STRATEGIES

Macro-regional strategies represent a new opportunity for comprehensive development of a larger region, addressing common challenges and potential. They represent a clear EU value added and existing EU horizontal policies are reinforced.

The successful implementation of regional strategies largely depends on the institutional capacity of the multiple-level institutions and actors involved in its governance. It becomes even more challenging as the Black Sea Basin area is a large heterogeneous area, from a demographic, social, economic and political point of view.

The (Interreg VI-B) NEXT BSB Programme is drafted in line with the goals of the main strategies concerning the programme area: Black Sea Synergy (BSS), Common Maritime Agenda for the Black Sea (CMA), EU Strategy for the Danube Region (EUSDR), EU Strategy for the Adriatic and Ionian Region (EUSAIR).

Despite its limited budget, the future Programme can play a significant role in supporting these strategies implementation.

Out of these, **the Common Maritime Agenda** is the most important reference document for the (Interreg VI-B) NEXT BSB Programme, and it is the first of its kind concerning the Black Sea area.

⁴² Joint Staff Working Document – recovery, resilience and reform: post 2020 Eastern Partnership priorities. https://eeas.europa.eu/headquarters/headquarters-homepage_en/101173/Joint%20Staff%20Working%20Document%20-%20Recovery,%20resilience%20and%20reform:%20post%202020%20Eastern%20Partnership%20priorities

⁴³ https://ec.europa.eu/neighbourhood-enlargement/funding-and-technical-assistance/neighbourhood-development-and-international-cooperation-instrument-global-europe-ndici-global-europe_en

Its adoption represents a significant step towards an enhanced regional cooperation in the Black Sea and the countries have been repeatedly encouraged to take into account the priorities of the CMA for their transnational, cross-border and national programmes.

The CMA was endorsed, in May 2019, by ministers of the six coastal countries: Bulgaria, Georgia, Romania, the Russian Federation, Türkiye and Ukraine, and also by the Republic of Moldova. Its adoption is an important milestone in implementing the BSS initiative and it resulted from a process initiated and backed by the European Commission.

With the adoption of the CMA, the Black Sea region joins the rest of the sea basins bordering the EU in setting a basin-wide initiative for more and more sustainable economic growth.

CMA is a valuable tool for the participating countries, the European Commission and other international donors to align available funding with the priority areas identified by the participating countries. It contains concrete priorities and actions for the development of, inter alia, a sustainable blue economy in the Black Sea region.

The CMA, which covers 97% of the territory of the programme, is of particular importance for the (Interreg VI-B) NEXT BSB Programme as it provides a relevant framework for the support of the blue economy sector as a whole, and the various economic activities it encompasses, towards a sustainable economic development of the region and its coastal regions. The goals identified by the CMA are particularly developed into the priorities and actions of the Interreg NEXT BSB Programme covering sustainability of the marine ecosystem, marine pollution and plastic litter, sustainable fisheries and aquaculture, marine research infrastructures, use of innovative technologies, etc.

The CMA supports the protection and sustainability of the marine ecosystems, by actions such as promoting further research providing new knowledge to mitigate the impacts of global climate change and anthropogenic stressors, encouraging joint projects amongst protected areas and also research and valorisation of biodiversity and natural heritage. Also, the Agenda encourages the production, management and sharing of marine and coastal environmental knowledge for effective environmental monitoring and observation by actions such as encouraging science-based policy making process and marine data collection and sharing through existing databases.

The European Commission together with the Republic of Bulgaria, Georgia, Romania, the Russian Federation, the Republic of Türkiye, Ukraine and the Republic of Moldova launched on the 18 May 2019, in Bucharest, **the Strategic Research and Innovation Agenda (SRIA) for the Black Sea**. It is one of the pillars of the Common Maritime Agenda for the Black Sea.

The SRIA aims to advance a shared vision for a productive, healthy, resilient and sustainable Black Sea by 2030, while considering the special and unique ecosystem characteristics of it.

The SRIA identified four main pillars on which a new set of research and innovation actions can be developed in the Black Sea which were taken into consideration for developing the fields of activity to be financed by the Programme:

- Addressing fundamental Black Sea research challenges - Black Sea Knowledge Bridge;

- Developing products, solutions and clusters underpinning Black Sea Blue Growth - Black Sea Blue Economy;
- Building of critical support systems and innovative Infrastructures - Key Joint Infrastructure and Policy Enablers;
- Education and capacity building - Empowered Citizens and Enhanced Blue Workforce.

On the other hand, the **EU Strategy for the Danube Region** is the largest and most diverse EU macro-regional strategy.

The Black Sea Basin programme area is partially covered by the strategy, namely the eligible regions from Bulgaria, Romania, Ukraine and the Republic of Moldova.

The actions under the programme need to take into account and contribute, where relevant, to the EUSDR objectives and be in line with its Action Plan (in total, 12 priority areas have defined 85 actions in the revised Action Plan of the strategy). This is particularly relevant for issues such as cleaning of the Danube River and its basin, having impact on the pollution of the Black Sea but also on reducing environmental risks and conserving biological diversity.

In order to facilitate the process of embedding of the EUSDR into the relevant EU funding programmes, a shortlist of three strategic topics by each priority area was established.

Some of these activities, especially the ones related to environmental protection have been transposed into fields of action for the (Interreg VI-B) NEXT BSB Programme.

Also, the representatives of the Managing Authority (MA) of the Programme participated to the NGO Forum on 27 November 2020 and to webinars on the embedding process for the EUSDR (EU Strategy for the Danube Region) with the purpose of better coordinating the actions of the Interreg NEXT Black Sea Basin Programme with the strategic objectives of the relevant strategies for the area.

In terms of cooperation during the programming process, representatives of European Commission's DG MARE following the implementation of the CMA, as well as the representatives of the Danube Strategy (Danube Strategy Point) were invited to take part in the Joint Programming Committee meetings.

Whenever possible, the projects will be encouraged to take into consideration the core values of the New European Bauhaus initiative: sustainability (from climate goals, to circularity, zero pollution, and biodiversity), aesthetic (quality of experience and style, beyond functionality), inclusivity (valorising diversity, equality for all, accessibility and affordability), as provided in the EC Communication no. 573(2021)⁴⁴.

⁴⁴ Source: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM%3A2021%3A573%3AFIN&qid=1631781368249>

LESSONS LEARNT

Cross-border cooperation within the Black Sea Basin will continue for the next programming period in 2021-2027, building upon the common experience within the ENI CBC Joint Operational Programme Black Sea Basin 2014-2020 and the ENPI CBC Joint Operational Programme Black Sea Basin 2007-2013.

The Joint Operational Programme Black Sea Basin 2014-2020 is perceived as an important programme in all participating countries for practical reasons as well. While in the Member States the complementarity with other funding is the main feature, in Partner Countries the Programme is essential for development, given the relative lack of other transnational funding opportunities. The small-scale infrastructure component that has been included in 2014-2020 for the first time has increased the interest of programme beneficiaries.

In the 2014-2020 programming period, over 57 projects have been selected for financing with 266 institutions involved as projects partners, out of 548 projects which were submitted for financing in the two calls for proposals. The priorities of the Programme were:

1.1 Jointly promote business and entrepreneurship in tourism and cultural sectors

1.2 Increase cross-border trade opportunities and modernisation in the agricultural and connected sectors

2.1 Improve joint environmental monitoring

2.2 Promote common awareness-raising and joint actions to reduce river and marine litter.

The (Interreg VI-B) NEXT Black Sea Basin Programme will strengthen the existing links between the participating countries and build new ones in the field of research and innovation and environmental protection. The Programme will therefore build upon and deepen the cross-border cooperation in the Black Sea Basin area in a transnational configuration.

Based on the review of lessons learnt from the Joint Operational Programme Black Sea Basin 2014-2020 annual implementation reports and the EC ROM reports for the respective programme, a series of actions given below shall be taken into consideration for 2021-2027 period:

- make the type of activities specific enough to select the best projects that contribute to the programme objectives, in order to be able to assess a real change brought by the projects in the eligible area;
- ensure more coherence between the objectives, results, deliverables and activities, both at programme and project level; increased support for beneficiaries during the call for proposals for a better understanding of what indicators will capture and in the implementation stage for providing meaningful information;
- strengthen the capitalization at programme level; a database for capitalization has been created on the Programme website (<https://blacksea-cbc.net/capitalisation/>) and potential beneficiaries shall be invited to find relevant outputs and results which can be replicated and/or built upon (special attention should be dedicated to the strategies and studies developed in the framework of the previous Programmes);

- shift the focus of communication at Programme level from mobilisation of projects to capitalisation and dissemination of success – good practices, successful stories;
- introduction of simplified cost options in order to reduce administrative burden;
- promote the strategic use of public procurement to support Policy Objectives. Beneficiaries should be encouraged to use more quality-related and lifecycle cost criteria. When feasible, environmental (e.g. green public procurement criteria) and social considerations as well as innovation incentives should be incorporated into public procurement procedures;
- respect of the principles of gender equality and non-discrimination, in accordance with the Charter of Fundamental Rights of the European Union, will be better emphasized during the implementation of projects, through the implementation procedures (e.g. Guidelines for Applicants);
- continuing using the 2014-2020 Programme monitoring system (eMS), renamed Jems (Joint Electronic Monitoring System) for the 2021-2027 programming period, which had a high level of accessibility and user friendliness for the management structures, beneficiaries and potential applicants.

1.3. Justification for the selection of policy objectives and the Interreg-specific objectives, corresponding priorities, specific objectives and the forms of support, addressing, where appropriate, missing links in cross-border infrastructure

Policy Objective 1 (PO1) “A more competitive and smarter Europe by promoting innovative and smart economic transformation and regional ICT connectivity”

Selected specific objective: Developing and enhancing research and innovation capacities and the uptake of advanced technologies

Priority 1: Blue and Smart Region

Justification for selection: Transnational cooperation on innovation and uptake of advanced technologies is important in managing the transition to a more digitalised, greener and more resilient BSB area economy.

In the last years, the BSB countries enjoyed economic growth based on foreign direct investment inflows, credit growth, increases in domestic demand and in the service sector. The sea is an important source of economic activity for the region and the blue economy is strongly dependent on the established maritime sectors, such as transport, shipbuilding, fisheries/ aquaculture and tourism. These sectors continue to grow but still need to be modernised through digitalization, increased environmental sustainability and research and innovation.

The small and medium-sized enterprises’ innovation potential and ability to adapt to fast-changing market conditions makes them an increasingly important source of entrepreneurial dynamism in the BSB area, as well as an important pillar of the blue economy.

A key challenge is that research and innovation activities and technology transfer show still substantial imbalances between the EU Member States and Partner Countries. Activities need to be further strengthened, diversified and adapted in line with new economic and societal challenges.

Increasing the competitiveness and the entrepreneurship spirit of the small and medium-sized enterprises, developing sustainable fisheries and aquaculture, increasing the research and innovation capabilities and digitalization will lead to a competitive, innovative and sustainable blue economy, as called for in the CMA.

Transitioning to a sustainable blue and green economy requires investing in research and innovative technologies. The stakeholders in the region should innovate locally, in order to use the maritime space effectively for all economic activities and to protect the marine life and environment. Without the support of technological advancements and the scientific and professional exchanges with stakeholders in the region, the roadmap to the blue economy cannot be drawn. Therefore, the Programme will finance technological progress in order to efficiently manage the shift towards a smart and sustainable blue economy.

Grants are considered the most suitable form of support, taking into account nature and size of the projects.

Policy Objective 2 (PO2) “A greener, low-carbon transitioning towards a net zero carbon economy and resilient Europe by promoting clean and fair energy transition, green and blue investment, the circular economy, climate change mitigation and adaptation, risk prevention and management, and sustainable urban mobility”

Selected specific objective: Promoting climate change adaptation and disaster risk prevention and resilience, taking into account ecosystem based approaches

Priority 2 Clean and Green Region

Justification for selection: The Black Sea Basin countries have the opportunity to try to tackle the risks of climate change, man provoked and natural disasters, by participating in joint cooperation initiatives, as this type of environmental challenges are better addressed in a transnational context.

Climate change is a global problem which has impact on territories, environment, health and economy and the Black Sea Basin area is certainly affected by. In order to prepare the climate change adaptation of the Black Sea Basin area there is an urgent need for specific actions and also a better risk preparedness and management.

Regarding the coastal sea level risk, the mean rate of sea level rise for the Black Sea has been detected as 3.19 ± 0.81 mm/year. Climate change related transformation and degradations (deforestation, salinization, coastal erosion), together with agricultural issues remain major threats to the biodiversity in the region, as well.

In addition, according to experts, there is a disproportion between water resources and water consumption in the Black Sea Basin area and there is a need for comprehensive consideration of water resources in the system of the water sector, therefore financing activities related to water quality and quantity (including water reuse) and water security should be encouraged, especially because climate change leads to more intense rainstorms, causing major problems like extreme flooding in coastal communities. Development and improvement of mechanisms of monitoring and early warning for natural or/and man-made disasters should represent a key priority of the coming years. The existing

prevention, reduction, adaptation and disaster protection mechanisms in the Black Sea Basin area need improvement in order to be in line with current challenges and fast climate changes. Transnational cooperation offers a clear added value in addressing climate change and adopting risk prevention measures by implementing joint actions and solutions.

Grants are considered the most suitable form of support, taking into account nature and size of the projects.

Policy Objective 2 (PO2) “A greener, low-carbon transitioning towards a net zero carbon economy and resilient Europe by promoting clean and fair energy transition, green and blue investment, the circular economy, climate change mitigation and adaptation, risk prevention and management, and sustainable urban mobility”

Selected specific objective: Enhancing protection and preservation of nature, biodiversity and green infrastructure, including in urban areas, and reducing all forms of pollution

Priority 2 Green and Clean Region

Justification for selection: Environmental protection is a pressing issue for the Black Sea Basin region. The natural heritage and biodiversity in the Black Sea Basin area is very rich. That is due to the large diversity of landscapes such as: plains, forest mountains, lakes, rivers, coasts and sea.

However, despite the fact that the Black Sea ecosystems are known to be rich and diverse, the knowledge regarding these ecosystems is by far limited compared to other seas.

The surface of the protected areas is still significantly small in the Black Sea Basin area and most of the existing protected areas are terrestrial, while there are fewer marine protected areas. Concerning pollution, land-based sources are the biggest polluters and account for more than 70% of all pollution in the Black Sea area.

Moreover, implementation of measures dedicated to reduction of all forms of pollution and protection of the biodiversity will improve the protection of nature for the benefit of people and of the economy.

Investments in green infrastructure/ nature-based solutions are a pre-requisite for creating better living conditions for the people in the border area and favouring a sustainable economic development. These investments should be pursued building on lessons learned also in other contexts since, in some specific cases, green infrastructure can have mixed effects: what is good for one environmental dimension may not be positive for another. Lessons learned in and best practice from i.a. LIFE⁴⁵, UIA⁴⁶ and Horizon projects should be taken into account.

Raising awareness of the local stakeholders on the importance of environmental protection and on the benefits these actions have on their direct living conditions could increase the overall positive

⁴⁵ E.g. LIFE VEG-GAP on green infrastructure in relation to ozone and Particulate Matter in urban areas and to heat island effect: <https://www.lifeveggap.eu> (e.g. vegetation can increase summer smog due to biogenic ozone precursors)

⁴⁶ E.g. UIA CLAIRO - CLear AIR and Climate Adaptation: <https://uia-initiative.eu/en/uia-cities/ostrava>

impact of funding. Special attention will be given to education and access to information in order to raise awareness and foster participation in environment and climate issues.

Grants are considered the most suitable form of support, taking into account nature and size of the projects.

2. Priorities

2.1. Blue and Smart Region

2.1.1. Developing and enhancing research and innovation capacities and the uptake of advanced technologies

2.1.2. Related types of action, and their expected contribution to those specific objectives and to macro-regional strategies and sea-basis strategies, where appropriate

Research and innovation are key elements of smart economic growth and sustainable development and has an impact both on companies and citizens' life through increased productivity, better quality goods produced and exported, higher revenues and incomes.

Innovation can be fostered through different mechanisms and can take place in many institutional arrangements (private, public, public-private), following different paths, such as scientific research, or applicative research and innovation (connecting the scientific research and the productive sector).

Therefore, universities and research institutes, together with the large private companies located in the Black Sea Basin countries, act as sources of qualified human capital willing to engage in innovative activities. Several networks for researchers were created in the area in the last years, such as the International Centre for Black Sea Studies (ICBSS), Black Sea Universities Network, which already have the capacity to implement research projects. Enhancing research and innovation capacities in the Black Sea Basin area should be done according to the current needs and lessons learnt from the past and should lead to strengthening the existing cooperation networks.

The Black Sea Basin area has a rich scientific potential although it faces difficulties such as researchers' migration, rather low research and development expenditure. Enhancing research and innovation capacities in the Black Sea Basin area should lead also to strengthening the existing cooperation networks and uptake of research results obtained in the projects already implemented in this field in the framework of ENPI/ENI Joint Operational Programmes Black Sea Basin.

Developing and enhancing research and innovation capacities and the uptake of advanced technologies are in line with the objectives of the blue economy.

Blue economy is the catalyst element of all the activities financed under this priority.

The blue economy in the Sea Basin is strongly dependent on the established maritime sectors, such as transport, shipbuilding, fisheries/ aquaculture and tourism. These sectors continue to grow but still need to be modernised by establishing a sustainable technical capacity through digitalization, increased environmental sustainability and research and innovation.

The Black Sea is a sea basin with potential, but also challenges with regard to sustainable use of its marine resources. The marine aquaculture has been one of the fastest growing activities in the last years and is considered as having a great future potential for implementing joint solutions for further development.

Using the latest technological developments, including Artificial Intelligence, may become a key driver for economic growth through the digitisation of industry and for society as a whole.

Concretely, the Programme will finance the following fields of action:

1. Use of innovative technological developments, including enhancement and application of Artificial Intelligence technologies, in support of the blue economy.

Examples of types of actions (indicative list):

Development and implementation of autonomous marine research platforms (unmanned surface vehicles, aquatic drones, remote-operated vehicles, etc) with Artificial Intelligence endowment;

Setting up or supporting sustainable transnational network structures and platforms for sharing exchange of good practices and knowledge with regards to the use of innovative technological developments;

Contributing to elaboration and implementation of joint solutions for the development of Smart research centers, Smart Villages and Smart Cities;

Building up capacities in the development, provision and diffusion of advanced technologies, including advanced digital technologies, in the support of blue economy;

Joint solutions for improving the tools/platforms/databases already developed under previous BSB projects, with the support of advanced technologies.

2. Development of research on integrated coastal and marine management including the interaction between land-based and sea-based activities and their impacts on coastal zones.

Examples of types of actions (indicative list):

Improving linkages among the Black Sea Basin regions in terms of research on integrated coastal and marine management;

Supporting the development of new or pilot actions for implementing existing integrated coastal and marine management technics, methods, etc.

3. Use of innovative technologies for sustainable fisheries and eco-friendly aquaculture.

Examples of types of actions (indicative list):

Joint IT monitoring solutions for small-scale fisheries;

Setting up- a web-portal to provide information about sustainable aquaculture and fishery innovations and technology.

The CMA and the SRIA are the main initiatives which promote blue growth and economic prosperity of the Black Sea region.

The CMA supports the sustainable fisheries and aquaculture in the Black Sea and observes that enhanced multilateral cooperation among the Black Sea states is an important element of the new dynamics, which promotes sustainable and rational exploitation of living marine resources and the sustainable development of aquaculture. The implementation of regional joint actions will bring the

added value needed to promote advancements on fisheries and aquaculture in the Black Sea, to maximize the economic benefits and to ensure the sustainable development of the sector and coastal communities.

Also, the CMA mentions that: understanding the Black Sea and its fragile ecosystems requires robust data collection and continuous monitoring and observation, ideally based on uniform standards. State-of-the-art research infrastructures are becoming more complex and more costly. No single country has enough resources to support all the research infrastructures it needs.

In addition, the (Interreg VI-B) NEXT BSB Programme aligns its actions with the SRIA which guides stakeholders from academia, funding agencies, industry, policy and society to promote blue growth and economic prosperity of the Black Sea region and to build critical support systems and innovative research infrastructure.

Close articulation between (Interreg VI-B) NEXT BSB Programme and Coordinated Plan on Artificial Intelligence (COM(2018) 795 final) is needed in order to maximise the impact of investments and to encourage synergies and cooperation across the Black Sea Basin in this field.

In order to determine whether the (Interreg VI-B) NEXT BSB Programme can have significant environmental effects, in accordance with Directive 2001/42/EC on the assessment of the effects of certain plans and programmes on the environment (SEA Directive), a screening procedure was initiated, in order to reach the final conclusion whether a SEA is required or not.

The proposed fields of action have been assessed as likely to bring real-life contribution to the efforts of creating better living conditions across the Black Sea region, having potentially indirect positive impact on the environment.

Moreover, during the screening procedure, the proposed fields of action have been assessed as compatible with the Do Not Significant Harm the environment (DNSH) principle since, due to their nature (mostly soft types of actions), territorial coverage and budgets are not expected to have any significant negative environmental impact on any of the environmental objectives enclosed within Article 9 of the Taxonomy Regulation⁴⁷.

2.1.3. Indicators

Table 2: Output indicators

Priority	Specific objective	ID	Indicator	Measurement unit	Milestone (2024)	Final target (2029)
1 Blue and	SO1 Developing and enhancing	RCO 07	Research organisations participating in joint	Research institutions	0	46

⁴⁷ The 'Taxonomy Regulation' refers to Regulation (EU) 2020/852 on the establishment of a framework to facilitate sustainable investment, by setting out a classification system (or 'taxonomy') for environmentally sustainable economic activities

Smart Region	research and innovation capacities and the uptake of advanced technologies		research projects			
		RCO116	Jointly developed solutions	Solutions	0	11
		RCO115	Public events across borders jointly organised	Events	0	56
		RCO84	Pilot actions developed jointly and implemented in projects	Pilot actions	0	11
		RCO87	Organisations cooperating across borders	Organisations	0	69

Table 3: Result indicators

Priority	Specific objective	ID	Indicator	Measurement unit	Baseline	Reference year	Final target (2029)	Source of data	Comments
1 Blue and Smart Region	SO1 Developing and enhancing research and innovation capacities and the uptake of advanced technologies	RCR 84	Organisations cooperating across borders after project completion	Organisations	0	2021	59	Jems	
		RCR 104	Solutions taken up or up-scaled by organisations	Solutions	0	2021	9	Jems	

2.1.4. Main target groups

Target groups can be both individuals and organisations that will be involved or positively affected by the actions.

Target groups the programme intends to reach are:

- National, regional or local public authorities,
- Higher education and research institutions,
- Schools/education and training centres,
- National, regional or local development agencies,
- NGOs and citizen`s associations,
- Business support organization, including chambers of commerce, networks and clusters
- General public / citizens
- Other public organisations

2.1.5. Indication of the specific territories targeted, including the planned use of ITI, CLLD or other territorial tools

Given the objectives, transnational context and geographical scope, (Interreg VI-B) NEXT Black Sea Basin Programme targets all the regions of the programme territory, with no particular focus on specific territories. As a result, the programme does not plan to use specific territorial tools such as community-led local development or integrated territorial investments.

2.1.6. Planned use of financial instruments

(Interreg VI-B) NEXT Black Sea Basin Programme does not plan to use financial instruments.

2.1.7. Indicative breakdown of the EU programme resources by type of intervention

Table 4: Dimension 1 – intervention field

Priority no	Fund	Specific objective	Code	Amount (EUR)
1 Blue and Smart Region	Interreg	SO1 Developing and enhancing research and innovation capacities and the uptake of advanced technologies	171 Enhancing cooperation with partners both within and outside the Member State	1,971,140
			012 Research and innovation activities in public research centres, higher education and centres of competence including networking (industrial research, experimental development, feasibility studies)	8,870,131
			029 Research and innovation processes, technology transfer and cooperation between enterprises, research centres and universities, focusing on the low carbon economy, resilience and adaptation to climate change	8,870,130

Table 5: Dimension 2 – form of financing

Priority no	Fund	Specific objective	Code	Amount (EUR)
1 Blue and Smart Region	Interreg	SO1 Developing and enhancing research and innovation capacities and the uptake of advanced technologies	01 Grant	19,711,401

Table 6: Dimension 3 – territorial delivery mechanism and territorial focus

Priority No	Fund	Specific objective	Code	Amount (EUR)
1 Blue and Smart Region	Interreg	SO1 Developing and enhancing research and innovation capacities and the uptake of advanced technologies	33 No territorial targeting	19,711,401

2.2. Clean and Green Region

2.2.1. Promoting climate change adaptation, and disaster risk prevention, resilience, taking into account ecosystem based approaches

2.2.2. Related types of action, and their expected contribution to those specific objectives and to macro-regional strategies and sea-basis strategies, where appropriate

Climate change is affecting the Black Sea Basin region, exposing it to increased hazards and risks. The region is particularly vulnerable to: erosion (in particular coastal), landslides, sea level rise, flooding, storms, heatwaves, new types of plant diseases and pests/extreme temperature related higher proliferation of pests and droughts. Exploring the capabilities of new technologies in the environmental sector, like artificial intelligence, data science and small sensors, can enable real-time geospatial data collection and make it more accessible, thus leading to considerable results in preventing disasters and to a more efficient resource management. The lack of awareness and adequate knowledge of the population regarding the environmental threats, together with insufficient waste and wastewater management infrastructure leads to landfills and uncontrolled waste dump, as well as meaningful impacts on water quality; therefore, there is a strong necessity for joint actions in this field.

Now it is time to allocate financial resources to measures aimed at increasing the readiness and adaptability of the society regarding environmental and climate change related hazards. Building on this reality and the objectives under the Green Deal and related policy initiatives, the (Interreg VI-B) NEXT Black Sea Basin Programme aligns its funds at ensuring that people and economies are safeguarded from climate-related disasters and the ecosystem is resilient to future climate risks. The Programme shapes the sustainability agenda and is instrumental to projects alleviating impacts due to climate extremes and developing smart monitoring, planning and management of climate change risks.

Concretely, the Programme will finance the following fields of action:

1. Promotion of innovation for improved tools for smart observing, monitoring and accurate environmental forecasting.

Examples of types of actions (indicative list):

Setting up focal points, joint procedures and tools for registering and transmitting harmonized regional environmental data in the Black Sea Basin;

Develop new and/or improve and/or harmonise the existing common data collection, monitoring and modelling systems regarding environmental forecasting across Black Sea Basin, building on existing knowledge;

Joint development of innovative tools, interoperable databases concerning environmental forecasting.

2. Measures to prevent and mitigate the impacts of climate change on the Black Sea region, including on water quality and quantity.

Examples of types of actions (indicative list):

Sharing of experience and testing in the Black Sea Basin area good practice climate-adaptation solutions applied at EU level;

Joint pilot actions for increasing awareness and information of local and regional policy makers about the implications of climate change, in order to foster a better understanding and integration of climate change concerns into policy design and implementation;

Joint pilot actions for increasing the capacity of local and /or regional authorities to enforce and apply relevant legislation with the view to prevent and timely mitigate possible negative impacts on water quality in the BSB region;

Joint pilot actions for integrating climate change aspects into water management strategies on local, regional and transnational level (considering e.g. water quality, flooding, rainwater management and water retention, water reuse opportunities, water scarcity, drinking water supply including smart water pricing, ground water quality and quantity, forecasting).

3. Addressing environmental hazards: coastal erosion, landslides, sea level rise, extreme events, non-indigenous species (NIS), invasive alien species (IAS), flooding, and drought in connection with climate change.

Examples of types of actions (indicative list):

Joint pilot projects (including small-scale green infrastructure and nature-based solutions) addressing coastal erosion, flooding, droughts, wildfires, landslides;

Developing joint solutions and pilot actions for different types of environmental hazards in affected and exposed regions in the Black Sea area.

4. Development and improvement of mechanisms of monitoring and early warning for natural or/and man-made disasters.

Examples of types of actions (indicative list):

Small-scale investments in mobile water quality monitoring units in the proximity of the previously identified hotspots with the purpose of early warning and immediate remedial action;

Development of joint innovative applications for general public for early warning regarding natural or/and man-made disasters;

Joint pilot actions for improving the coordination among relevant cross-border stakeholders to manage natural or/and man-made disasters (e.g. by harmonizing and sharing data, forecasting and early warning systems, modelling, climate proofing).

5. Development and implementation of green recovery actions, contributing to climate change adaptation in the Black Sea Basin area building on lessons learnt and best practices.

Examples of types of actions (indicative list):

Joint pilot actions addressing the deforestation such as tree planting;

Joint pilot actions for restoration of green spaces in urban and coastal areas, in order to address climate change;

Actions for incorporating green recovery into long-term local and regional government strategies;

Joint pilot actions regarding regenerative agriculture and permaculture to address climate change.

The actions will contribute to the objectives of the Common Maritime Agenda (CMA) for the Black Sea, which supports the protection and sustainability of the marine ecosystems, by actions such as promoting further research providing new knowledge to mitigate the impacts of global climate change and anthropogenic stressors, encouraging joint projects amongst protected areas and also research and valorisation of biodiversity and natural heritage. Also, the CMA encourages the production, management and sharing of marine and coastal environmental knowledge for effective environmental monitoring and observation by actions such as encouraging science-based policy making process and marine data collection and sharing through existing databases.

Besides, two out of the five strategic objectives of the EU Macro-Regional Strategy for the Danube Region (EUSDR), as included in the revised Action Plan, are of particular importance for the Black Sea region, given that the two regions partially coincide: counteracting climate change and stimulating sustainable development. The actions are likely to contribute to these strategic objectives.

Moreover, potential cooperation actions might create synergies with Priority Area 5 Environmental risks of EUSDR.

In order to determine whether the (Interreg VI-B) NEXT BSB Programme can have significant environmental effects, in accordance with Directive 2001/42/EC on the assessment of the effects of certain plans and programmes on the environment (SEA Directive), a screening procedure was initiated, in order to reach the final conclusion whether a SEA is required or not.

The proposed fields of action have been assessed as likely to have rather indirect impact on the environment, while the elaborated solutions are expected to improve life conditions and to have positive impact on the environment.

Moreover, during the screening procedure, the proposed fields of action have been assessed as compatible with the Do Not Significant Harm the environment (DNSH) principle since, due to their nature (mostly soft types of actions), territorial coverage and budgets are not expected to have any significant negative environmental impact on any of the environmental objectives enclosed within Article 9 of the Taxonomy Regulation⁴⁸.

2.2.3. Indicators

Table 2: Output indicators

Priority	Specific objective	ID [5]	Indicator	Measurement unit [255]	Milestone (2024) [200]	Final target (2029) [200]
2 Clean and Green Region	SO4 Promoting climate change adaptation, and disaster risk prevention, resilience, taking into account ecosystem-based approaches	RCO 84	Pilot actions developed jointly and implemented in projects	Pilot actions	0	11
		RCO 116	Jointly developed solutions	Solutions	0	11
		RCO115	Public events across borders jointly organised	Events	0	56
		RCO87	Organisations cooperating	Organisations	0	69

⁴⁸ The 'Taxonomy Regulation' refers to Regulation (EU) 2020/852 on the establishment of a framework to facilitate sustainable investment, by setting out a classification system (or 'taxonomy') for environmentally sustainable economic activities

			across borders			
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Table 3: Result indicators

Priority	Specific objective	ID	Indicator	Measurement unit	Baseline	Reference year	Final target (2029)	Source of data	Comments
2 Clean and Green Region	SO4 Promoting climate change adaptation, and disaster risk prevention, resilience, taking into account ecosystem-based approaches	RCR 84	Organisations cooperating across borders after project completion	Organizations	0	2021	59	Jems	
		RCR 104	Solutions taken up or up-scaled by organisations	Solutions	0	2021	9	Jems	

2.2.4. Main target groups

Target groups can be both individuals and organisations that will be involved or positively affected by the actions.

Target groups the programme intends to reach are:

- National, regional or local public authorities,
- Higher education and research institutions,
- Schools/education and training centres,
- National, regional or local development agencies,
- NGOs and citizens' associations,
- Business support organization, including chambers of commerce, networks and clusters
- General public / citizens
- Other public organisations

2.2.5. Indication of the specific territories targeted, including the planned use of ITI, CLLD or other territorial tools

Given the objectives, transnational context and geographical scope, Interreg NEXT Black Sea Basin Programme targets all the regions of the programme territory, with no particular focus on specific territories. As a result, the programme does not plan to use specific territorial tools such as community-led local development or integrated territorial investments.

2.2.6. Planned use of financial instruments

(Interreg VI-B) NEXT Black Sea Basin Programme does not plan to use financial instruments.

2.2.7. Indicative breakdown of the EU programme resources by type of intervention

Table 4: Dimension 1 – intervention field

Priority no	Fund	Specific objective	Code	Amount (EUR)
2 Clean and Green Region	Interreg	SO4 Promoting climate change adaptation, and disaster risk prevention, resilience, taking into account ecosystem-based approaches	171 Enhancing cooperation with partners both within and outside the Member State	1,971,140
			058 Adaptation to climate change measures and prevention and management of climate related risks: floods and landslides (including awareness raising, civil protection and disaster management systems, infrastructures and ecosystem based approaches)	4,435,066
			060 Adaptation to climate change measures and prevention and management of climate related risks: others, e.g. storms and drought (including awareness raising, civil protection and disaster management systems, infrastructures and ecosystem based approaches)	4,435,065
			061 Risk prevention and management of	4,435,065

			non-climate related natural risks (for example earthquakes) and risks linked to human activities (for example technological accidents), including awareness raising, civil protection and disaster management systems, infrastructures and ecosystem based approaches 064 Water management and water resource conservation (including river basin management, specific climate change adaptation measures, reuse, leakage reduction)	4,435,065
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Table 5: Dimension 2 – form of financing

Priority no	Fund	Specific objective	Code	Amount (EUR)
2 Clean and Green Region	Interreg	SO4 Promoting climate change adaptation, and disaster risk prevention, resilience, taking into account ecosystem-based approaches	01 Grant	19,711,401

Table 6: Dimension 3 – territorial delivery mechanism and territorial focus

Priority No	Fund	Specific objective	Code	Amount (EUR)
2 Clean and Green Region	Interreg	SO4 Promoting climate change adaptation, and disaster risk prevention, resilience, taking	33 No territorial targeting	19,711,401

		into account ecosystem-based approaches		
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2.3. Clean and Green Region

2.3.1. Enhancing protection and preservation of nature, biodiversity, and green infrastructure, including in urban areas, and reducing all forms of pollution.

2.3.2. Related types of action, and their expected contribution to those specific objectives and to macro-regional strategies and sea-basis strategies, where appropriate

To address the environmental degradation of the BSB area, the Programme also awards appropriate attention to environmental conservation, protection and restoration of the ecosystem and biodiversity. For decades, average consumption materials, municipal sewages, agricultural and industrial waste and contaminants substances have been discharged in the Black Sea.

Due to the insufficient level of environmental awareness of the people living in the Programme area, actions aimed at increasing the environmental awareness and level of information about the common natural heritage, protected areas and their unique value are necessary to be implemented, such as educational projects and information campaigns organised by NGOs and local authorities.

Furthermore, the surface of the protected areas is significantly small compared with other regions, most of the existing protected areas are terrestrial, while there are fewer marine protected areas and many protected areas still lack effective management plans and infrastructure, therefore, transnational cooperation in those areas continues to be of crucial importance, considering the rich and vulnerable environment of the BSB region.

The concept of “green infrastructure” is a relatively new one and special attention will be paid to promoting it and to developing pilot solutions that can be replicated later on. Based on the EEA, Green infrastructure is defined as a “strategically planned network of natural and semi-natural areas with other environmental features designed and managed to deliver a wide range of ecosystem services such as water purification, air quality, space for recreation and climate mitigation and adaptation. This network of green (land) and blue (water) spaces can improve environmental conditions and therefore citizens' health and quality of life. It also supports a green economy, creates job opportunities and enhances biodiversity.”

The most common structures which may be targeted are: parks, tree-lined avenues, green roofs, open spaces, agricultural land and woodland inside towns, biodiversity-rich parks, river restoration including floodplains, protective forests in the mountain areas, etc. These actions should be carefully planned building on lessons learned also in other contexts since, in some specific cases, green infrastructure can have mixed effects: what is good for one environmental dimension may not be positive for another. Lessons learned in and best practice from i.a. LIFE⁴⁹, UIA⁵⁰ and Horizon projects should be taken into account.

⁴⁹ E.g. LIFE VEG-GAP on green infrastructure in relation to ozone and Particulate Matter in urban areas and to heat island effect: <https://www.lifeveggap.eu>

⁵⁰ E.g. UIA CLAIRO - CLear AIR and Climate Adaptation: <https://uia-initiative.eu/en/uia-cities/ostrava>

Implementing the three R's pilot actions (reduce, reuse, recycle) - in order to reduce the quantities of marine and river litter should also contribute to the preservation of the unique and precious ecosystem of the BSB area. Marine litter has become a global challenge and derives from land and sea based human activities, mainly caused by poor waste management and infrastructures or people's behaviour. Thus, prevention at source through the creation of proper waste collection and treatment together with improved human behaviour are key to reduce litter inputs, to protect our terrestrial and water environment and to secure recovery of our resources after disposal⁵¹.

Transnational actions will help reducing disparities between the EU Member States and the Partner Countries, in order to ensure a similar level of protection and preservation of the environment in the BSB area.

Concretely, the Programme will finance the following fields of action:

1. Protection and promotion of biodiversity and natural heritage.

Examples of types of actions (indicative list):

Development of joint IT tools (e.g. digital maps) to promote BSB ecosystems, contribute to develop and protect them;

Developing and implementing joint pilot actions for protection of BSB biodiversity and natural heritage;

Strengthening capacities for the protection, conservation of biodiversity and restoration of existing ecosystems;

Joint research in marine protected areas and support to definition and designation of new marine protected areas.

2. Actions on environment protection at all educational levels.

Examples of types of actions (indicative list):

Joint awareness raising campaigns at all educational levels for protecting the lakes, rivers and sea from micro plastics;

Actions aimed at strengthening the capacities of local/regional administration to jointly educate citizens and raise awareness for an environmental friendly behaviour;

Joint awareness-raising actions on biodiversity and environmental protection targeting the youth.

3. Investing in green infrastructure to mitigate air, water, noise, soil pollution and degradation.

Examples of types of actions (indicative list):

Small-scale investments in green infrastructure (eg. green streets, green roofs, permeable/porous paving, urban forests, natural cooling of buildings, ecosystem corridors, etc.);

⁵¹ Source: <https://www.plasticseurope.org/application/files/4315/1310/4805/plastic-the-fact-2016.pdf>

Implementing joint pilot actions with the purpose of creating the coastal Green Belt of the Black Sea.

4. Actions for pollutants reduction, as well as marine and river litter reduction, collecting and recycling.

Examples of types of actions (indicative list):

Small-scale infrastructures (such as natural bio filters) to fight water and soil pollution;

Innovative technical solutions for the restoration of degraded ecosystems (e.g. rivers, high-diversity landscapes, forests);

Implementing transnational pilot actions for reducing marine and river litter pollutants.

All the proposed fields of action contribute to the goals of the CMA, which supports reducing marine litter production and marine pollution, by actions such as raising awareness among public authorities and citizens on marine environmental issues and the impact of human activities on marine ecosystem, encouraging joint projects on marine environmental protection at all educational levels and on the prevention and response to pollution caused by ships and ports, education on marine ecosystem, promoting the practice of marine litter harvesting and recycling, supporting research on the challenges related to eutrophication, invasive species, pollutants and litter. Moreover, the presented potential cooperation actions might create synergies with Priority Area 6 Biodiversity and landscapes, quality of air and soils of EUSDR.

In order to determine whether the Programme can have significant environmental effects, in accordance with Directive 2001/42/EC on the assessment of the effects of certain plans and programmes on the environment (SEA Directive), a screening procedure was initiated, in order to reach the final conclusion whether a SEA is required or not.

The proposed fields of action have been assessed as likely to have positive impact on the environment, due to the characteristics of the Programme, which provides support for such transnational cooperation projects, which intend to bring positive changes, contributing to the improvement of the environmental status and sustainable development, while major infrastructure investments are not going to be supported.

Moreover, during the screening procedure, the proposed fields of action have been assessed as compatible with the Do Not Significant Harm the environment (DNSH) principle since, due to their nature (mostly soft types of actions), territorial coverage and budgets are not expected to have any significant negative environmental impact on any of the environmental objectives enclosed within Article 9 of the Taxonomy Regulation⁵².

⁵² The 'Taxonomy Regulation' refers to Regulation (EU) 2020/852 on the establishment of a framework to facilitate sustainable investment, by setting out a classification system (or 'taxonomy') for environmentally sustainable economic activities

2.3.3. Indicators

Table 2: Output indicators

Priority	Specific objective	ID	Indicator	Measurement unit	Milestone (2024)	Final target (2029)
2 Clean and Green Region	SO7 Enhancing protection and preservation of nature, biodiversity and green infrastructure, including in urban areas, and reducing all forms of pollution	RCO 84	Pilot actions developed jointly and implemented in projects	Pilot actions	0	11
		RCO 115	Public events across borders jointly organised	Events	0	84
		RCO 116	Jointly developed solutions	Solutions	0	11
		RCO87	Organisations cooperating across borders	Organisations	0	69

Table 3: Result indicators

Priority	Specific objective	ID	Indicator	Measurement unit	Baseline	Reference year	Final target (2029)	Source of data	Comments
2 Clean and Green Region	SO7 Enhancing protection and preservation of nature, biodiversity and green infrastructure, including in urban areas, and reducing all forms of pollution	RCR 84	Organisations cooperating across borders after project completion	Organisations	0	2021	59	Jems	
		RCR 104	Solutions taken up or up-scaled by organisations	Solutions	0	2021	9	Jems	

2.3.4. Main target groups

Target groups can be both individuals and organisations that will be involved or positively affected by the actions.

Target groups the programme intends to reach are:

- National, regional or local public authorities,
- Higher education and research institutions,
- Schools/education and training centres,
- National, regional or local development agencies,
- NGOs and citizen`s associations,
- Business support organization, including chambers of commerce, networks and clusters
- General public / citizens
- Other public organisations

2.3.5. Indication of the specific territories targeted, including the planned use of ITI, CLLD or other territorial tools

Given the objectives, transnational context and geographical scope, (Interreg VI-B) NEXT BSB Programme targets all the regions of the programme territory, with no particular focus on specific

territories. As a result, the programme does not plan to use specific territorial tools such as community-led local development or integrated territorial investments.

2.3.6. Planned use of financial instruments

(Interreg VI-B) NEXT Black Sea Basin Programme does not plan to use financial instruments.

2.3.7. Indicative breakdown of the EU programme resources by type of intervention

Table 4: Dimension 1 – intervention field

Priority no	Fund	Specific objective	Code	Amount (EUR)
2 Clean and Green Region	Interreg	SO7 Enhancing protection and preservation of nature, biodiversity and green infrastructure, including in urban areas, and reducing all forms of pollution	171 Enhancing cooperation with partners both within and outside the Member State 079 Nature and biodiversity protection, natural heritage and resources, green and blue infrastructure	1,971,140 17,740,261

Table 5: Dimension 2 – form of financing

Priority no	Fund	Specific objective	Code	Amount (EUR)
2 Clean and Green Region	Interreg	SO7 Enhancing protection and preservation of nature, biodiversity and green infrastructure, including in urban areas, and reducing all forms of pollution	01 Grant	19,711,401

Table 6: Dimension 3 – territorial delivery mechanism and territorial focus

Priority No	Fund	Specific objective	Code	Amount (EUR)
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2 Clean and Green Region	Interreg	SO7 Enhancing protection and preservation of nature, biodiversity and green infrastructure, including in urban areas, and reducing all forms of pollution	33 No territorial targeting	19,711,401
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3. Financing plan

3.1. Financial appropriations by year

Table 7

Fund	2021	2022	2023	2024	2025	2026	2027	Total
ERDF (territorial cooperation goal)								
IPA III CBC ⁵³								
NDICI-CBC ¹								
IPA III ⁵⁴								
NDICI ²								
OCTP ⁵⁵								
Interreg funds ⁵⁶	0	14,115,090	10,711,503	10,879,813	11,062,135	8,886,965	9,392,117	65,047,623
Total	0	14,115,090	10,711,503	10,879,813	11,062,135	8,886,965	9,392,117	65,047,623

⁵³ Interreg A, external cross-border cooperation.

⁵⁴ Interreg B and C.

⁵⁵ Interreg B, C and D.

⁵⁶ ERDF, IPA III, NDICI or OCTP, where as single amount under Interreg B and C.

3.2. Total financial appropriations by fund and national co-financing

Table 8

Policy objective No	Priority	Fund (as applicable)	Basis for calculation EU support (total eligible cost or public contribution)	EU contribution (a)=(a1)+(a2)	Indicative breakdown of the EU contribution		National contribution (b)=(c)+(d)	Indicative breakdown of the national counterpart		Total (e)=(a)+(b)	Co-financing rate (f)=(a)/(e)	Contributions from the third countries (for information)
					without TA pursuant to Article 27(1) (a1)	for TA pursuant to Article 27(1) (a2)		National public (c)	National private (d)			
PO1	Priority 1 Blue and Smart Region	ERDF										
		IPA III CBC ⁵⁷										
		NDICI-CBC ¹										
		IPA III ⁵⁸										
		NDICI ²										
		OCTP ⁵⁹										
		Interreg funds ⁶⁰	Total	21,682,541	19,711,401	1,971,140	2,409,171	219,016	2,190,155	24,091,712	90%	

⁵⁷ Interreg A, external cross-border cooperation.

⁵⁸ Interreg B and C.

⁵⁹ Interreg B, C and D.

⁶⁰ ERDF, IPA III, NDICI or OCTP, where as single amount under Interreg B and C.

Policy objecti ve No	Priority	Fund (as applicable)	Basis for calculation EU support (total eligible cost or public contribution)	EU contribution (a)=(a1)+(a2)	Indicative breakdown of the EU contribution		National contribution (b)=(c)+(d)	Indicative breakdown of the national counterpart		Total (e)=(a)+(b)	Co- financing rate (f)=(a)/(e)	Contributions from the third countries (for information)
					without TA pursuant to Article 27(1) (a1)	for TA pursuant to Article 27(1) (a2)		National public (c)	National private (d)			
PO2	Priority 2 Clean and Green Region	ERDF										
		IPA III CBC										
		NDICI- CBC										
		IPA III										
		NDICI										
		OCTP										
		Interreg funds	Total	43,365,082	39,422,802	3,942,280	4,818,343	438,031	4,380,312	48,183,425	90%	
	Total	All funds										
		ERDF										
		IPA III CBC										
		NDICI- CBC										
		IPA III										
		NDICI										
		OCTP										
		Interreg funds	Total	65,047,623	59,134,203	5,913,420	7,227,514	657,047	6,570,467	72,275,137	90%	
	Total	All funds	Total	65,047,623	59,134,203	5,913,420	7,227,514	657,047	6,570,467	72,275,137	90%	

4. Action taken to involve the relevant programme partners in the preparation of the Interreg programme and the role of those programme partners in the implementation, monitoring and evaluation

Joint Programming Committee

The Programme preparation process started in December 2019 with the nomination by the participating countries of the Joint Programming Committee (JPC) representatives. The 1st JPC meeting took place at the end of January 2020, when the Joint Paper on (Interreg VI-B) NEXT Strategic Programming 2021-2027 was presented and the rules of procedures were approved.

To ensure representativeness at macro-regional level within the JPC, during the 2nd JPC meeting (10 December 2020) it was agreed to invite the following observers to the JPC meetings: by rotation, the presidency representatives of the Common Maritime Agenda (CMA), the representatives at technical level of the EU Strategy for the Danube Region, respectively of the Danube Strategy Point, and DG MARE representatives, while DG REGIO representatives and TESIM experts undertook an advisory capacity.

The JPC members met frequently during the preparation process to discuss and decide on the steps of the programming process. Most of the meetings were organised online due to the COVID-19 pandemic situation.

Representativeness and identification of partners

During the 1st JPC meeting, the approach on identifying and engaging as many programme partners as possible was established. Having in view the large number of participating countries to the programme and the wide range of actors, one suitable option to give the possibility to a high number of partners to express their opinions was to establish national working groups (NWGs) in each participating country, to be consulted during various stages of the programme preparation, without excluding from consultations other partners not initially included in these working groups.

To support the set-up of the NWG in each partner country, the MA, with the support of TESIM experts, organized in spring 2020 a series of events with the National Authority (NA) representatives and other relevant partners. The importance of geographical and representative selection among the local and regional stakeholders was underlined, pursuant to the European Code of Conduct on Partnership. The NAs were guided to identify the members of the NWGs as a mix of umbrella organisations and a sample of entities/experts with good knowledge of the territory and/or the programme, with a special focus on: representatives from regional and local authorities, representatives of the economic and social sectors (chambers of commerce, business associations, trade unions, etc.), environmental partners, relevant bodies representing civil society, research institutions and universities.

Information and consultation

The consultation exercise with programme partners was designed in three rounds, organized by the MA with the close support of TESIM and the NAs, aiming at progressively narrowing the territorial analysis toward the definition on the BSB NEXT strategy:

Round 1: POs and SOs filtering - from territorial analysis to the agreement on the concentration on POs, ISOs and SOs,

Round 2: activities identification - from the selected POs and SOs to the identification of typologies of activities and strategic projects ideas,

Round 3: public endorsement - endorsement of the programme strategy by the vast range of programme partners and by the general public.

Round 1

The eligible area of the (Interreg VI-B) NEXT BSB Programme was analysed based on quantitative and qualitative available data resulting in the territorial analysis of the Programme. The SWOT analysis and the POs were further consulted with a wide range of partners following a two-folded methodology, to identify the SOs and investment priorities most relevant to their own local circumstances:

- Via open online public consultation - from 11 January 2021 to 12 February 2021, an online survey was available on the programme website, www.blacksea-cbc.net, and also on some NAs websites, for Programme partners to rank their preferred choice of POs, based on a mix of questions including quantitative and open-ended qualitative questions. The survey reached out to 340 academic institutions, business support organizations, international / interregional organizations, consultants, enterprises as well as the public, with a balanced distribution among the Programme countries. The most covered types of organizations were public sector organizations followed by civil society organizations. Approximately half of the respondents were from organizations operating at national level, followed by regional level, interregional level, local level and other. The report on the results of the on-line survey was published on the Programme website, to keep the public informed on the results of the on-line consultation process.
- Through partner consultations (on-line events) with participants from all fields covering the POs and from all types of organizations (9 rounds of on-line consultations, in each country, over the period 01.02-12.02.2021, with 576 stakeholders involved). Although the working language of the Programme is English, professional interpretation services were provided upon request during some of the on-line sessions, while in other cases the NA, TESIM or MA representatives ensured communication in the respective national languages. The results of the choices and discussions during the on-line events were sent to the participants to the events in each country, as follow-up to each event. The participation in the Member States events was lower, possibly explained by the

high number of consultation events for the national operational programmes and the recovery and resilience plans.

The conclusions of the consultations were further discussed during the JPC meeting on 25 February 2021. Based on the analysis of the needs and development potential of the area, on the results of consultations, also taking into account the draft regulatory provisions on thematic concentration, the JPC agreed upon the POs and SOs to be funded under the future Programme. The Programme partners were informed on how their proposals were taken into consideration in the dedicated section on the JPC meetings on the Programme website, www.blacksea-cbc.net/jpc-meetings/.

Round 2

The selected POs and SOs were the subject of a second round of consultations over the period March-April 2021 aiming to identify the typology of actions to be supported by the Programme and to collect information on the potential of supporting strategic importance projects in the programme area. The methodology was also two-folded:

- Via open online public consultation - two questionnaires on PO1 and PO2 in the English language were published on the programme website, www.blacksea-cbc.net, and some NAs' websites, from 22 March to 9 April 2021. In addition, to ensure that the questionnaire reached as many partners as possible with expertise in the fields of action consulted, the link was also sent individually to the members of the NWGs in each country and to other programme partners with thematic expertise identified by each NA among public authorities, universities and research centres, economic and social partners and civil society bodies. Furthermore, other relevant umbrella organizations contributed to make the public aware of the ongoing consultation process, such as the CPMR and the CMA during the Steering Group Meeting held on 24 March 2021. The questionnaire was backstopped with extracts from the draft Interreg Regulation, the CPR, Territorial Analysis and the CMA, in order to provide to respondents all the materials to express conscious and informed opinions. The questionnaire on PO1 was responded by 86 persons, and on PO2 by 61 persons, with a smooth geographical distribution. In terms of organisations involved, a good balance was reached between civil society organisation, public sector organisations, business support organisations including chambers (commerce/industry/agriculture/maritime), networks and clusters, academic institutions, and interregional cooperation agencies and organisations.
- Through group interviews (Delphi) - two transnational thematic on-line consultation events, held in English, one for PO2 on 26 April 2021 with 56 programme partners participating, and one for PO1 organized on 28 April 2021 with 52 programme partners participating. The participants covered the programme area and were from among relevant organizations with thematic expertise, covering the local, regional and local level, from among public institutions, academic and research institutions, umbrella organizations, civil society organizations (see the list on www.blacksea-cbc.net)

The conclusions of the second round of consultations were discussed during the 4th JPC on-line meeting, on 27 May 2021, when the types of actions under the selected POs relevant to receive support were agreed.

Round 3

The mature Programme strategy was published on the Programme website for wide public consultations in two rounds, once from 07.09.2021 to 06.10.2021, and then from 21.12.2021 to 31.01.2022. The JPC members supported the consultation process by publishing the news on the website of their institutions and by disseminating the message by any other means available to them. Following the partners' feedback, specific references or suggestions bringing added value to the strategy were included in the Programme.

Strategic Environmental Assessment

For the purposes of SEA, a screening process was carried out by the environmental authorities in all the participating countries on the proposed programme activities and the programme activities were also open for public consultations in this respect. The programme will not have a direct impact on the environment, therefore it was not subject to a full strategic environmental assessment (SEA).

Involvement of partners in Programme implementation, monitoring and evaluation

Like in the programming phase, relevant programme partners shall be involved in the implementation, monitoring and evaluation of the programme to increase transparency in the decision-making process and to enhance ownership of the programme among partners.

The involvement of relevant partners in the Monitoring Committee (MC) is envisaged by taking into account the transnational character and the geographical scope of the Programme. For a balanced yet representative MC structure, the involvement of umbrella organisations in an advisory capacity is sought, e.g. organisations of regional/local authorities, of educational institutions, of civil society. This will ensure that the perspective of the regional and local authorities will be represented throughout the life of the programme. In addition, from a strategic and regional policy level, representatives of the Common Maritime Agenda for the Black Sea (CMA) and the EU Strategy for the Danube Region (EUSDR), the EC (DG MARE) may continue to be involved in the MC. The rules of procedure shall contain provisions to avoid any conflict of interest.

The National Working Groups established during the programming phase could be used during Programme implementation to support the MC members in the execution of MC tasks, including the preparation of calls for proposals as well as the monitoring and evaluation of the programme.

The technical assistance funds of the Programme shall be used, inter alia, to support the strengthening of the institutional capacity of Programme partners, by organizing for example info days, trainings for applicants regarding implementation of projects.

5. Approach to communication and visibility for the Interreg programme (objectives, target audiences, communication channels, including social media outreach, where appropriate, planned budget and relevant indicators for monitoring and evaluation)

The following general **communication objectives** are considered by taking into account the communication needs specific for each stage of Programme life cycle and the communication needs of each target group:

1. To support the successful implementation of the Programme by ensuring an effective communication system.
2. To increase the knowledge of the potential beneficiaries on the financing opportunities offered by the Programme and to facilitate the development of strong transnational partnerships and networks.
3. To support beneficiaries in project implementation in a way that enforces result-orientation and ensures efficiency and to facilitate the capitalization of results for maximizing/multiplying the impact of the Programme.
4. To increase the visibility of the Programme, public awareness on the activities and results and on the positive impact and added value of EU and national financial support for the citizens from Programme area.
5. To ensure transparency in the use of the EU funds.

The Programme identified the following **target groups**: general public, (potential) beneficiaries, governmental/non-governmental actors at national/regional level, umbrella associations, EU institutions, other bodies and donors, national/regional/local media, other Interreg programmes, Programme's management structures, structures of relevant macro-regional and sea-basin strategies.

A mix of **communication channels** is considered, customized to the context of BSB region.

The dedicated **website** www.blacksea-cbc.net represents the main source of information for all target groups. The section dedicated to the Programme is functional since January 2021 and all documents related to the programming process were posted for public consultations in this section. The website is optimized in order to comply with the latest security, compatibility and accessibility requirements. The website will be presented on the single website portals of the MSs.

As **social media** was intensively used for promoting the Programme and project results during the period 2014-2020, the new Programme will continue this approach. **Facebook** is the most common social media platform used during 2014-2020 period and the most popular social media platform in all BSB participating countries, being used to disseminate news and other useful information in an informal language, made attractive to categories of public aged 16+.

Instagram is used for sharing visual content to connect and interact with the followers and users, addressed mostly to younger generations. The use of other social media platforms may be investigated.

Other digital activities shall refer to feeding and using **online information/knowledge management platforms**.

The following **events** will be organised:

- **promotional public events** addressing all target groups;
- **events** to support potential beneficiaries;
- **thematic seminars and trainings** to support beneficiaries;

There is also envisaged participation in events organised by other actors, at regional or EU level.

There are also going to be used **publications, audio-visual productions, promotional materials** and also an **online promotion of projects campaign**.

National/regional/local media may be used to reach a wide audience as well.

The Programme will appoint a **communication officer** to be in charge of the implementation of communication and visibility actions.

The total **estimated budget** foreseen for communication and visibility purposes will be at least 0.3% of the Programme's total financial allocation, to be further defined in Annual Communication Plans (ACPs).

The communication and information measures will be subject to evaluations as part of Programme evaluations, based on the following main relevant **indicators**:

- Events:
 - output indicators: number of events organised, number of attendees;
 - result indicator: level of satisfaction of participants expressed via evaluations following the events (% satisfied/ very satisfied).
 - Website and social media:
 - output indicators: website's number of sessions, impact on social media accounts;
 - result indicators: number of new visitors on the programme website (%), engagement rate of posts on Facebook (%), number of hashtag mentions on Instagram (%).
 - Publications
-

- output indicator: number of publications distributed.
- National/regional/local media
 - output indicator: number of press releases.

Target values for output indicators will be set annually in ACP. It is estimated that the final targets to be achieved in 2029 for the result indicators will be 10% higher than the baseline values calculated based on previous programming period experience. Sources of data for monitoring and evaluation will be surveys, internal databases from MA and JS, Google Analytics and specific tracking tools for social media platforms.

Each ACP will evaluate the implementation of the previous Plan, involving a review of actual, compared to planned, outputs, an update on indicators compared to the target indicators, an assessment of progress toward achieving the communication objectives.

With reference to projects considered as of strategic importance, the communication activities will need to reflect the results and added value which these projects will bring to the cross-border area.

6. Indication of support to small-scale projects, including small projects within small project funds

Following the 4th JPC meeting on 27 May 2021, the participating countries decided that the programme shall support projects of limited financial volume directly within the programme, pursuant to art. 24.1(a) of Interreg Regulation (EU) 2021/1059.

The legal framework allows for various terms to be used for this type of projects, such as small-scale projects, projects of limited financial value or small projects, nevertheless within the (Interreg VI-B) NEXT BSB Programme they shall be named small-scale projects.

On the other hand, the regulatory framework does not include a definition of the small-scale projects, therefore the concept of small-scale projects within the (Interreg VI-B) NEXT BSB Programme can be defined as projects which reinforce transnational relationships based on mutual trust at local and regional level in the Black Sea Basin, with a clear and undeniable added value for citizens and for the area in which they are implemented.

Small-scale projects within the (Interreg VI-B) NEXT BSB Programme will generally have the following characteristics:

- **Indicative types of activities:** indicative activities include transnational and cross-border cooperation activities, including people-to-people activities, capitalizing to the largest extent possible upon previous Programme results, testing concrete and innovative solutions through pilot actions on a small scale, exchange of best practices and transfer of know how activities.
 - **Indicative project size:** min. 250,000 euro – max. 500,000 euro in EU funds

The project size takes into account the lessons learnt from the previous Black Sea Basin programmes when projects of limited financial value had been financed. Initially, the budget for these projects ranged between 50,000 Euro and 250,000 Euro, however the reduced interest compared to regular projects resulted in increasing the threshold up to 300,000 Euro in order to extend the attractiveness for the potential applicants. 12 projects of limited financial value have been financed with an average budget per project of 250,000 EUR. The average project size in regular projects amounted to around 700,000 euros. The need to have a slightly larger partnership due to the Programme area size, at the same time encouraging and allowing for the participation of smaller local organizations are also considered. Nevertheless, the proposed size may encourage also activities beyond meetings and exchanges, as testing concrete and innovative solutions through pilot actions or capitalization upon previous Programme results.
 - **Target groups:** mainly regional and local public authorities, NGOs, local organizations and youth groups, higher education and research institutions, schools/education and training centres, business support organisations, including chambers of commerce, networks, other regional or local entities, general public/citizens.
 - **Thematic scope:** across all Programme priorities and Specific Objectives
-

The indicative Programme budget allocation for small-scale projects decided upon by the JPC members shall be maximum 10% of the budget for projects.

Overall, the small-scale projects shall aim to strengthen the people-to-people cooperation in the Programme area in the environmental and research fields through balanced partnerships implementing activities to address the relevant Programme area challenges using a small budget. Small-scale projects can also develop practical and durable solutions to challenges in the region, but these projects will mainly build trust for further cooperation initiatives, initiating and keeping networks, and, as such, bring the Programme closer to the citizens.

Support to small projects under Small Project Funds as defined in art. 25 of Interreg Regulation (EU) 2021/1059 is not planned by the (Interreg VI-B) NEXT BSB Programme. Such instruments could be highly challenging in view of the transnational cooperation character, the nature of supported activities and the wide geographical scale of project partnerships funded by the Programme.

7. Implementing provisions

7.1. Programme authorities

Table 10

Programme authorities	Name of the institution	Contact name	E-mail
Managing Authority	Ministry of Development, Public Works and Administration, Romania	Ms. Iulia HERTZOG, Head of the Managing Authority	iulia.hertzog@mdlpa.ro
National Authority (for programmes with participating third or partner countries, if appropriate)			
	Ministry of Regional Development and Public Works, Bulgaria	Mrs. Desislava GEORGIEVA	D.G.Georgieva@mrrb.government.bg
	Ministry of Foreign Affairs of Georgia	Mr. David BUJIASHVILI	dbujiashvili@mfa.gov.ge
	Ministry of Development and Investments, Managing Authority of ETC Programmes, Greece	Ms. Angeliki BOUZIANI	abouziani@mou.gr
	Ministry of Finance of the Republic of Moldova	Ms. Iulia CIUMAC	iulia.ciumac@mf.gov.md
	Ministry of Development, Public Works and Administration, Romania	Ms. Maria Magdalena VOINEA	magdalena.voinea@mdlpa.ro
	Ministry of Foreign Affairs,	Ms. F. Şebnem SÖZER	cbcbsb@ab.gov.tr

	Directorate for EU Affairs, Türkiye		
	Secretariat of Cabinet of Ministers of Ukraine with involvement of other government authority Ukraine	Mr. Anatolii KUTSEVOL	kutsevol@kmu.gov.ua
Audit authority	Audit Authority within the Romanian Court of Accounts,	Mrs Daniela DUMITRACHE	daniela.dumitrache@rcc.ro
Group of auditors representatives			
	Audit of EU Funds Executive Agency, Bulgaria	Ms. Ludmila RANGELOVA	l.rangelova@minfin.bg
	State Audit Office of Georgia	Mr. Vakhtang PERTAIA	VPertaia@sao.ge
	Directorate General of Audits of Co-financed Programmes EDEL (Greek Audit Authority)	Ms. Maria VLASTARI	m.vlastari@edel.gr
	Court of Accounts, Republic of Moldova	Ms. Tatiana VOZIAN	t_vozian@ccrm.md
	Ministry of Treasury and Finance, Board of Treasury Controllers, Türkiye	Mr. Murat Erinc BAYRAKÇI	erinc.bayrakci@hmb.gov.tr

	Accounting Chamber, Ukraine	Mr. Vasyl NEVIDOMYI	Nevidomyi_VI@rp.gov.ua
Body to which the payments are to be made by the Commission	Ministry of Development, Public Works and Administration, Romania	Ms. Daniela ALBU	daniela.albu@mdlpa.ro

7.2. Procedure for setting up the joint secretariat

In accordance with Article 17(6)(b) of the Interreg Regulation (EU)2021/1059 and considering the valuable support for the successful implementation of the previous programme, the JPC decided to maintain the structural and implementation arrangements already in place and to continue to entrust the role of the Joint Secretariat for the 2021-2027 programming period to the South-East Regional-Development Agency, based in Constanta, Romania.

The arguments substantiating the JPC decision were:

- the experience from the 2014-2020 programming period allows for a swift start to the implementation of the new Programme (the preparation and launch of a call for proposals soon after the Programme's approval in order to ensure a high level of absorption);
- successful accomplishment of the tasks during the previous programming period;
- the management structures and the working procedures of the JS have been audited during 2014-2020 programming period and only minor changes are needed in order to reflect the provisions of the new EU regulations and the lessons learned;
- The JS staff working for the previous programme are already trained and experienced.

The Joint Secretariat will continue supporting and assisting:

- The Managing Authority and the Monitoring Committee in carrying out their functions;
- Applicants and beneficiaries in effectively participating in the programme.

For the vacancies in JS, staff recruitment procedure takes into account the programme partnership and the principles of transparency, non-discrimination and equal opportunities. It shall be further adapted in order to ensure the representativeness of the JS to the best extent possible.

7.3. Apportionment of liabilities among participating Member States and where applicable, the third or partner countries and OCTs, in the event of financial corrections imposed by the managing authority or the Commission

According to the Regulation (EU) 2021/1060 (Common Provisions Regulation), each participating country shall be responsible for investigating irregularities committed by the beneficiaries located on its territory. The participating country shall make the financial corrections in connection with individual or systemic irregularities detected in operations or operational programme. Financial correction shall consist of cancelling all or part of the public contribution to an operation or to the operational programme. In the case of a systematic irregularity, the partner countries and member states shall extend its investigation to cover all operations potentially affected, case by case.

The Commission has the right of making financial corrections by cancelling all or part of the Union contribution to the Programme and effecting recovery from the participating countries in order to exclude from Union financing expenditure which is in breach of applicable Union and national law, including in relation to deficiencies in the management and control systems. In case of any financial corrections imposed by the Commission, the participating countries commit to reimburse to the Programme accounts the amount representing the percentage of the financial correction applied to the expenditure paid by their beneficiaries and declared by the MA to the European Commission at the date of the decision to apply the financial correction.

The financial correction by the Commission shall not prejudice the participating countries' obligation to pursue recoveries under the provisions of the applicable European Regulations. Financial corrections shall be recorded in the annual accounts by the Managing Authority for the accounting year in which the cancellation is decided.

According to art 52. of the Interreg Regulation (EU) 2021/1059, the MA shall ensure that any amount paid as a result of an irregularity is recovered from the lead partner. Partners shall repay the lead partner any amounts unduly paid. If the lead partner does not succeed in securing repayment from other partner or if the MA does not succeed in securing repayment from the lead partner, the participating countries on whose territory the partner concerned is located shall reimburse the MA the amount unduly paid to that partner. The MA shall be responsible for reimbursing the amounts concerned to the general budget of the Union, in accordance with the apportionment of liabilities among the participating countries as laid down herein.

Once the participating country has reimbursed the MA any amounts unduly paid to a partner, it may continue or start a recovery procedure against that partner pursuant to its national law.

Where a the participating country has not reimbursed the MA any amounts unduly paid to a partner, those amounts shall be subject to a recovery order issued by the Commission which shall be executed, where possible, by offsetting to the participating countries. Such recovery shall not constitute a financial correction and shall not reduce the support from the ERDF or any external financing instrument of the Union to the Programme. The amount recovered shall constitute assigned revenue in accordance with Article 21(3) of the Financial Regulation.

With regard to amounts not reimbursed to the MA by a Member State, the offsetting shall concern subsequent payments to the Programme. The MA shall then offset with regard to that Member State in accordance with the apportionment of liabilities among the participating Member States set out herein in the event of financial corrections imposed by the MA or the Commission.

With regard to amounts not reimbursed to the MA by a partner country the offsetting shall concern subsequent payments to programmes under the respective external financing

The participating countries in the Programme decided that neither the lead beneficiary nor the Programme's MA is obliged to recover an amount unduly paid that does not exceed EUR 250, not including interest, from any operation in an accounting year, per partner.

8. Use of unit costs, lump sums, flat rates and financing not linked to costs

Table 11: Use of unit costs, lump sums, flat rates and financing not linked to costs

Intended use of Articles 94 and 95	YES	NO
From the adoption the programme will make use of reimbursement of the Union contribution based on unit costs, lump sums and flat rates under priority according to Article 94 CPR (if yes, fill in Appendix 1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
From the adoption the programme will make use of reimbursement of the Union contribution based on financing not linked to costs according to Article 95 CPR (if yes, fill in Appendix 2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

APPENDICES

Map 1: Map of the programme area

Appendix 1: Union contribution based on unit costs, lump sums and flat rates - not applicable

Appendix 2: Union contribution based on financing not linked to costs - not applicable

Appendix 3: List of planned operations of strategic importance with a timetable

Map 1: Map of the Programme area

** Following the unprovoked and unjustified, unprecedented Russian aggression against Ukraine launched on 24 February 2022 and its impact, only the territories under the control of the sovereign Government of Ukraine are eligible under the programme. Regions currently under Russia's military control will not be eligible, even if they are part of the Black Sea Basin. The participation of Russian Federation to this cooperation programme is suspended.*



Appendix 3 List of operations of strategic importance with a time table-Article 17(3)

Following the Joint Programming Committee decision taken on the 25th of February 2021, the MA received a mandate to explore the existence of ideas and opportunities of financing Strategic Importance Projects (SIPs) within the Programme and to present to the JPC the results and proposals to either support or not support the financing of such projects.

In this sense, the MA included in the public survey, as part of the second round of consultations, a question regarding the existence in the Programme area of SIPs ideas. Some of those project ideas were presented during the consultation events that followed the on line consultations. Further, the MA requested the participants to the events to fill in a draft concept note in case they have additional projects ideas.

In parallel, the MA had contacted the Black Sea Assistance Mechanism (BSAM⁶¹) to collect SIPs ideas within the Programme area with the help of National Hubs.

Following this exercise, 11 SIPs ideas have been submitted for JPC members' consideration, prior to the meeting, in order to demonstrate the interest of the stakeholders and the possibility for some SIPs to be further developed.

After a thorough analysis, the conclusion of the JPC meeting (held on the 27th of May 2021) regarding SIPs, was that to resume the discussion regarding the SIPs after the approval of the Programme, for the financing of flagship projects, in order to ensure a transparent process by involving as many relevant entities as possible in all participant countries, but also to prevent possible risks that could affect a selection process in a limited period of time, until the submission of the Programme to the EC for approval.

Nevertheless, for each specific objective, at least one project from the following fields of action may be considered as operation of strategic importance:

⁶¹ Project financed by the EC and managed by DG MARE, dedicated to the support for the implementation of the Common Maritime Agenda (CMA)

Selected policy objective or selected Interreg-specific objective	Selected specific objective	Priority	Indicative fields of action	Indicative start of implementation
Policy Objective 1 (PO1) “A more competitive and smarter Europe by promoting innovative and smart economic transformation and regional ICT connectivity”	SO1 Developing and enhancing research and innovation capacities and the uptake of advanced technologies	Priority 1 Blue and smart region	Use of innovative technological developments, including enhancement and application of Artificial Intelligence technologies, in support of the blue economy.	Q2 2024
Policy Objective 2 (PO2), “A greener, low-carbon transitioning towards a net zero carbon economy and resilient Europe by promoting clean and fair energy transition, green and blue investment, the circular economy, climate change mitigation and adaptation, risk prevention and management, and sustainable urban mobility”	SO4 Promoting climate change adaptation, and disaster risk prevention, resilience, taking into account eco-system based approaches;	Priority 2 Clean and Green Region	Measures to prevent and mitigate the impacts of climate change on the Black Sea region, including on water quality and quantity.	Q2 2024
	SO7 Enhancing protection and preservation of nature, biodiversity, and green infrastructure, including in urban areas, and reducing all forms of pollution.		Investing in green infrastructure to mitigate air, water, noise, soil pollution and degradation.	Q2 2024

It is expected that the projects implemented under the respective fields of action from each SO could generate higher visibility and added value.