



Call for applicants: Analyses of coastal and marine economic activities in the Mediterranean

CALL FOR APPLICANTS:

Expert(s) for analyses of coastal and marine economic activities in the Mediterranean

To undertake:

Analyses of coastal and marine economic activities and linked pressures on the coastal and marine environment in the Mediterranean

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Background information

Plan Bleu - observation, analysis and prospective center – has been created in the late seventies in the framework of the Mediterranean Action Plan of the United Nations Environment Programme (UNEP/MAP) and the Convention for the protection of the marine environment and coastal region of the Mediterranean (Barcelona Convention). Plan Bleu aims at supporting decision making in the Mediterranean Region with up to date information and analyses on environment and development issues in the Mediterranean, including socio-economic and sectoral analyses.

The Mediterranean-rim countries have asked Plan Bleu to organize the preparation of the 2019 Mediterranean State of the Environment and Development report (SoED 2019) in connection with the UNEP/MAP Coordinating Unit. Aiming to become a new reference document on environment and development in the Mediterranean, the report will be the result of a collective effort of the MAP system and its network of thematic experts and partners (see Appendix 1). To respond in the best way to the request of the Contracting Parties of Barcelona Convention, Plan Bleu is committed to gather the latest expertise, information and analyses on the environment and development in the Mediterranean, as well as their interactions.

The SoED 2019 includes a chapter (n°4) on economic sectors, their pressures and potential for a sustainable transition towards a green, blue and circular economy. This chapter will present a comprehensive and updated assessment of the current status, trends and main sustainability issues of major economic sectors in the Mediterranean and related pollution. It will pay particular attention to the increasing recognition of the role of marine areas in economic development, the emergence of the green, blue and circular economy and linked opportunities for the creation of new sustainable markets. It will also focus on the pressures economic activities exert on the Mediterranean and the resulting (degraded) state of the Mediterranean environment, with a specific section on Pollution in the Mediterranean. Whenever possible, analyses will focus on the Mediterranean coastal zone.

Objectives of the consultancy

The main objective of this consultancy is to provide technical assistance to the elaboration of the 2019 State of the Environment and Development Report by conducting analyses and assessment of coastal and marine economic activities and their linkages with pressures on the coastal and marine environment in the Mediterranean. The consultancy will also provide input for the preparation of the 2023 Quality Status Report.

The steps and deliverables required to reach this objective are described in the section below.

The consultancy described herein will be conducted in close synergy with other activities organized under the framework of the SoED 2019.

Activities to be carried out

The consultant will provide support in strengthening analysis of coastal and marine economic activities and linked socio-economic and environmental issues for inclusion in the 2019 SoED and preparation of the QSR 2023. In particular, the consultant will be responsible to undertake the following five activities, in close collaboration with Plan Bleu, MedPol and SCP/RAC:

1. **Kick-off.** Attend a kick-off Meeting to be held through video-conference, preferably on **January 16, 17 or 18, 2019**, to discuss the content of the reference documents, the scope of the assignment, as well as

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to collect all required information for the completion of this consultancy and to agree on the method of work and communication channel. Draft a brief kick-off Meeting report, including a workplan with detailed timebound outputs for the implementation of this assignment, reflecting the main outcomes of the meeting and including a list of available information sources, to be submitted to Plan Bleu;

2. **Updating and completing sections.** Update and complete data/information and written draft contributions to the SoED 2019 concerning key coastal and marine economic activities, linked socio-economic and environmental issues and the activities' potential for a transition towards a blue economy; these activities are:
 - a. Fisheries and marine aquaculture;
 - b. Agriculture
 - c. Energy
 - d. Tourism
 - e. Transport
 - f. Industries and mining of non-living resources

The SoED includes a section on each of these activities. These sections will highlight economic, social and environmental stakes (including employment, export/import, added value...) for all sectors, with quantitative and comparable/coherent data to the extent possible. Draft versions of these sections are planned to be written by a number of voluntary partners. In coordination with Plan Bleu and SCP/RAC, the consultant will complete these sections where key information is missing (refer to the draft detailed table of contents in Appendix 2) and support coordination between the contributors to chapter 4 of the SoED;

3. **Assessment of pressures and linkages between pressures and state of the marine environment.** Assess pressures exerted by key/main economic sectors on the marine environment and integrate this assessment into the relevant sections of the SoED. Whenever possible, the key economic activities listed above will be broken down into more specific activities, reflecting the list of 30 "sectors of activity" as defined by the Barcelona Conventions LBS Protocol Annex I (Appendix 4). The assessment will cover a description of each pressure with indications about its spatial distribution and related quantitative information available. Based on the assessment of pressures, the consultant will then conduct an analysis of the linkages between these pressures and the state of the environment, using the DPSIR methodology, where possible, and taking into account the results of the QSR 2017. The analysis of linkages will in particular build on the pressures' and state's spatial distribution, and support the integration of the findings into the SoED by feeding relevant information into Plan Bleu's work on cartography and geographical information (the consultant is asked to collect information needed to produce cartography but not to produce the cartography itself); the consultant will ensure that data on pressures from different sectors are coherent and allow for aggregations and comparisons across economic sectors;
4. **Harmonization of sections.** Harmonize the different sections of chapter four in particular, thus ensuring overall coherence of the chapter and support Plan Bleu in ensuring a general articulation of the findings of chapter four with the other chapters of the SoED 2019; and
5. **Communication.** Liaise with the SoED team and partners as needed and take into account comments received on draft versions, in close coordination with Plan Bleu.

Expected results, deliverables and modalities

DELIVERABLES

The Consultant shall:

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1. Prepare and submit to Plan Bleu, not later than **21 January 2019**, the draft kick-off Meeting report and Workplan with detailed timebound outputs for the implementation of this assignment (activity 1 above);
2. Prepare and submit to Plan Bleu, not later than **13 February 2019**, an initial revised version of chapter four (activities 2 and 4 above);
3. Prepare and submit to Plan Bleu, not later than **13 February 2019**, an initial draft of the assessment of pressures and linkages between pressures and state of the marine environment (activity 3 above);
4. Prepare and submit to Plan Bleu, not later than **4 March 2019**, a second revised version of chapter four (activities 2 and 4 above);
5. Prepare and submit to Plan Bleu, not later than **4 March 2019**, a second draft of the assessment of pressures and linkages between pressures and state of the marine environment (activity 3 above);
6. Prepare and submit to Plan Bleu, not later than **20 March 2019**, a third revised version of chapter four (activities 2 and 4 above);
7. Prepare and submit to Plan Bleu, not later than **20 March 2019**, a third draft of the assessment of pressures and linkages between pressures and state of the marine environment (activity 3 above);
8. In coordination with Plan Bleu and SoED contributors, update the different sections, as required in response to a large consultation, until **15 May 2019** and submit a final version of all contributions.

Collected source data used in any produced graphics, calculations or maps will be provided by the Consultant in a separate Microsoft excel file.

All documents produced by the Consultant shall be prepared in English/French as defined during the kick-off meeting, as well as provided in electronic format using software compatible with Microsoft Word.

CALENDAR

Activity	2019			
	J	F	M	A
1. Kick-off				
2. Updating and completing sections				
3. Assessment of pressures and linkages between pressures and state of the marine environment				
4. Harmonization of sections				
5. Communication				
TOTAL				

CONTRACT AMOUNT

For the completion of this consultancy, the lumpsum covering all expenses including consultancy fees and applicable tax is expected to be in the range of **10 000 - 12 000 Euros**.

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WORK ORGANIZATION

The results of the above steps will be validated by Plan Bleu. Regular calls and meetings (face to face or by skype depending on the expert(s) location) with Plan Bleu and/or other UNEP/MAP components and partners will be planned during the activities' development to ensure a smooth development of the tasks and that the results are adapted to the needs.

The Consultant will primarily perform the assignment in his/her office/home.

The work and tasks (including preparation and delivery reports), envisaged under the contract, shall be completed by **15 May 2019**. The contract will be terminated upon the submission by the Consultant of the final draft contributions including a data sheet with used source data, and certification by Plan Bleu that the performance of the duties and the work carried out are satisfactory.

Within that timeframe, the Consultant will organise his/her work in the best possible manner and ensure the successful completion of the missions and consultancy.

Selection of the expert

REQUIRED QUALIFICATIONS

- Masters or PhD or equivalent degree in a field relevant to the assignment
- Previous experience with analyses of economic activities in the Mediterranean and their interrelations with the environment will be an important advantage
- Experience in the Mediterranean region strongly desired
- Familiarity with the UNEP/MAP system will be an added advantage
- Strong conceptual and synthesis ability combined with good writing and communication skills
- Ability to mobilize information and existing knowledge in an efficient way
- Relevant projects and publications references
- Fluency in English as well as proven technical writing skills is required. Fluency and technical writing skills in French would be a significant plus.

The selection of the expert(s) will be done based on a presentation of a letter of interest and CV accompanied by a financial and technical offer, clearly indicating the number of expected working days per task, including a detailed workplan, and making reference to these Terms of Reference.

Applicants are encouraged to send references of previous works completed on subjects relevant to the consultancy, and send relevant documents by email if those cannot be easily found online.

Final selection of the applicant may require an interview. In this case, applicants will be offered the choice to participate in a face to face interview in Marseille (France) or through Skype.

CONTRACTUAL AND FINANCIAL TERMS

The acceptance of the offer of the successful tender will implicate the acceptance of the conditions and schedules detailed in these Terms of Reference.

A duly-issued invoice will be required for payment at the presentation of the final document. The payment term for the invoice will be: bank transfer 15 days after the invoice date (bank account details should be detailed).

The tax legislation in force at the date of acceptance of the offer will be applied.

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How to apply

- Applications must be submitted no later than **January 14th, 2019**.
- Applications must be submitted on www.planbleu.org

For further information, please contact

Ms. Lina TODE
Programme officer foresight and environmental economics
E-mail: ltode@planbleu.org

And

Ms. Elen LEMAITRE-CURRI
Director
E-mail: elemaitre-curri@planbleu.org

Appendix 1 – Concept note of the 2019 Report on the State of the Environment and Development in the Mediterranean (SoED 2019)

Appendix 2 – Draft outline of the SoED 2019 chapter 4

Appendix 3 – Recommendations for authors of the SoED 2019

Appendix 4 – Extract from the LBS Protocol Annex I: List of 30 sectors of activity

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APPENDIX 1 – CONCEPT NOTE OF THE 2019 REPORT ON THE STATE OF THE ENVIRONMENT AND DEVELOPMENT IN THE MEDITERRANEAN (SOED 2019)

1. Mandate

Since the end of the 1970's, Mediterranean riparian countries have emphasized the importance of information on environmental and development issues in support of decision making and have pledged to collaborate in this direction. These issues have been reaffirmed recently by the 21 countries party to the Barcelona Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean and the European Union. For example, the 2016-2021 Mid-Term Strategy of the Mediterranean Action Plan (MAP) for the implementation of the Barcelona Convention provides for the elaboration of assessments, notably on the state of the environment, and interactions between environment and development. The preparation of the 2019 Report on the State of the Environment and Development in the Mediterranean is part of this framework.

2. Objectives, Context and Guiding Principles

The SoED 2019 aims at presenting a comprehensive and updated assessment of the environmental status, trends and main sustainability issues related to the environment and development in the Mediterranean region, in the context of the mandate of the MAP - Barcelona Convention system.

The SoED 2019 will be a collective effort of Contracting Parties, Members of the Mediterranean Commission on Sustainable Development (MCSD), MAP Components and other partners with particular expertise on the Mediterranean. Under the overall supervision of the MAP Coordinating Unit, Plan Bleu is responsible of the SoED 2019 elaboration process with the support of all MAP Components.

Many changes have occurred regarding the status of the environment and development and related policies after the publication of the Report on the State of the Environment and Development in the Mediterranean (2009) and the Report on the State of the Mediterranean Marine and Coastal Environment (2012). Environmental and socio-economic evolutions have modified the region and are expected to have a significant impact in the next decades. This is the case for instance for climate change, which is starting to show its effects, and for the profound changes that the Mediterranean region has undergone in recent years, or the transition towards a green and blue economy. At the global level, the 2030 Agenda for Sustainable Development was adopted in 2015, with its 17 Sustainable Development Goals (SDGs) and 169 targets. At the regional level, the Mediterranean Strategy for Sustainable Development (MSSD) 2016-2025 was adopted in 2016 as a strategic guiding document for all stakeholders and partners to translate the 2030 Agenda at the regional, sub-regional and national levels. It is thus crucial to provide decision-makers and stakeholders in the Mediterranean with up-to-date assessments.

By applying an integrated, systemic and holistic approach, the SoED 2019 will increase awareness and understanding of the environmental and development status and trends in the Mediterranean, their driving forces, impacts and responses, facilitating the measurement of progress towards sustainable development. It will provide an up-to-date baseline for improved decision-making at all levels and enhance the delivery of the 2030 Agenda, the achievement of the SDGs, and the implementation of the MSSD. The SoED 2019 will be prepared in consistency and synergy with previous reports and other relevant MAP initiatives, such as the Roadmap for the implementation of the Ecosystem Approach (EcAp), the 2017 Mediterranean Quality Status report (MED 2017 QSR), the foresight exercise MED2050 currently being launched, etc., while incorporating new developments.

The SoED 2019 will synthesize disparate data into meaningful and relevant information, and communicate the results to decision-makers. It will address the following key questions: **What are the state, the evolution and**

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the trends of the environment and development in the Mediterranean region? What are their driving forces and root causes? What are the current and required policy and societal responses to the situation? The SoED 2019 will also identify priority areas for action, based on available scientific data and reliable information.

The SoED 2019 will cover the Mediterranean region including the Mediterranean Sea and its coastal zone as defined by the Protocol on Integrated Coastal Zone Management in the Mediterranean (ICZM Protocol), i.e. *“the geomorphologic area either side of the seashore in which the interaction between the marine and land parts occurs in the form of complex ecological and resource systems made up of biotic and abiotic components coexisting and interacting with human communities and relevant socio-economic activities”*. The Protocol’s definition of the coastal zone furthermore calls for a systemic analysis including the human communities and socio-economic activities, and the SoED 2019 will address development issues in this sense.

Following the above, a series of directions will guide the SoED 2019 elaboration process:

- (i) Following a **systemic and integrated analysis** putting on the same level the three pillars of sustainable development (environmental, economic and social);
- (ii) Considering the **marine environment and land-sea interactions** as priority areas for analysis;
- (iii) Identifying **climate change related vulnerabilities and risks** on the marine and coastal zone (specific requirement of the MTS Key Strategic Output 1.4.1);
- (iv) Incorporating a **multiscale approach**, with analysis of the Mediterranean region as a whole and also addressing the sub-regional level, while maintaining a readable and easily accessible structure for the report;
- (v) Focusing on **responses** (either political, regulatory, economic, technical or technological) to address the identified issues, while following the **DPSIR** (Driving forces-Pressures-States-Impacts-Responses) approach;
- (vi) The report will draw upon several **available sources of information**: UN system data in priority, complemented by state of knowledge reports and research articles, national reports and data bases, project reports; while also highlighting **knowledge gaps**, in particular on marine pollution, ecosystem services, coastal degradation, cumulative impacts and impacts of consumption and production.

The governance of the project presented below incorporates comments provided by the Bureau of the Contracting Parties to the Barcelona Convention, MAP and Plan Bleu Focal Points, MCSM Members, and MAP Components. It outlines the draft table of contents comprising 8 chapters (in addition to an introduction and a conclusion) consistent and in line with the MAP Mid-Term Strategy 2016-2021, the Mediterranean Strategy for Sustainable Development 2016-2025, the 2030 Agenda and relevant Sustainable Development Goals (SDG’s).

Each chapter will be introduced by a cross-section contextualizing the chapter content in a broader perspective, mentioning the global and regional context (in particular articulation with MTS Themes, MSSD Objective, and relevant SDGs) and highlighting the interrelationships between the sections of the chapters through a systemic analysis. Each thematic sub-chapter will be presented in a way to allow for an easy readability and quick accessibility of the specific information the reader is looking for. Each chapter will then be ended with a cross-section highlighting the political, institutional, legal, economic or technical responses identified.

The conclusion will present priorities for action in the next ten years. These conclusions will be based on sound scientific analysis and exchanges with experts and decision-makers involved in the report elaboration process. In addition, a summary for decision-makers will be issued, consolidating main results and recommendations of the report. Internet thematic fact sheets will also be made available.

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3. Governance of the project and review process

Under the overall supervision of the **UN Environment/ MAP Coordinating Unit**, **Plan Bleu** is responsible of the SoED 2019 elaboration process with the contribution of all **MAP Components**.

Core Team. The report organization in thematic chapters allows for coordinated parallel preparation processes. Each chapter will be prepared under the coordination of two co-leads with Plan Bleu participating in the lead of each chapter to ensure consistency. MAP Coordinating Unit and Components co-lead the chapters according to their mandate:

- The Regional Activity Center on Specially Protected Areas (SPA/RAC) to co-lead the preparation of Chapter 3 on Biodiversity;
- The Regional Activity Center on Sustainable Consumption and Production (SCP/RAC) to co-lead Chapter 4 on Economic sectors, their pressures and potential for transition towards a green, blue and circular economy, including sustainable consumption and production;
- The Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC) to participate in the preparation of Chapter 4 (section on marine transport);
- The Priority Action Programme Regional Activity Center (PAP/RAC) to co-lead Chapter 5 Integrated coastal zone management and marine spatial planning;
- MEDPOL to co-lead Chapter 7 and also contribute to Chapter 4, as pollution is the main trigger of environmental impacts on human health;
- UNP/MAP Coordinating Unit to co-lead Chapter 8 on Governance.
- The Regional Activity Center for information and communication (InfoRAC) will provide a transversal support on information and communication.

In addition, international organizations and other partners active in the Mediterranean will co-lead specialized chapters:

- The Center for Mediterranean Integration – through its World Bank component – to co-lead Chapter 1 on socio-economic issues;
- MedECC (expert network of 380 scientists on climate and environmental changes in the Mediterranean whose supervisor is also responsible for the coordination of the next IPCC cross-chapter on the Mediterranean) to co-lead Chapter 2 on Climate Change;
- The United Nations Food and Agriculture Organization (FAO) and *Centre international des hautes études agronomiques méditerranéennes* (CIHEAM) will be invited to co-lead Chapter 6 on food and water security.

Finally, the European Environmental Agency (EEA) is invited to participate in this Core Team to link with assessment reports in preparation under EEA leadership or shared coordination in the framework of the Barcelona Convention (H2020) and beyond, with a similar timing.

The Core Team will play an operational role, supporting the preparation of a well-structured report, building on the implementation of the Mid-Term Strategy and MAP Programme of Work.

This **Core Team** will be assisted by **Chapter Working Groups** (one per chapter) composed of experts from all MAP Components, as well as a range of institutional and technical partners (MAP Partners, MCSD Members, international and regional organizations, experts and scientists), who can be authors, contributors or peer-reviewers in their field of expertise in line with the respective chapter. The Core Team will convene virtual chapter working group meetings with the authors and contributors, at least on a trimestral basis, and coordinate contributions.

The **MCSD Members** and **Plan Bleu Thematic Focal Points** have been invited to participate in chapter working groups or suggest relevant contributors, they have been consulted on the SoED 2019 table of contents, they will be informed about the progress of the elaboration process, and they will review the draft report.

The **Steering Committee**, counting among its members representatives of the riparian countries, will be associated to the preparation of the SoED 2019, in particular on Chapter 9 “Synthesis and conclusions” and



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Summary for decision-makers. The Steering Committee will be consulted on a first outline of the Chapter 9 and the Summary for decision-makers and closely follow-up and support the elaboration of this chapter.

The review process of the SoED 2019 will be further supported by a **Scientific Committee**, which will provide support in ensuring overall scientific coherence by reviewing the draft report. It will count around 10 members with a balance between representatives from Northern, Southern and Eastern Mediterranean countries and as much as possible between genders. The members of the Scientific Committee will be experts with a broad scope of expertise on environment and development. The Steering Committee will be associated to the identification of the Scientific Committee members to ensure a balanced representation of expertise and countries.

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APPENDIX 2 - DRAFT OUTLINE OF THE SOED 2019 CHAPTER 4

Chapter 4: Economic sectors, their pressures and potential for a sustainable transition towards a green, blue and circular economy (30-40 pages)

This chapter will depict the main macro-economic features and indicators for the region, underscore the increasing recognition of the role of marine areas in economic development, the emergence of the green, blue and circular economy, the opportunities for the creation of new sustainable markets and will explore both its current and potential weight, as well as future perspectives.

- *The increasing recognition of the role of marine areas in economic development*
- *Definition of the Green, Blue and circular economy*
- *Explaining the change of paradigm and implications*

1.1. TRANSVERSAL INTRODUCTION

This chapter will elaborate on the regional macro-economic context: High resource-consumption patterns and resulting pressures on natural resources and trends, the current contribution of the green/blue economy to sustainable development in the region.

- 1.1.1. High resource-consumption patterns and resulting pressures on natural resources and trends.

High resource-consumption patterns and low recycling rates, limited consumer awareness and insufficient product information

- 1.1.2. The current contribution of the green/blue economy to the regional economy

The following sections will detail for each sector: contribution to the economy (employment, added-value, ...), environmental impacts, trends & potential improvements towards a green/blue economy.

1. *Overview of the sector*
2. *Impacts on the environment (pollution of air, water and soil, degradation and fragmentation of ecosystems, nuisances, industrial and technological risks, ...) and dependency on natural resources availability and ecosystems*
3. *Present dynamics and potential to evolve towards a green, blue and circular economy*

1.2. Agriculture

This section will examine the socio-economics of agriculture, including forestry, and list the main environmental impacts of agriculture, including forestry, on the environment.

⇒ However, the key interactions of agriculture and forestry with the environment will be examined more thoroughly in [Erreur ! Source du renvoi introuvable.](#), [Erreur ! Source du renvoi introuvable.](#), [Erreur ! Source du renvoi introuvable.](#), [Erreur ! Source du renvoi introuvable.](#) and [Erreur ! Source du renvoi introuvable.](#)

- 1.2.1. Overview of the sector

Agriculture, including forestry, is a key player in the development of the Mediterranean region in providing food production and security, significant inputs to downstream industries -from food processing to tourism-livelihoods and employment, and ensuring the management of rural landscape.

This will include value added (total, % of GDP, per agricultural worker), turnover, employment, agricultural production (total, per capita), agricultural productivity, agricultural land (surface), agricultural landcover by type (forests, pasture, agricultural, ...), livestock, organic agriculture (% of surface and of production), size of farms, agricultural subsidies, ...

- 1.2.2. Interactions with the environment

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This section will list the main environmental impacts of the agriculture and forest sectors on the environment, including pollution.

This will include consumption of fertilizers and pesticides, loss of biodiversity and ecosystem services, ...

1.2.3. Are we moving towards a green economy?

1.3. Fisheries and aquaculture

This section will highlight: state of fish stocks, pollution from aquaculture, fish and shellfish diversity, social issues in particular linked to small scale fisheries, illegal unreported and unregulated fishing, ...

1.3.1. Overview of the sector

1.3.2. Environmental impacts (stock depletion, pollution, bycatch, fishing gears impact on habitat including ghost nets, ...)

1.3.3. Dependency on natural resources availability and quality of ecosystems

1.3.4. Are we moving towards a green/blue economy (IUU,...)?

1.4. Energy

The section will draw a picture of the region in terms of energy consumption and production (global and sectoral breakdown), sources of energy and energy mix, access to energy and security, energy intensity, trends in the demand and production, contribution of the sector to the regional and national economy, dependency on energy exports and imports, employment, potential for transition towards a larger share of renewable energies.

1.4.1. Overview of the sector

1.4.2. Environmental impacts (incl. pollution)

1.4.3. Dependency on natural resources availability and quality of ecosystems

1.4.4. Are we moving towards a green/blue economy (mainstreaming climate change, developing power grids, renewable energy, ...)?

1.5. Tourism

1.5.1. Overview of the sector

This section will provide key figures on the sector: the touristic activities (including cruising, scuba diving, ...) and potential of the region (natural and historical sites, cultural traditions, food, craft work...) and its environmental and social impact, seasonality and hot spots. It will also explore the region's potential for a more sustainable tourism, particularly in the coastal and marine areas, including ecotourism and rural tourism perspectives as incentives for nature conservation.

1.5.2. Environmental impacts (coastal pressures, pollution, resources depletion (land, water, ...), seasonality, ...)

1.5.3. Dependency on natural resources availability and quality of ecosystems

1.5.4. Are we moving towards a green/blue economy?

1.6. Transport

This section will put forward sustainability related issues with regard to terrestrial and maritime transport: pollution including noise, greenhouse gas, infrastructure and land occupation, connectivity, ...

1.6.1. Terrestrial transport

1.6.1.1. Overview of the sector

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- 1.6.1.2. Environmental impacts (incl. pollution)
- 1.6.1.3. Dependency on natural resources availability and quality of ecosystems
- 1.6.1.4. Are we moving towards a green economy?
- 1.6.2. Aerial transport
 - 1.6.2.1. Overview of the sector
 - 1.6.2.2. Environmental impacts (incl. pollution)
 - 1.6.2.3. Dependency on natural resources availability and quality of ecosystems
 - 1.6.2.4. Are we moving towards a green economy?
- 1.6.3. Maritime transport
 - 1.6.3.1. Overview of the sector
 - 1.6.3.2. Environmental impacts
 - 1.6.3.3. Are we moving towards a green/blue economy?

1.7. Industries and mining of non-living resources

This section will elaborate on the following issues: Exploration and mining of oil and gas, sand, salt and potentially other minerals; and linked pollution and risks, including erosion, ecosystem destruction, land-use, rehabilitation of mining sites, marine and terrestrial spatial planning, including a focus on marine and coastal areas.

- 1.7.1. Overview of the sector
- 1.7.2. Environmental impacts (pollution, technological risks, ...)
- 1.7.3. Dependency on natural resources availability and quality of ecosystems
- 1.7.4. Are we moving towards a green/blue economy?

This section will include a focus on the needs/challenges for the transition of those industries towards green/blue/circular economy.

1.8. Pollution

This section will include various sources and categories of pollution of air, water, soil, including noise, contamination, ... with a focus on coastal and marine areas. It will be based on the previous sections, presenting a wider vision of sectoral impacts and pollution trends, including knowledge gaps.

- 1.8.1. Overview of the pollution issue in the Mediterranean

This section will also highlight the production and use of toxic chemical substances in the region.

- 1.8.2. The environmental impacts of pollution

This section will also highlight the dramatic impacts of toxic chemicals in the region.

- 1.8.3. Are we moving towards a green/blue economy (H2020...)?

1.9. Waste

This section will depict waste related issues, including industrial and municipal waste, as well as waste management.

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- 1.9.1. Overview of waste in the Mediterranean
- 1.9.2. Municipal waste
- 1.9.3. Industrial waste
- 1.9.4. Are we moving towards a green/blue economy?
- 1.10. **Marine Litter**

This section will specifically focus on marine litter.

1.11. **Responses and priorities for action**

This section will highlight the conditions and enabling factors for the development of the green, blue and circular economy and the priority areas on which the Mediterranean region should focus on, distinguishing policy responses to be promoted at the global and sectoral levels, with a special attention to sustainable consumption and production policies and support for the development of green, blue and circular businesses.

- 1.11.1. Sustainable consumption and production policies & initiatives (labelling, public procurement...)
Including SCP Action Plan
- 1.11.2. Integrated management approach (off-shore and coastal activities)
- 1.11.3. Strengthen the regulatory frameworks
- 1.11.4. Promote circular economy
- 1.11.5. Fiscal policies (including harmful subsidy reforms), other economic instruments/quota, financial instruments/credit
- 1.11.6. Trade policies
- 1.11.7. Research & innovation, capacity building, etc.
- 1.11.8. Addressing socio-economic inequalities
- 1.11.9. Promote the use of new measures of the green/blue growth
- 1.11.10. Major knowledge gaps
- 1.11.11. Priorities for action

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APPENDIX 3 – TECHNICAL RECOMMENDATIONS FOR AUTHORS OF THE SOED 2019

Specifications of the section	Comments
Length of the text	Text length of an individual contribution will generally be between 1-3 pages (including figures and tables and excluding bibliographic references). The exact length will be defined individually for each section. Each full chapter will fill around 30 pages.
Additional information for each section	We would be grateful to receive, in line with your individual contribution, the following information: <ul style="list-style-type: none"> - A paragraph on the knowledge gaps concerning the subject of your contribution - One or two key messages stemming from your contribution which you find particularly interesting to potentially take up in the conclusions/summary of the overall report.
File format	Chapter files can be in the following formats: DOC or DOCX. Microsoft Word documents should not be locked or protected
Font	Calibri font <ul style="list-style-type: none"> - 30 pt blue text for Chapter and Section headings - 15 pt italics for Sub-section headings - 11 pt for text (including text in boxes) - 9 pt for figure and table captions
Headings	Limit chapter sections and sub-sections to 4 heading levels (i.e. chapter, section, sub-section, 2 nd sub-section). Make sure heading levels are clearly indicated in the manuscript text.
Layout	Chapter text should be single line-spaced. Do not format text in multiple columns.
Footnotes	Limited use of short footnotes is allowed. Footnotes will be compiled at the end of each chapter.
Language	Chapters must be submitted in English or French.
Abbreviations	Define abbreviations upon first appearance in the text. Do not use abbreviations unless they appear at least twice in the text
Units	Units of measurement: use SI units. If you do not use these exclusively, provide the SI value in parentheses after each value. Read more about SI units (http://www.bipm.org/en/si/). Monetary values: All monetary values should be expressed in Euros at the time of the data release.
Reference dates	Dating information: Data should always be indicated with a reference date (year of the data).
Nomenclature	Species names: write in italics (e.g., <i>Homo sapiens</i>). Write out in full the genus and species, both in the title of the chapter and at the first mention. After first mention, the first letter of the genus name followed by the full species name may be used (e.g., <i>H. sapiens</i>).
Author List	An author is any person or institution writing at least one full section at level 4 of the report, or a full box. Write author names in the following order: <ul style="list-style-type: none"> -First name (or initials, if used) -Middle name (or initials, if used) -Last name (surname, family name) If the author has an affiliation it must include department, university, or organizational affiliation and its location, including city, state/province (if applicable), and country.

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Contributor List	<p>Those who contributed to the work but are not authors should be listed in the list of contributors. Chapter leads are responsible for ensuring that anyone named in the contributor list agrees to be named.</p>
Indicators and data	<p>Each section should be illustrated and supported as much as possible by relevant data and indicators. Data and trends should be provided for the following reference years, whenever possible: 1960 - 1995 – 2005 – 2015/2018 – 2025/2030 – 2050.</p>
Sources	<p>Sources of information should mention:</p> <ul style="list-style-type: none"> - Under a figure, table or other illustration: Name of the organization, year. ex : FAO, 2003 - A more complete reference will be inserted into the bibliography. For this purpose, please indicate: Family name, given name (year). <i>Title in italics</i>. Editor. OR Name of the organization (year). <i>Title in italics</i>. Editor. <p>If the source is a journal: Family name, given name (year). Title of the article. <i>Title of the journal in italics</i>, volume, number.</p> <p>A list of bibliographic references will be inserted at the end of each chapter.</p>
Figures	<p>Graphics must be submitted in xls or xlsx format (including the data used to make the graphics). In case of already published graphics, please provide the reference Artworks must be submitted in eps or ai (in vector format) or by default in jpg, png.</p> <p>Use of maps: - in case of maps already published in other publications, permission must be requested to the copyright holder(s) - in case of maps produced by the author, please provide the original vector files in order to edit the layout and harmonize with other maps in the publication (.shp)</p> <p>Pictures must have a minimum resolution of 300 dpi with a minimum of 1000 pixels x 1500 pixels. .Jpg, .png formats are accepted. Chapter leads will ensure that permission is requested to third party copyright holder, if necessary. Authors of photographs must be credited.</p> <p>Figure captions must be inserted in the text of the manuscript, immediately following the figure. Do not include captions as part of the figure files themselves. At a minimum, include the following in your figure captions: -A figure label with Arabic numerals, and “Figure” not abbreviated. Match the label of your figure with the name of the file uploaded at submission (e.g. a figure citation of “Figure 1” must refer to a figure file named “Fig1.eps”). -A concise, descriptive title -The caption may also include a legend as needed.</p> <p>In-text citations: cite figures with the format: Figure 1, Figure 2, Figure 3, etc. and do not use acronyms for in-text citations.</p> <p>Place each table in your manuscript file directly after the paragraph in which it is first cited (read order). Do not insert tables as images. Tables require a label (e.g., “Table 1”) and brief descriptive title to be placed above the table. Place legends, footnotes, and other text below the table.</p> <p>In-text citations: cite Tables with the format: Table 1, Table 2, Table 3, etc.</p> <p>Only the logos of Plan Bleu/MAP/UNEP will be shown on the cover of the publication. Logos of donors will be shown on the back of the report. Logos of contributors and authors will not appear in the publication but can be displayed on the SoED website. However, authors and contributors will be named in the list of authors/ list of contributors.</p>

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Boxes	Boxes will illustrate relevant case studies, as defined by chapter working groups.
Specifications for data	<p>Statistical data:</p> <p>The data assembled for this report will be provided along with their Metadata. An example of Metadata¹ will be shared with authors and contributors.</p> <p>When time series include proxies to complete the series, this should be clearly indicated, stating the calculation method of the proxy.</p> <p>Any relevant footnotes on specific data entries shall be communicated.</p> <p>In order to facilitate the import of data in the Plan Bleu GIS and to provide charts, the format should be a matrix: Geographical units x Years or a flat file. Some examples will be provided to the contributor/author.</p> <p>When the data are extracted from a database available on Internet, please specify the detailed web address with the date of extraction.</p> <p>The administrative units have to be referenced using the ISO code ISO 2 or Alpha-2 code – a two-letter code that represents a country name, recommended as the general purpose code - https://www.iso.org/iso-3166-country-codes.html. An Excel file with these codes will be provided to the contributors.</p> <p>Geographical data: The data should be provided as ESRI Shape files with ESRI ArcGIS Metadata (compatible with the ISO 19115 standard).</p> <p>A table indicating the country subdivisions of the Mediterranean region will be shared with chapter working groups.</p> <p>For other types of data, you are invited to contact Jean-Pierre GIRAUD at jpgiraud@planbleu.org.</p>

¹ For more information on metadata standard (SDMS, DSD) see <https://webgate.ec.europa.eu/fpfis/mwikis/sdmx/index.php/SDMX> or the Eurostat web page <http://ec.europa.eu/eurostat/web/sdmx-web-services/sdmx>

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APPENDIX 4 – EXTRACT FROM THE LBS PROTOCOL ANNEX I: LIST OF 30 SECTORS OF ACTIVITY

1. Energy production;
2. Fertilizer production;
3. Production and formulation of biocides;
4. The pharmaceutical industry;
5. Petroleum refining;
6. The paper and paper-pulp industry;
7. Cement production;
8. The tanning industry;
9. The metal industry;
10. Mining;
11. The shipbuilding and repairing industry;
12. Harbour operations;
13. The textile industry;
14. The electronic industry;
15. The recycling industry;
16. Other sectors of the organic chemical industry;
17. Other sectors of the inorganic chemical industry;
18. Tourism;
19. Agriculture;
20. Animal husbandry;
21. Food processing;
22. Aquaculture;
23. Treatment and disposal of hazardous wastes;
24. Treatment and disposal of domestic waste water;
25. Management of municipal solid waste;
26. Disposal of sewage sludge;
27. The waste management industry;
28. Incineration of waste and management of its residues;
29. Works which cause physical alteration of the natural state of the coastline;
30. Transport.