

Terms of Reference for National Consultant

Consultant on Water Management and coastal engineering for the ICZM Plan with special focus on CVC issues

Scope and Duration

Scope: these ToRs refer to the tasks related to the preparation of the Integrated Coastal Management Plan for the Šibenik-Knin County incorporating climate variability and change issues (in further text: ICZM Plan) being the activity 3.1.2.1. of the project "Integration of climatic variability and change into national strategies to implement the ICZM Protocol in the Mediterranean" (in further text: the Project).

Details related to the preparation of the ICZM Plan are available in the annex to this ToR – "Integrated Coastal Management Plan for the Šibenik-Knin County incorporating climate variability and change issues - Inception Report".

Duration: 1 September 2013 - 30 April 2014

Background

1. The general background and information concerning the "Integration of climatic variability and change into national strategies to implement the ICZM Protocol in the Mediterranean" project are provided in the Project Document of the GEF project "Integration of climatic variability and change into national strategies to implement the ICZM Protocol in the Mediterranean".
2. The Integrated Coastal Management Plan (the ICZM Plan) will be prepared jointly by PAP/RAC and GWP Med as activity 3.1.2.1 of the project. Using the results of the application of the combined methodologies for economic modelling and participatory approach in one of the locations in one of the participating countries (developed in activity 2.1.2.1 by PAP/RAC and Blue Plan), an integrated coastal management plan is going to be developed following the "Integrative Methodological Framework" (IMF) developed within the MedPartnership project. Methodology and tools for mainstreaming climate variability and change into national ICZM planning and practices is to be further upgraded within the activity 3.1.1. The selection of the location (3.1.2) was decided based on the conditions in the countries, taking into account willingness and readiness of the authorities.
3. Preparation of the ICZM Plan should satisfy the requirements of the ICZM Protocol for the Mediterranean, of the Water Framework Directive, and, in its marine part, as much as possible the requirements of the Marine Strategy Framework Directive. A scoping report will be prepared with the aim to identify priority issues and the objectives of the plan. First Climagine workshop will also provide inputs for the Scoping report. Upon the adoption of the scoping report, a broader analysis of the identified issues will be undertaken by the interdisciplinary national team. Integration of the CV&C will be of a key issue for this coastal plan. Information obtained by DIVA and Climagine will be one

of the key inputs for the plan. Based on the findings of the analysis, the ICZM Plan aiming at establishing an optimal governance framework that will lead towards sustainable coastal development in selected area will be proposed. This plan will be presented to the stakeholders with the aim to be adopted and by this adoption, among other, to ensure its implementation.

4. During the Steering Committee Meeting in Istanbul in May 2012, PAP/RAC has invited beneficiary countries to propose sites where the assessment of environmental and socio-economic costs of climate variability and change could be prepared. Four countries, out of eight participating in the project, responded to the call. Two countries were shortlisted as they have met most of the requirements in the call (Tunisia and Croatia). After a thorough consideration, it was decided that it is Croatia as a country where conditions are ripe to prepare an ICZM Plan. The County Šibenik-Knin was selected as the area where the plan will be prepared for the following reasons:
 - The County authorities expressed willingness and commitment to prepare such a plan and are ready provide in-kind co-financing;
 - The County Spatial Plan exists and it provides for the preparation of coastal plan;
 - Most of the data needed already exists;
 - The area is highly suitable for the coastal management as it is highly dependent of coastal economy, and a wealth of coastal resources, and it is highly vulnerable to climate variability and change;
 - The area is highly valuable from the biodiversity point of view, and it is home to two national parks and several marine protected areas;
 - Institutional capacities exist in County planning and other institutions and preparation of the plan will be an opportunity to increase their capacity for ICZM and coastal climate change adaptation planning;
 - The Krka River runs through the county and it is highly susceptible to the impacts of climate change;
 - The coastal area is a tourist area, and that offers the opportunity to carry out an Carrying Capacity Assessment as a complement to the ICZM Plan.

5. Preparatory works on the implementation of the ICZM Plan to date consist of:
 - PAP/RAC held initial talks with the representatives of the Šibenik-Knin County who have confirmed their interest to participate in the planning process as well as provide in-kind co-financing. It was agreed that a Letter of Intent will be signed between the Šibenik-Knin County and PAP/RAC.
 - At the expert meeting held in Paris on 19 November 2012 the modalities of the ICZM Plan preparation and linkage with the DIVA/Climagine model were discussed. It was agreed that one of the areas where an assessment of environmental and socio-economic impacts will including the evaluation of response options will be made will be the area of Šibenik-Knin County in Croatia.
 - In April 2013 the project was presented to the newly-formed National Committee for the Development and Implementation of the Croatian Coastal and Marine National Strategy.
 - In co-operation with PAP/RAC, the County of Šibenik-Knin sent invitations, together with the description of the project and the list of participants to almost 100 identified stakeholders, and prepared the City Hall for the implementation of the “Climagine” workshop. The Workshop was organised in Šibenik on 8 April 2013 and was attended by more than 60 participants representing numerous stakeholder groups. A scoping exercise was held as part of the Workshop in Šibenik. During the exercise, a number of issues were presented and participants agreed on a number of priorities. The emphasis in the presentations was on the issue of climate variability and change.

6. The team to prepare the Plan will tentatively be composed of the following experts (to be confirmed at a later date):
 - a) 1 National Consultant (ICZM and Coastal Climate Change Adaptation Specialist) to act as overall Team Leader (TL),
 - b) 1 National Consultant (specialist on coastal hydrogeography/oceanography and Coastal Climate Variability and Change),
 - c) 1 National Consultant (ICZM and Coastal Spatial Planning/terrestrial and marine),
 - d) 1 National Consultant (participation specialist),
 - e) 1 National Consultant (biodiversity-protected areas specialist/terrestrial and marine),
 - f) 1 National Consultant (tourism/CCA specialist),
 - g) National/International consultants to be commissioned by partner organisation (GWP Med) on IWRM and Climate Change,
 - h) National experts of the County Planning Office will assist the implementing team, to provide specific information and inputs such as GIS,
 - i) National and local authorities and stakeholders will be involved in the related participatory activities
 - j) Upon finalisation of the Scoping Report the team structure may be revised.

7. The operational co-ordination and harmonization will be secured through the following:
 - Inception Report (May 2013)
 - First Climagine workshop to contribute also to the finalisation of the Scoping Report (April 2013)
 - Inception meeting (September 2013)
 - The First Harmonisation meeting to adopt Analysis Report, review the progress, and to discuss and integrate preliminary results of the DIVA. This meeting is to be organised back to back or jointly with the 2nd Climagine workshop. (October 2013)
 - The Second Harmonisation Meeting to discuss the Draft ICZM Plan (December 2013)
 - Final Conference to present ICZM Plan.

8. During the ICZM Plan preparation, the updated IMF guidelines with Climate Change Proofing will be tested. The document will contain the methodology to mainstream the issue of climate variability and change into the coastal plans and strategies based on and linked with national ICZM, IWRM, regional development plans and climate change related strategies and plans. The preparation of the guidelines will be carried out as a separate activity (3.1.1.1.) by PAP/RAC, preferably in parallel with the scoping phase of the ICZM plan. After the document has been tested, it will be finalised using the respective experiences.

Process

9. The Consultant will participate in the preparation of the ICZM Plan, which will consist of the following phases:
 - i. Establishment Phase: Inception Report containing Plan Outline, Methodology of mainstreaming climate variability and change issue, and Operational Programme will be drafted by the Team Leader, in consultation with national experts, based on Annotated Contents previously drafted and approved by PAP/RAC. The following will be taken in consideration:
 - National authorities will be consulted.
 - National Consultant on Climate Variability and Change will be commissioned separately by PAP/RAC.

- The draft Outline will be presented, discussed and approved at the Inception Meeting.
 - Operational co-ordination and harmonization within the Inception phase will be provided by the TL, under guidance of PAP/RAC, also by the responsible county authorities. During this phase the Inception Meeting will be held.
 - **Scoping Report** according the methodology drafted in the “Integrative Methodological Framework”.
During this phase the first Climagine workshop will be held. This workshop will provide inputs for and contribute to the finalisation of the Scoping Report.
- ii. Analysis Phase: **Diagnostic Report** containing more rigorous analysis and review of the issues and problems; alternative views of the future through the use of scenarios; as well as identification of future funding sources. During the analysis stage preliminary results concerning impacts of climate variability and change will be provided by the DIVA team and National Consultant on Climate Variability and Change commissioned separately by PAP/RAC. During this phase the First Harmonization Meeting will be held at which Diagnostic Report is to be adopted. This meeting is to be held back to back or jointly with second Climagine workshop. This workshop will contribute to the development of the scenarios needed for the ICZM Plan.
 - iii. Design Phase: The draft ICZM Plan in accordance with the Operational Programme and Outline and including inputs from the DIVA/Climagine exercise will be prepared. Results of all activities will be integrated. Co-ordination, harmonization and guidance will be provided as for the Inception Phase.
 - iv. Presentation and Adoption Phase: The draft ICZM Plan will be presented at the Second Harmonization Meeting, and finalized in accordance with meeting’s outcomes. The plan will be submitted as a proposal to the County authorities to be presented and adopted by the County Assembly according to the procedure stipulated in the County Spatial Plan.

Key Tasks of the Consultant

1. To collect relevant information on the infrastructure development and water resources relevant for coastal area of the Šibenik-Knin County
2. To assist in the implementation of the DPSIR conceptual framework for the Šibenik-Knin coastal area
3. To regularly attend team meetings
4. To assist in developing respective maps for the ICZM Plan
5. Draft a section of the Diagnostic Analysis Report on impacts of climate variability and change in Šibenik-Knin coastal area with special reference to infrastructure and water resources from the perspective of future trends.
6. To participate in exercise developing scenaria.
7. Assist in assessing the impacts of climate variability and change in coastal areas
8. Assist in determining major aspects of adaptation to climate variability and change
9. Assist in setting the vision of the area and provide input related to infrastructure and water resources
10. Assist in developing coastal policy zones.
11. Prepare report on general policy recommendations and recommendations for coastal policy zones from the perspective of infrastructure and water resources
12. Present above contributions at the First harmonisation Meeting/Second Climagine workshop and Second harmonisation Meeting.

Deliverables

10. The consultant will deliver the following:

- Section of the Diagnostic Analysis Report
- Input for the ICZM Plan cartography
- Section on the spatial vision
- Report on general policy recommendations and recommendations for coastal policy zones from the perspective of infrastructure and water resources

11. The consultant will attend the following meetings:

- Inception Meeting (September 2013)
- Second Climagine Workshop (October 2013)
- 2 Harmonisation Meetings (October/December 2013)
- Meeting to present and adopt the ICZM Plan
- Team meetings and other meetings as necessary

Responsibility and Communication

12. The Consultant will be:

- responsible to PAP/RAC Director or her nominee
- responsible to the ICZM Plan national team leader.

Qualifications

13. The consultant should have the following educational and professional qualifications:

- Senior professional level with a minimum of ten years of experience in civil engineering and water resources management
- Advanced degree in any of project relevant technical or environmental sciences;
- Ability to analyse issues and information and prepare briefs and summaries on key ideas and issues;
- Strong research skills, combined with superior communication and interpersonal skills;
- Fluency in both spoken and written Croatian and English.

Outputs and Deadlines

14. The following outputs will be delivered by the consultant:

Outputs	Deadline
Outputs A	
Information collection	30 September 2013
Section of the Diagnostic Analysis Report	30 September 2013
Contribution to the section on the spatial vision	15 October 2013
Input for cartography	15 October 2013
Outputs B	
Draft Report on general policy recommendations and recommendations for	15 December 2013

coastal policy zones from the perspective of infrastructure and water resources	
Final Report on general policy recommendations and recommendations for coastal policy zones from the perspective of infrastructure and water resources	15 February 2013
Input for the ICZM Plan cartography	15 February 2013
Final report on the activity	31 March 2014

Reporting and Remuneration

1. For the successful accomplishment of these tasks the consultant will be paid a total amount of 11,000.00 USD.
2. The payments will be made on an output delivery basis, upon submission of outputs defined in point above, subject to clearance by PAP/RAC, as follows:

Instalment	Payments, U\$
1 st instalment, upon submission of the outputs under A – 40%	4,400.00
Final payment upon submission of the outputs under B – 60%	5,600.00
TOTAL:	11,000.00