BACKGROUND INFORMATION

MedMIS Initiative

MedMIS initiative is aiming “to establish a common framework for the Mediterranean MPAs (Marine Protected Areas) to develop action on marine invasive species”. The key actions thus lay the groundwork for cooperative activities between managers of MPAs and their associated partners as well as within local MPAs themselves, to reduce the impacts of IAS and preventing, if possible, their further introduction and spreading.

MedMIS is an online information system developed in its first version in 2013 for monitoring invasive non-native species in MPAs with a web platform interface and mobile phone for IOS and Android. Its application had several updates since then.

This platform is for all observers (amateur or professional diver, fisherman, marine technicians MPA manager or scientists) that would like to receive information on invasive species around protected areas and support conservation efforts by recording the potential invasive species that they found.

The smartphone applications are available for free. They can be download on a Smartphone from Apple Store or Google Play. Thus, users can upload pictures of invasive species by themselves and specify the exact location where they were found, so the information is later displayed on the map at the web platform and application.

The technology originally used to develop the app is now outdated and IUCN Med is aiming to develop a more comprehensive and cost-effective solution to update the mobile application as well as the web platform.

GOALS OF THE CONSULTANCY

IUCN Mediterranean seeks to identify interested and competent companies for the provision of services related to update and improvements of the mobile application as well as the web platform of MedMIS based on appearance, performance, usability, data quality and scalability, as well as the key technical points stated as below:

- Mobile App Development for Android and iOS to the most current versions today. Changes and updates need to be functional in both Android and iOS
- Increase the database update of the mobile App to increase its consistency, decrease in error, improve its accessibility to data and high data security.
- Ensure that application can use and update data offline
- Improve the visual appearance, user experience and functionality (including filters and maps) of the applications
- Make a Mobile API (“application program interface”) update to enable API to Mobile and API to Website to share functionality and update the entire platform (APIs and Mobile).
- Update of the Web platform: visual appeal, responsive and mobile friendly, technique and coding, measuring effectiveness, easy navigation, maintenance.

- All improvements should be implemented in the three current languages (English, Spanish, Greek) but enabling the implementation of the app to other languages should be possible in the near future.

- Guarantee the post-development and maintenance services for monitoring, refining, fixing and updating the elements in order to ensure a superlative end user experience.

- Any additional improvements and functionalities suggested by the proponent will be considered an asset.

**Vision for MedMIS:** In coordination with IUCN Med, discuss the overall vision and purpose for the application and web platform from the current status to the next level.

**SCOPE OF THE CONSULTANCY**

Description of key tasks based on above mentioned key points and management plan

- Information regarding the development process (pre- and post-launch maintenance, QA testing)
- Application and web platform development tools
- Time for delivery of services
- Quality control mechanism
- Any development tasks or assumptions that may be required to render the solution fit-for purpose.
- Any anticipated integration tasks
- Customer Support

**EXPECTED DELIVERABLE TIMELINE AND PAYMENTS**

Indicative timeline for implementation is **maximum 3 months.**

<table>
<thead>
<tr>
<th>Deliverables</th>
<th>Deadline</th>
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<tbody>
<tr>
<td>1. Detailed methodology and work plan</td>
<td>18th April, 2022</td>
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<tr>
<td>2. Submission of a draft version</td>
<td>23rd May, 2022</td>
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<tr>
<td>3. Incorporation of suggestions and comments by IUCN Med</td>
<td>1st-26th June, 2022</td>
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<tr>
<td>4. Submission and presentation of the final version</td>
<td>27-30 June, 2022</td>
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**Maximum budget:** 22,500€ Euros incl. VAT and all other taxes: 1st instalment of 40% will be made upon signature and 2nd instalment of 60% will be made upon finalised review of deliverables by IUCN-Med.

**SUBMISSION of APPLICATIONS**

Please submit your application to **Yaprak Arda (yaprak.arda@iucn.org)** by 21st March, 2022 at 23:59 (CET). Applications should include the following elements:

- Interpretation of the Terms of Reference, demonstrating an understanding of the scope and objectives of the consultancy, including how they will be achieved
- Proposed work plan according to the tentative dates indicated in this document, including a detailed breakdown for the completion of the proposed activities and deliverables and time allocation

- Proposed methodology based on the contents of these Terms of Reference. The methodology should describe how the various stages of the consultancy will be carried out

- Curriculum Vitae and a detailed work portfolio presenting similar works, particularly addressing mapping and spatial data applications.

- Proposed budget of up to 22,500€ (including VAT and other taxes), detailing the proposed expenditures per activity

**SELECTION CRITERIA**

The selection of the candidate for this consultancy will be based on:

- Profile of the applicant (40%)
- Proposed methodology and timeline (45%)
- Proposed budget (10%) - Not exceeding 22,500€ (including VAT and all taxes) and with detailed breakdown of time and resources included
- Language skills (5%) - The working language of this consultancy is English. Knowledge of other Mediterranean languages is considered an asset.

**The consultancy is expected to start in 31st March, 2022.**

**INQUIRIES**

For any inquiries related to this consultancy, please contact Yaprak Arda (yaprak.arda@iucn.org).

**ABOUT IUCN-MED IUCN**

Centre for Mediterranean Cooperation (IUCN-Med) coordinates and implements the global program of IUCN, International Union for the Conservation of Nature and Natural Resources, in the Mediterranean region. It aims to unite science, decision-making, management and action to conserve nature and accelerate the transition to sustainable development through innovative and collaborative initiatives.