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## **TENDER**

CEEweb for Biodiversity (1021 Budapest, Széher út 40., Hungary, registration no. 1634) makes this Tender for consulting services to be completed during 01/04/2017 - 30/06/2019. Organizations with knowledge on development of GIS application, geospatial data processing and maintenance with expertise in technical implementation of geoportal and experienced in improvement of an existing website are eligible to apply.

Subject of the tender: Geoportal

Summary of tasks: **Expanding and maintaining of Web-based library (<http://geoportal.ccibis.org/>) as part of the Interreg project “Integrated Transport and Green Infrastructure Planning in the Danube-Carpathian Region for the Benefit of People and Nature” (Acronym: TRANSGREEN, Project number: DTP1-1-187-3.1) throughout the project’s lifetime.**

Time horizon: The tasks should be carried out during the lifetime of the TRANSGREEN Project, from March 2017 until June 2019, preferably in a location that allows easy contact with CEEweb, Hungary, and SPECTRA – Centre of Excellence of EU, Bratislava who is leading Work Package 3 Scientific support.

Background: The website Carpathian Countries Integrated Biodiversity Information System ([www.ccibis.org](http://www.ccibis.org)) has been developed within the framework of the BioREGIO Carpathians Project funded by the EU under the ETC SEE between 2007 and 2012. The website features information related to nature conservation, protected area management, regional development etc., and geospatial data related to nature conservation issues like forests, connectivity and more, which are presented and visualized at the geoportal. The gathered information has been derived from various projects and initiatives that have been carried out under the umbrella of the Carpathian Convention. Information is in the form of both: descriptive – presented in the form of dedicated articles and geospatial – presented in the form of thematic maps at the geoportal. The CCIBIS serves partners within the Carpathian Convention sharing information and building a set of data that is useful for project planning and implementation. It is open web-service, thus any organization, institution or private person is welcome to share its data. For more information on the TRANSGREEN Project please refer to Annex I.

Tasks and activities to be performed:

### **Task 1: Maintenance and administration of the CCIBIS geoportal**

The server of the CCIBIS has to be maintained in order to provide stable and operable CCIBIS website and the geoportal with its functional scope. Functional scope covers operations on

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thematic maps publication and browsing by users. Spatial data presentation and querying in dedicated forms.

The administration tasks covers maintenance of the software, monitoring of the processes, update of the GIS and database software components (if needed), at the server side etc. Also, maintenance of the spatial data in vector format presented in the form of thematic maps. Spatial data are supported under coordinate system – WGS 84 / Pseudo Mercator (Google), EPSG:3857.

### **Task 2: Updating content & support**

The Organization is responsible for integrating data generated by the TRANSGREEN Project into the CCIBIS and support Project Partners in preparing data sets accordingly. The Organization will communicate with Project Partners on proper data formats and procedures of data preparation (if needed). Spatial data for the presentation in geoportal will be prepared by the Project Partners in the GIS format according to appendix 2.

### **Task 3: Improve performance of the CCIBIS**

The geoportal will be responsive ie. smoothly will adapt to devices on which it will run (desktop, laptop, tablet). Displaying data and generating maps with various overlays on the geoportal will be speeded up. CCIBIS will be adapted for processing big amounts of geospatial data (mainly vector datasets).

### **Task 4: Update license**

There is a need to update the license for the geoportal which was purchased from Asplan Viak Internet AS, Norway. The organization will be responsible to process steps that are necessary to buy and install the updated license.

#### **Deliverables:**

- New license purchased and installed,
- CCIBIS website and geoportal maintained throughout the project's lifetime and up to date with data generated by project activities, structured into thematic maps:
- Geospatial data derived from project activities (according to above point) verified in the context of data preparation requirements (Annex 2), and subsequently uploaded into the CCIBIS,
- CCIBIS geoportal operable with regard to speed and smoothness and new data uploaded to database and thematic maps published.

#### **Requirements for a good cooperation:**

For the successful implementation of the tasks agreed within the present document, the expert will:

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- Work closely with CEEweb for Biodiversity located in Hungary, the Work Package 3 Leader SPECTRA – Centre for Excellence of EU, Slovak University and Work Package 4 Leader State Nature Conservancy of the Slovak Republic, and the Lead Partner WWF DCP,
- Participate in relevant Work Package meetings and conference calls when required

#### Qualifications:

- Required Staff
  - Project Manager - has higher education and qualifications to carry out the GIS project. In the last 5 years, He/She led at least 3 projects aimed at the development and implementation of geospatial web-based applications that enable presentation and access to information in the form of thematic maps, based on GIS data.
  - GIS Architect - databases - has higher education, in the last 5 years participated in at least 3 GIS projects in which was responsible for the design and development of geospatial databases. He/She designed a database in PostGIS, uses UML language in design of databases, and developed at least one geospatial database with UML. He/She participated in the implementation of at least 2 geospatial applications based on client-server structure. He/She was implementing geoportal based on GIS-server using Mapserver and/or QGIS Server.
  - Geo-Administrator - has higher education, in the last 5 years participated in at least 2 projects in which was responsible for the administration and maintenance of the implemented GIS web-based application.
- Ability to participate effectively in inter-disciplinary and virtual project teams, project management, efficient listening skills, ability to build and maintain effective working relationships with colleagues and external partners,
- Excellent knowledge of English language.

#### Tender conditions and deadline:

Interested Organizations should submit a letter of intention including:

- The complete name, address or registered office of the contractor, telephone number and registration number;
- Date of the offer;
- The expiry date of the offer;
- Calculation of man days and budget to be invested to fulfill tasks and to develop deliverables.
- Information about the staff qualifications with respect to the above listed criteria.

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The offer should be signed by the person or persons authorized to act in legal transactions on behalf of the Organization.

The letter of intention should be send by email to Ágnes Zolyomi, [zolyomi@ceeweb.org](mailto:zolyomi@ceeweb.org).

Closing date for the application is **17 March 2017**.

20 A1, —

Ágnes Zólyomi

General Secretary  
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