



Republic Geodetic Authority

REQUEST FOR EXPRESSIONS OF INTEREST CONSULTANCY SERVICES

Republic of Serbia
Real Estate Management Project (REMP)
IBRD Credit No.84860

Assignment Title: Data Harmonization
Reference No. SRB-REMP-8486YF- CQS-CS-19-129

The Republic of Serbia / Republic Geodetic Authority (RGA) has received financing from the World Bank toward the cost of the Real Estate Management Project, and intends to apply part of the proceeds for consulting services.

The ultimate objective of the consultancy is to establish a basic infrastructure to enable the interoperability of spatial datasets of Serbia according to rules and technical specifications of European spatial data infrastructure (INSPIRE).

Scope of work is described in detail in tasks divided into subcomponent A, subcomponent B and subcomponent C:

- Subcomponent A - Identification existing spatial datasets, recommendations for NSDI models:
 - preparation of inventory of the spatial datasets managed by RGA,
 - preparation of inventory of the spatial datasets managed by other governmental institutions,
 - preparation of permanent URI model for different services provided by RGA,
 - preparation of recommendations and instructions related with the establishment of interoperability framework for spatial datasets.
- Subcomponent B - Preparation of transformation specifications for harmonization of spatial datasets:
 - preparation of detailed data transformation specification to harmonized INSPIRE data model for datasets managed by RGA,
 - preparation of detailed data transformation specification to harmonized INSPIRE data model for one dataset managed by other Governmental institution,
 - preparation of detail architecture plan for the extension of existing distribution system managed by RGA.
- Subcomponent C - Establishment of infrastructure to enable implementation of harmonized network services.

Expected duration of services related to the project is 10 months.

The Project Implementation Unit (PIU) of the Republic Geodetic Authority now invites eligible consulting firms (“Consultants”) to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services:

- experience and description of similar assignments
- availability of skilled staff
- CVs of key personnel and key experts.

The shortlisting criteria are following:

I. The consultant firm shall possess the following relevant qualifications:

- The consultant must have at least two (2) contracts, for the implementation and/or maintenance of the real estate cadastre systems – land registry systems, implemented in real estate sector, in countries with more than four million parcels on the territory, supported by a written reference from the end users for a successful implementation in the last 3 years (2016 – 2018);
- The consultant must have confirmed reference for Inspire services (discovery (metadata), view, download (WFS in the form of Inspire GML or an atom in the form of Inspire GML) accessible to the EU INSPIRE Geoportal with at least AD, AU, CP, BU, TN-RN, US-NET-COMMON and at least 3 of US (US-NET-EL, US-NET-TH, US-NET-TC, US-NET-SW, US-NET-WA, US-NET-OGC).
- The consultant must have at least one (1) reference in the field of INSPIRE preparation on national level where data harmonization was included.

II. The following qualifications shall be considered as an advantage:

- Specific experience and knowledge in INSPIRE data sets and harmonized download services.
- Specific experience in handling, transforming and maintaining of geospatial data.
- Specific experience in maintaining real estate data at national level especially for data quality improvement and data harmonization.

III. Experts to be provided:

a) Data harmonization expert

- Mandatory qualifications and skills
 - Implementation of INSPIRE data sets and harmonized download services on national level
 - 15 years of experience in software solutions modelling, designing and implementation
 - Implementation of the real estate cadastre with property rights registration and cadastral system are unified in a single cadastral system
 - University degree
 - Implementation of the land cadastre under the Austro-Hungarian model
 - Implementation of at least 2 GIS projects with a minimum value of EUR 500,000
- Specific professional experience, as advantage
 - Fluent in Serbian language
 - Number of GIS projects implemented
 - Familiarity with the regional real estate systems

b) GIS and database expert

- Mandatory qualifications and skills
 - Certificate for GIS solutions (ESRI certificate, etc.)
 - Certificate for Database level with Oracle Certified Professional 12c
 - Certificate for Database high availability level with Oracle RAC Certificate
 - Implementation of at least 2 GIS projects with a minimum value of EUR 500,000
 - Graphical data manipulations and transformations
 - University degree
- Specific professional experience, as advantage
 - Number of GIS projects implemented
 - Fluent in Serbian language
 - Familiarity with the regional real estate systems

c) IT expert

- Mandatory qualifications and skills:
 - University degree
 - 10 years of experience in software solutions modelling, designing and implementation
 - A minimum of 2 software projects with a minimum value of EUR 500,000 at the system architect position
- Specific professional experience, as advantage:
 - Experience in implementation of INSPIRE data sets and harmonized download services on national level
 - Experience in GIS software projects in the field of land cadastre
 - Experience in public sector software projects implementation
 - Fluent in Serbian language

The Consultant shall submit only one proposal, either individually or as a joint venture partner in another proposal. If a Consultant, including a joint venture partner, submits or participates in more than one proposal, all such proposals shall be disqualified. This does not, however, preclude a consulting firm to participate as a sub-consultant, or an individual to participate as a team member, in more than one proposal.

The following selection criteria with corresponding points will be used for the above position in the evaluation procedure:

– Specific experience relevant to the assignment	30 pts
– Qualifications for the assignment	40 pts
– Competence for the assignment	30 pts

The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank’s “*Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers*”, published by the World Bank in January 2011 (“Consultant Guidelines”), setting forth the World Bank’s policy on conflict of interest.

A Consultant will be selected in accordance with the CQS procedure set out in the “*Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers*”, published by the World Bank in January 2011, revised in July 2014.

Further information can be obtained at the address below during office hours 09:00 to 15:00 hours.

Expressions of interest must be delivered in a written form to the address below or via e-mail by **August 23, 2019, 12:00 AM**.

When submitting Expressions of interest please indicate assignment and reference number for which you are applying.

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