



Request for Proposal (RFP)

CONSULTANT - FOREST ATLAS ARCGIS SERVER SPECIALIST FOR PARAGUAY

JULY 25 2022

Organization Overview

The [World Resources Institute](http://www.WRI.org) (WRI) is a non-profit global research organization that spans more than 50 countries, with offices in the United States, China, India, Brazil, and more. Our more than 800 experts and staff work closely with leaders to turn big ideas into action to sustain our natural resources—the foundation of economic opportunity and human well-being. Our work focuses on six critical issues at the intersection of environment and development: climate, energy, food, forests, water, cities and oceans.

GFW is an interactive online forest monitoring and alert system designed to empower people everywhere with the information they need to better manage and conserve forest landscapes. Since GFW's launch in 2014, the platform has been growing rapidly to meet user needs. The Forest Atlas Platform allows users to create their own version of GFW featuring a specific location or type of data. The forest atlases are built using suite of tools which includes [MapBuilder](#), a configurable mapping application which lets users combine their own data with GFW datasets, ArcGIS Online, ArcGIS Hubs, and ArcGIS Dashboards. The atlases also typically include an open data site built using ArcGIS Hubs. For data hosting, WRI leverages ArcGIS Server and ArcGIS Portal and governments may choose to host data on WRI cloud servers or set up and manage their own dedicated servers installed on premise or in the cloud. WRI also works with government partners to set up and manage data pipelines. To date, forest atlases have been built in 9 countries by national governments and GFW partner organizations with expected growth over the coming years.

Project Overview

The WRI Forest Program is seeking a highly motivated, self-driven and detailed oriented Forest Atlas ArcGIS Server Specialist to work with the Global Forest Watch (GFW) team on a consultative basis. The Forest Atlas ArcGIS Server Specialist will assist key partners, Instituto Forestal Nacional del Paraguay (INFONA) and WRI staff in the configuration and implementation of new Forest Atlas applications – primarily focused on the development of the Paraguay Forest Atlas. The Forest Atlas ArcGIS Server Specialist will provide technical support to manage and deploy ArcGIS servers, forest atlases websites, and open data portals, and engage with the Global Forest Watch team, local partners, and government representatives on an ongoing basis.



Functional Requirements

The ultimate goal is the launch of a beta version of the Paraguay Forest Atlas, independently managed through INFONA staff, with data and server infrastructure installed and operational by trained staff at MITIC.

Main Deliverables

- ArcGIS Enterprise server successfully set up and configured with written documentation provided in Spanish
- Written guidance in Spanish on managing the server, data pipelines and webservice hosted
- Capacity building/training provided to INFONA and relevant national partners

The main areas of responsibility for this position will include the following:

- Lead the deployment of ArcGIS servers, database servers, and other IT technology in Paraguay to support the development of the Paraguay Forest Atlas
- Support data pipeline management within the server.

Server Installation and Guidance

- Configure ArcGIS Enterprise and ArcGIS Portal
- Guidance on managing the data platforms and web-portals and publishing country specific data for the Paraguay Forest Atlas and work to increase local capacity in the maintenance and management of server infrastructure and data management.
- Capacity building and training on ArcGIS Enterprise server usage and server hosting for partners based in Paraguay, either virtual or in person;
- Provide written documentation on ArcGIS Enterprise server configuration process and maintenance;
- Assist technical staff to build an atlas based on country needs through the use of WRI's MapBuilder application and Esri tools including ArcGIS Online, ArcGIS Enterprise, ArcGIS Portal, ArcGIS Hubs and ArcGIS Dashboards

Data Pipeline Management

- Set up and help manage data pipelines and GIS webservices with GIS Technical Specialist
- If necessary, maintain data layers for the Paraguay Forest Atlas and Open Data Portal by creating and updating map services, supporting data downloads, and managing scripts to generate and sync XML metadata.
- Implement workflows for improving efficiencies in data acquisition and processing and structure
- Set up data pipelines and GIS webservices
- Connect webmap to Posgresql database



Project Timeline

4-6 weeks expected timeline

Proposal Deadlines

Proposals shared with prospective vendors	August 26 2022
Written questions from vendors provided to WRI	September 23 2022
Responses provided back to vendors (and shared with all vendors)	September 30 2022
Proposals due	October 10 2022
Follow-up Q&A with vendors (if warranted)	October 14 2022
Vendor selected	October 28 2022

All expressions of interest must be received via email to the contact below by **October 10, 2022, 5:00pm EDT** (Washington, DC). Answers to submitted questions will be shared with all parties. All correspondence should be addressed to:

Gabrielle Nussbaum
Manager, Global Forest Watch
Gabrielle.nussbaum@wri.org

All proposals must be received no later than **October 10, 2022, 5:00pm EDT** (Washington, DC) in electronic format.

Format of Proposals

Prospective vendors should submit proposals that are no more than 25 pages in length. Proposals should address the following components:

- Background on the vendor to include details on the vendor's size, representative client list, spectrum of services provided, and areas of expertise
- The vendor's unique interest in, and fit for, this project
- Approach and deliverables provided according to the Services mentioned above
- Project management approach and capabilities, along with a representative (but complete) project timeline and workplan
- Detailed budget breakdown according to the Services mentioned above



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- Suggested team members and capabilities that make them particularly suited to this effort
- Relevant case studies and results from past work
- At least two references

Evaluation Criteria

The following elements will be the primary considerations in evaluating proposals submitted in response to this RFP:

- Experience with ArcGIS Enterprise, ArcGIS Online and other Esri systems
- Experience in giving trainings and capacity building
- Experience with providing clear documentation and guidance
- Knowledge of English required, Spanish preferred
- Experience working with INFONA preferred
- Ability to provide stated requirements and services
- Ability to complete the project by the stated deadline
- Completeness and thoughtfulness of proposal
- Project management approach and capabilities
- Cost effectiveness

Selection Process

No proposal development costs shall be charged to WRI. WRI may, at its discretion and without explanation to the prospective vendor, choose to discontinue this RFP without obligation to such prospective vendor or make multiple awards under this RFP.

Contact Information

Questions about the project should be directed to:

Gabrielle Nussbaum, Manager
World Resources Institute, Washington DC.
Email address gabrielle.nussbaum@wri.org