



The Oka' Institute at East Central University focuses on practical water solutions by building sustainable communities, promoting environmental benefits through land stewardship, seeking balanced water policy, and innovating in science-based water research.

Request for Qualifications – Lake Texoma Geospatial Viewer

Project Overview:

The Oka Institute at East Central University is currently in the process of developing an online mapping tool/geospatial viewer and decision-support tool to enhance our data visualization and analysis capabilities in order to engage stakeholders and provide information and data that is relevant to the Upper Red River (Lake Texoma) watershed. The Lake Texoma Watershed Project focus' on working collaboratively with stakeholders to address water quality issues and concerns across the Upper Red River watershed that have a direct and indirect impact on water quality at Lake Texoma. Part of the project includes outreach and education for stakeholders in the region. The geospatial data tool/viewer will be a method to allow stakeholders access to information, data, and analysis related to the various characteristics of demographics, economics, land use, ecology, water supply, water use, issues, policy, and other relevant information that helps stakeholders explore the complexities of the watershed. The primary objectives of this project are as follows:

1. Develop a user-friendly geospatial viewer capable of visualizing and analyzing geographic data efficiently.
2. Integrate various data sources, such as satellite imagery, GIS data, and real-time data feeds, into the viewer.
3. Provide interactive features to enable users to explore and manipulate the geospatial data effectively.
4. Provide on-the-fly analysis to compare data over time
5. Provide simple reports and pintables through the tool
6. Ensure compatibility across different platforms (web, mobile, desktop) and browsers.

Request for Qualifications:

To assess your organization's suitability for this project, we kindly request that you provide us with the following information:

Company Profile: Please provide a brief overview of your organization, including its history, core competencies, and previous experience in developing geospatial applications or viewers.

Project Experience: Describe any relevant projects you have completed that demonstrate your expertise in developing geospatial viewers or similar applications. Include project scope, technologies utilized, and outcomes achieved.

Technical Expertise: Provide information on your technical team's qualifications and experience in geospatial technologies, such as GIS software, mapping libraries, geospatial databases, and web development frameworks. Please detail experiences related to the project area (Lake Texoma) as well as familiarity with watersheds, ecoregions, and data provided in Texas and Oklahoma.

Methodology and Approach: Outline your proposed approach to developing the geospatial viewer, including key methodologies, tools, and frameworks you plan to utilize. Highlight any unique features or innovative solutions you can offer.

Client References: Please provide contact information for at least three clients who can serve as references for your previous geospatial projects. Include their organization name, contact person, email address, and phone number.



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Estimated Timeline and Budget: Provide an estimated timeline for completing the project, along with a high-level breakdown of the budget, including anticipated costs for development, testing, deployment, and ongoing support/maintenance.

Hosting options and Decision-Support Tool transfer: The final tool and data layers are to be wholly owned and operated by the Oka Institute. Please provide the needs or recommendations for the hosting of the tool during and after development and the details of how the data and tool will be transferred to Oka.

Submission Details:

Please submit your response to this Request for Qualifications no later than **May 30th, 2023**. Include the phrase "Lake Texoma Geospatial Viewer RFQ" in the subject line of your email. Any additional relevant materials, such as case studies or portfolio samples, are welcome as supplementary documentation. We will review all submissions and shortlist qualified candidates for further evaluation. If shortlisted, you may be invited to participate in subsequent stages of the selection process, such as interviews or presentations.

Should you have any questions or require further clarification, please do not hesitate to contact us at ahays@ecok.edu. We appreciate your interest in working with our organization and look forward to receiving your qualifications.

Sincerely,

Amy Hays

Assistant Director of Development and Outreach

Oka' Institute at East Central University



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