



Request for Proposal

STAC Browser v3

This RFP is to advance [STAC Browser](#), a popular tool in the STAC ecosystem, with additional functionality. Our primary goal is to expand the number of core contributors to STAC Browser, so we seek to fund one or more individuals to improve STAC Browser with additional functionality, improvements and/or bug fixes. This will be for a fixed amount (\$8,000 USD) and we seek proposals for what work will be achieved within that budget. All work is expected to be against [STAC Browser v3](#), which is soon to be released as a first beta version - see [this blog post](#) for more information.

Timeline

RFP Announced: March 16th

Responses Due: April 1st

Send proposal and any questions on the RFP to: The STAC Project Steering Committee - stac-psc@radiant.earth

STAC Overview

The [SpatioTemporal Asset Catalog \(STAC\)](#) specification is an open standard that provides a common language to describe a range of geospatial information, so it can more easily be indexed and discovered. A 'spatiotemporal asset' is any file that represents information about the earth captured in a certain space and time.

It is governed by a Project Steering Committee, and last year achieved a 1.0.0 specification release. The core specification is now quite stable, with additional effort underway on particular 'extensions' that describe a wider range of assets. The community is mostly working on building out an extensive ecosystem of tools that use the specification.



STAC Browser v3 RFP

Background

STAC Browser is a key foundation of the STAC ecosystem, providing great visualization of any STAC Catalog. The codebase (js + Vue.js) was stretched in several different directions and became hard to add new functionality to. Last year Matthias Mohr started rewriting it from the ground up, in the [v3 branch](#), to be a cleaner, feature-rich and more extensible codebase. So far that effort has been him working alone, and our hope is that this funding enables new contributors to get experience with the codebase so that they could take on additional funded work. This is a great opportunity for an individual or consulting company to build up expertise in STAC Browser, and likely will lead to follow-on opportunities from users in the STAC ecosystem.

Submissions

Proposal submissions should propose a plan of what they will work on. This could be one or two 'big' features, or it could be a set of issues represented in the issue tracker that touch a wide range of the code base. The exact plan should be guided by the submitter's interests and capabilities.

Objectives

1. As stated above the main objective is to enhance STAC Browser, helping advance it towards release and providing additional functionality.

Within that broad scope there are a number of potential objectives that could be tackled. Most of these are represented in the STAC Browser Issue Tracker, with the ['help wanted' tag](#).

Additional functionality proposals are also welcome, though we recommend adding them to the issue tracker as well as proposing here.

In the following list you can find a grouped list of potential tasks:

- Documentation improvements (e.g. [#66](#) und [#68](#))
- Mapping and STAC Layer related issues (e.g. [#12](#) and [#92](#), but also [any issue reported for stac-layer](#))
- Support for other file formats and data sources (e.g. [#81](#), [#83](#) and [#113](#))
- Localization and Internationalization (e.g. [#123](#))
- Integration with other software and help users to get started (e.g. [#114](#))
- Better support for extensions (e.g. [#115](#), but also [migrating STAC extension in stac-migrate](#))



- API improvements (e.g. [#14](#), [#128](#))
- Machine-readability / SEO for Google, Twitter, Facebook etc. (e.g. [#77](#), [#78](#))

This is a proposal for groups of related tasks, but you can combine any tasks you wish to accomplish.

Proposal Requirements

The main part of the proposal should be a description of the work proposed. This should ideally consist of a narrative, explaining why the set of work makes coherent sense and what it is working to, as well as links to the issues in the STAC Browser project in github.

The other most important part of the proposal is your experience with javascript, vue.js, STAC and open source software development. Experience with javascript is essential, and vue.js and open source experience is recommended though not required. STAC is a bonus, but not required so don't hesitate to propose if you do not already have deep experience with it. Please do include links to your past work - ideally your github profile and relevant projects, but if you don't have open source experience you can include a summary and samples of your work. You should also indicate if you'd be open to future funded projects on STAC Browser, as our hope is that initial funding enables a new individual and/or company to take paid work to advance the project.

In addition to your main narrative of proposed work and your experience, please include the following in your proposal response:

- Overview of you and/or your company.
- Scope of your work and milestones.
- Proposed timeline from kickoff to contract completion.
- Any key differentiators about you?
- Terms & conditions.

We look forward to your proposal!