

# Land Portal Open Data Website Admin

**Date of issue:** 11/28/2013

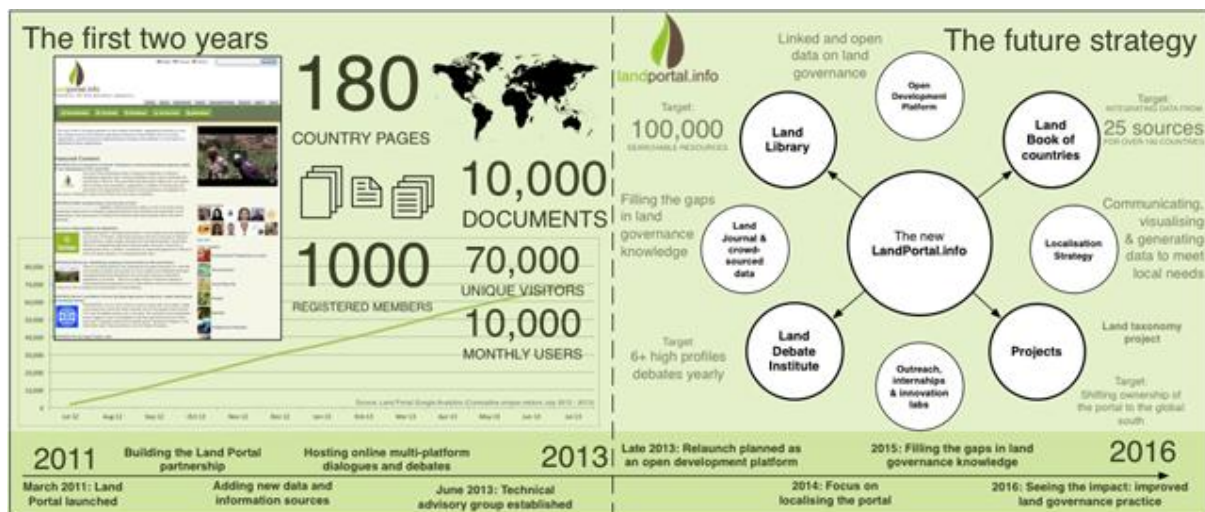
**Deadline for applications:** 12/20/2013

**Organization:** International Land Coalition

**Duty Station:** can be based anywhere

**The Land Portal was launched in March 2011 as a global hub for access land information.** The Portal allows for the collection, sourcing, and searching of otherwise fragmented and inaccessible data and information on land governance and land use from diverse sources, produced by governments, academia, international organizations, indigenous peoples and NGOs. Besides documenting land rights, the Portal also encourages social information exchange, debate and networking. By combining public data, published information, and first-hand knowledge, the portal has built strong foundations as the online destination for land information.

The Land Portal is a partnership project with a steering committee composed of six organisations and networks from the Land Governance community<sup>1</sup>, and bringing together content from over 70 partner organisations. For 2013 - 2016, the Land Portal has set out an ambitious new strategy to become **an open development platform**, working to improve land governance to the benefit of those with the most insecure land rights and the greatest vulnerability to landlessness.



<sup>1</sup> International Land Coalition (ILC), International Fund for Agricultural Development (IFAD), Food and Agriculture Organization (FAO); AGTER, Instituto de Estudios del Hambre (IEH), Action Aid (AA) and the International Alliance on Land Tenure and Administration (IALTA).

A new website is under development that will replace the existing Land Portal website over the course of spring 2014. That is where you come in.

## The Role

We are seeking a multi-skilled technical lead to manage the transition of the Land Portal from its first version as a Drupal 6 website, to its future as a Open Data and Linked Data driven platform, based on Drupal 7, CKAN (data catalogue) and Virtuoso (linked data triple store). You will ensure that the Land Portal continues to develop as the leading source of information and data to support improvements in land governance across the globe.

You will be working in an international environment, with a network of colleagues both in-person and virtually. You will be responsible for (i) managing technical aspects of the content of the current and future Land Portal site (in partnership with other content-providing members of the team); (ii) working on technical data integration tasks to prepare new sources of data and information to feed into the new Land Portal; (iii) acting as a focal point within the Land Portal Coordination Unit during the redevelopment, and working with the technical contractors who will deliver the new portal.

In particular, you will:

**(i) Ensure good performance** of both current Drupal 6 and the New Land Portal platform. This will involve ensure security update and regular backups are taken; provide immediate response to website failure; ensure optimization and bug fixes of the website; perform minor code optimisation and adjustments to the website to improve user experience if necessary.

**(ii) Qualitative and quantitative open data integration:** The Land Portal acts as a hub to bring together a range of land-relevant data sources. The new Land Portal will do it through a Linked Open Data approach. You will manage all technical aspects of Land Portal qualitative and quantitative data integrations. Working within a framework provided by our technical partners, you will develop and deploy integration mechanisms and will fine tune integration of existing resources to make them functional and consistent with the overall Land Portal layout, and identifying opportunities for greater data integration<sup>2</sup>.

**(iii) Act as focal person during the redevelopment process of the Land Portal:** participate in technical meetings; participate in beta testing and provide the coordination unit with technical support and inputs when needed.

## Candidate profile

The ideal candidate will:

1. Have a University Degree in computer science or a similar discipline;

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<sup>2</sup> For example, you may write or modify scripts that import different datasets providing statistics on land and land governance in different countries, converting these to Linked Open Data, mapping each to common country codes and vocabularies; followed by creating configurations to display this new data on the Land Portal site.

2. Have strong knowledge of the core principle of open data, Linked Open Data and visualization;
3. Have experience in developing websites and using CMSs with proven, documented experience in Drupal management, customization and theming;
4. Have proven, documented experience in programming, and the ability to learn new tools;
5. Have worked as tech leader in a non-tech team;
6. Have worked with external service providers;
7. Be a fluent English speaker; Spanish and French speaking would be an advantage too;
8. Have authorization to work in EU countries;
9. Be a team player, able to work independently within a defined framework;
10. Proactively approach the daily challenges which arise;
11. Have worked in an international environment.

## Knowledge/Technical Skills

The following specific technical skills are required:

Essential	Desirable	Nice to have
MySQL & PostgreSQL: BBDD management and optimization, access control and security	Python	Semantic Web vocabularies and ontologies
CMS persistence	Git and GitHub	RDF and serializations (rdf/xml, n3, turtle, RDFa)
LAMP stack (experience Linux, Apache, My-SQL, PHP)	TripleStores: Virtuoso, 4store	Linked Open Data
Drupal 6 (current site) and 7 (new one): user management, content management, multi-language support, modules set up and customization, etc.	Apache configuration (mod_rewrite, mod_alias, URI schemes, multilanguage)	RESTful APIs, XML, JSON, Web Services and Web scrapping
	Drupal themes and templates	Pylons and SQLAlchemy
	SQL & SPARQL	HTML5 and CSS
		Accessibility and Usability
		Visual design

		BootStrap
		JavaScript, D3.js, JQuery

**Reporting**

The consultant will be working under the direct supervision of relevant ILC staff.

**Position**

This position will be staffed on a consultancy (freelance) basis between January 2014, to April 2014 with possibility of extension. The consultant can be teleworking from any locations.

Remuneration will depend on experience and will be based on the assessment provided by ILC through the IFAD hosting.

**Other information**

Candidates wishing to be considered for this work should send their CV and coverletter to: Laura Meggiolaro – Land Portal Coordinator [laura.meggiolaro@landportal.info](mailto:laura.meggiolaro@landportal.info) by **December 20th**.

In the interest of making most cost effective use of funds and resources, we are only able to respond to applicants who are short-listed. Candidates who do not receive any feedback within three months should consider their application unsuccessful.

Candidates may be required participate in interviews or other assessments