

## Vacancy Spatial Data Infrastructure (SDI) specialist/developer

### WE ARE LOOKING FOR

*Does making (soil) data available to users all over the globe sound like an exciting task? Do you want to work with modern ICT infrastructures using open source and free software? Are you willing to help scientists and research staff at ISRIC with their data handling tasks? Then this could be the ideal job for you!*

To strengthen our team, we are hiring a Spatial Data Infrastructure specialist. In this ambitious role you will contribute to the development of ISRIC's Spatial Data Infrastructure and to a number of ongoing projects, such as ISRIC's [World Soil Information Service](#) (WoSIS), [SoilGrids](#) and the Global Soil Information System ([GLoSIS](#)). In our team you will have the opportunity to further advance your passion for information and data management.

The most important tasks in this role are:

- Deployment of OSGeo suite into Kubernetes clusters
- Development of REST API
- Programming and server administration tasks
- Administering Linux systems
- Support and develop new ideas for improving workflows within ISRIC projects
- Support ISRICs technical cooperation with national soil information institutes and global institutions, such as FAO.

To be successful and grow in the role we expect you will recognize yourself in the following profile.

### WE ASK

- MSc degree (or higher) in computer sciences, geoinformatics, **or** in environmental sciences with good demonstrable experience on the job topics.
- Experience using OSGeo suite and FOSS4G applications, such as: GeoNetwork, GeoServer/MapServer, PostGIS
- Proficiency in using and administrating Linux Operating System
- Experience with application containerization (Docker) and deployment on Kubernetes clusters and on cloud infrastructures
- Good understanding of OGC web service standards: WMS, WFS, WCS, WCS and the OGC API family of standard (Rest API)
- Programming skills using Python or R;
- Experience in developing Rest API and microservices architectures (preferably with Python);
- Communication skills to support you and ISRIC clients to deliver the necessary products or results;
- Proficiency in spoken and written English

It would be beneficial but not required to also have these skills

- Geo-computational skills using R/Python/shell scripting with OSGeo software (raster and vector operations);
- Experience with parallel programming, HPC processing, cloud computation;
- JavaScript development especially using Vue.js and NodeJS frameworks
- Working knowledge of Dutch

## **WE OFFER**

A challenging role in an international working environment with a diverse, experienced and motivated team at a renowned institute based on the campus of Wageningen University. You will be embedded in larger team of software developers connected to the Environmental Science Group of WUR, strongly focusing on IT innovations for environmental challenges.

Furthermore, we offer, depending on your experience, a competitive salary from a minimum of € 3491 to a maximum of € 5127 based on a full-time appointment (38 hours per week) in accordance with the [Collective Labour Agreement Dutch Universities](#) (scale 10-11).

In addition, we offer:

- 8% vacation allowance;
- a fixed year-end bonus of 8,3%;
- ample possibilities to further develop your technical or personal skills, because we believe lifetime learning is important;
- flexible working hours and holidays can, in consultation with colleagues, be settled in such a way that an optimal balance between work and private life is possible;
- an excellent pension scheme through ABP;
- 232 holiday hours, with the possibility to purchase good additional leave arrangements;
- a flexible model to arrange part of your employment conditions yourself, such as a bicycle plan;
- access to the sports facilities on campus for a small fee;
- the position will be a full-time position for a period of 2 years, with a prospect of extension for another 2 years. A part-time assignment of 4 days per week is negotiable.

ISRIC stimulates growth opportunities and mobility with an active internal recruitment policy. There are ample opportunities for own initiative in a learning environment.

We offer an exciting position with varied activities in a dynamic, pleasant, international, and open work environment.

## **Coming from abroad**

We are located at the campus of Wageningen University and Research, dealing with themes relevant to everyone around the world and Wageningen, therefore, has a large international community and a lot to offer to international employees. Applicants from abroad moving to the Netherlands may qualify for a special [tax relief](#), known as the 30% ruling. Our team of advisors on Dutch immigration procedures will help you with the visa application procedures for yourself and, if applicable, for your family.

Feeling welcome also has everything to do with being well informed. Wageningen University & Research's [International Community page](#) contains practical information about what we can do to support international employees and students coming to Wageningen. Furthermore, we can assist you with any additional advice and information about helping your partner to find a job, housing, schooling, and other issues.

## **MORE INFORMATION**

For further information about this position please contact Rik van den Bosch, Director ISRIC, via e-mail: [rik.vandenbosch@isric.org](mailto:rik.vandenbosch@isric.org) or phone +31 317 481 713.

For more questions about the application procedure please contact Edgar Tijhuis, corporate recruiter, [edgar.tijhuis@wur.nl](mailto:edgar.tijhuis@wur.nl)

## **Do you want to apply?**

This can be done directly via the application button at the vacancy on our website so that we can process your personal data with your permission. This vacancy is open until **9 June 2021**. We want to plan the first interviews soon afterwards.

## **Equal opportunities employer**

We are an employer that offers equal opportunities. We are happy to receive applications from all suitably qualified people regardless of race, gender, functional impairment, religion / belief, sexual orientation or age. We believe that a diverse and inclusive working environment makes us a more relevant, competitive and resilient organization. [You can read more here](#) about working at WUR with a functional impairment.

## **WE ARE**

About ISRIC — World Soil Information

Delivering information and expertise about the soils of the world is our focus. We build open information and knowledge products and deliver training in the field of soil information management. Through these activities, we contribute to



sustainable soil and land management, which is important for food production, biodiversity conservation, water management and climate change mitigation.

[ISRIC – World Soil Information](#) is an independent foundation based in Wageningen, The Netherlands. ISRIC has a mission to serve the international community with information about the world's soil resources to help addressing major global issues. ISRIC is the International Council for Science (ICSU) accredited World Data Centre for Soils (WDC-Soils) since 1989 and it maintains the World Soil Museum. In partnership, ISRIC operates in four priority areas: (i) standard setting for soil information; (ii) production of spatial soil information products; (iii) education and capacity building and (iv) development of derived products and services.