



IHE Delft is the largest international graduate water education facility in the world and is based in Delft, the Netherlands. The mission of IHE Delft is to work in partnership to strengthen capacity in the water sector, to achieve global sustainable development. IHE Delft has a permanent staff of 200 of which more than 100 are academics from all over the world, while about 250 guest lecturers from academia and industry contribute to our educational programme. Each year 750 professionals (including about 200 new MSc students per year) attend courses at IHE Delft. The Institute has an international

staff & student community with English as the working language.

### Land and Water Management Department

The Land and Water Management Department's aims to add value to (human) managed land-water systems through monitoring, assessing, understanding and anticipating the impact of intervention and change. The Department cover a broad range of disciplinary knowledge, across the physical domains of water-land-environment, the policy and management domains of linking information to action and decision-making, and the technology and society domains, looking at technological innovations in land and water that can support societal development.

## Two (Senior) Lecturers/researchers in Irrigation Engineering 1.0 FTE/ 38 hours

### Responsibilities

The new staff members will join the Water & Agriculture group, which is primarily concerned with education and research in agricultural water management for food security and sustainability. This includes smallholder and farmer-led irrigation and the management, and modernization of irrigation systems.

We are looking for new staff members with expertise in the field of irrigation design and modernisation. More specific expertise is welcomed in a variety of areas, including innovations in agricultural water use, institutional and financial aspects of the operation and maintenance of irrigation systems; environmental impacts of water management for agriculture; new approaches to water management for food security and sustainability; and irrigation performance assessment. The new staff members will have teaching responsibilities in his/her area of expertise and will be expected to supervise MSc and PhD students and implement research and capacity development projects.

### Requirements

- PhD degree in Irrigation Engineering, Agricultural Engineering or Civil Engineering or in a related field;
- Advanced skills in the design, management and modernization of irrigation & drainage systems;
- In-depth interdisciplinary understanding of social, institutional, technical and biophysical aspects of water management for agriculture;
- Knowledge of contemporary debates on irrigation development, water for food security, sustainable intensification of agriculture and access to water for poverty alleviation;
- Proven ability to conduct research projects and a record of peer-reviewed publications;
- Competency in project management and potential for new project and research grant acquisition;
- Experience and great affinity with university teaching, preferably at the post-graduate level;
- Affinity to working in a multidisciplinary and multicultural environment;
- Excellent command of English;
- Willingness to frequently travel and work abroad for short term assignments.

### Terms of employment

IHE Delft offers an attractive, multiple choice employee benefits scheme, year-end bonus and generous pension scheme. The appointment implies entry into the Netherlands' Civil Service Pension Fund (ABP). We also offer 31 days' leave based on a 38 hours working week.

### Information and application

Additional information can be obtained from Prof Charlotte de Fraiture, chair of the Water and Agriculture group ([c.defraiture@un-ihe.org](mailto:c.defraiture@un-ihe.org)).

Applications (in English) should respond specifically to the requirements and should be sent before **31 January 2021 (closing date)** including curriculum vitae, statement of teaching and research interests, motivation letter and the names and contact details of two contactable referees (*as one PDF file with your family name as the filename*), to IHE Delft, attn. Human Resource Management at [recruitment@un-ihe.org](mailto:recruitment@un-ihe.org) , stating vacancy-number **20-LWM-03**.

*Reactions from staffing agencies and other 3rd parties are not appreciated.*