



UNITED NATIONS  
UNIVERSITY

**INTERNATIONAL RECRUITMENT  
Dresden, Germany**

**VACANCY ANNOUNCEMENT  
(Re-advertised)**

**CONTENT DEVELOPMENT CONSULTANT (HOME BASED)  
For E-learning course on the Evaluation of Thermal Water in  
Water Resources Assessment  
(Consultant Contract - CTC)**

**Organizational Unit** : United Nations University Institute for Integrated Management of Material Fluxes and of Resources (UNU-FLORES)

**Reference Number** : 2014/UNU/FLORES/CTC/CDC/ETW/05

**Applications to** : [hrflores@unu.edu](mailto:hrflores@unu.edu)

**Closing Date** : 16 February 2014

**United Nations University Objectives:**

The UNU is an international community of scholars engaged in research, postgraduate training and the dissemination of knowledge in furtherance of the purposes and principles of the United Nations, its Peoples and Member States. The University functions as a think tank for the United Nations system, contributes to capacity building, particularly in developing countries, and serves as a platform for new and innovative ideas and dialogue. For more information please visit <http://unu.edu>.

**United Nations University Institute for Integrated Management of Material Fluxes and of Resources (UNU-FLORES):**

The mission of UNU-FLORES is to contribute to the development of integrated and sustainable management strategies for the use of water, soil and waste resources in particular in developing and emerging countries in scientific, educational, managerial, technological and institutional terms. Potential issues of focus include: urban water management, nutrient cycles and budgets, methods for reclamation and rehabilitation of degraded sites, site-specific river-basin scale water management; interaction of land use management and water inventory under differing climate conditions, efficient site-adapted waste management strategies, among others. The Institute will develop innovative concepts for target- and region-specific knowledge transfer as well as appropriate methodologies and approaches for postgraduate and professional education. The Institute is located in Dresden, Federal Republic of Germany. For more information please visit <http://flores.unu.edu>.

## **E-learning Course on the Evaluation of Thermal Water in Water Resources Assessment:**

The online course “the evaluation of thermal water in water resources assessment” is developed by UNU-FLORES to assist hydrologists, hydrogeologists, geochemists and water resource managers who may not have an initial aim to develop geothermal resources in acquiring basic knowledge and skills to deal with geothermal water and estimate the sources and flowpaths, among others, in hydrological investigation. A variety of approaches have been used to examine geothermal resources, such as geophysical, hydrogeological, geochemical and isotopic approaches, but they differ in many aspects, including necessary technical skills and time and financial requirements. The course is designed to enable researchers and managers engaged in water resources assessment to evaluate thermal water with a solid technical basis and to integrate the results into the studies of water cycle. The course is to complement the evaluation of water cycle in line with the mandate of UNU-FLORES, an interdisciplinary approach to the system and fluxes of environmental resources with a goal to present management options.

The course will consist of self-learning, exercises, visual presentation of techniques, case studies, assessment, and online discussions, covering geophysical, hydrogeological, geochemical and isotopic approaches, among others. The duration of the course will be ten (10) weeks or a set of introductory and advanced courses of ten (10) weeks in total. The final format of the course will be determined in consultation with the consultant and other partners.

### **Responsibilities:**

The main objective of the position is to develop content for the e-learning curriculum through the tasks as below. The consultant will submit a draft and final curriculum package to UNU-FLORES which contains a list of the titles of modules, a principal objective of each of the modules, and the required time, followed by modules with [a] abstract, [b] lecture note, [c] tables/figures/pictures/videos or links to these resources, [d] exercises and solutions, and [e] assessment questions and solutions, and case studies, the resources (reading, audio or visual materials) for further learning, references and sources of information, if appropriate, and a recommended format of delivery. A final curriculum package is to be prepared, incorporating necessary revisions following the initial review by the UNU-FLORES, before the final review and evaluation of the final package. The initial and/or final review of the curriculum package will be conducted with assistance by the UNU-Geothermal Training Programme (UNU-GTP), a postgraduate programme specialised in teaching and training for geothermal exploration and development, based in Reykjavík, Iceland.

Under the authority of the Director of UNU-FLORES and direct supervision of the Academic Officer - Water Resources Management, the successful candidate shall undertake the following tasks:

- Review the proposed outline, suggest any changes to improve the course and agree on the revised outline with principal objectives of modules;
- Develop the course consisting of multiple modules agreed;
- Prepare tables, figures, pictures or videos, if appropriate;
- Develop exercises and solutions;
- Develop assessment questions and solutions;
- Select case studies and develop the presentation and, if appropriate, exercises and solutions related to the cases selected;
- Compile the resources (reading, audio or visual materials) for further learning;
- Review the overall quality of the e-learning curriculum content and submit a draft curriculum package;
- Respond to comments by reviewers and incorporate necessary revisions into the draft package and submit a final version of the curriculum package;
- Perform other tasks as requested by the supervisor.

**Required Qualifications and Experience:**

- A PhD in hydrology, hydrogeology, geological sciences, or natural sciences or engineering related to water resources. Candidates with a Master's degree and ten (10) years of professional work experience in a related area would also be considered. In addition, an accredited certificate related to geothermal resources would be a high advantage;
- Minimum three (3) years of professional work experience in examining geothermal resources, including the evaluation of geothermal water. The experience in the application of different approaches, including hydrogeological, geological, geochemical and isotopic techniques, etc., would be highly desirable. The experience in the evaluation of geothermal resources in developing or emerging countries is an advantage;
- Professional experience in providing education and training and developing the curriculum;
- Proven research background and written skills in areas related to hydrological processes and geothermal resources;
- Professional experience in presenting a summary of the activities and discuss with relevant parties;
- Excellent oral and written communication skills in English are required;
- Ability to work within agreed timelines.

**Remuneration:**

Remuneration will commensurate with qualification and experience of the successful candidate.

**Duration of Contract:**

The successful candidate shall work remotely under the Consultant Contract (CTC) for a fixed period of three (3) months for the above-mentioned project. No consultant shall provide services for more than twenty-four (24) months in a thirty-six (36) –month period.

The successful candidate will not hold international civil servant status nor be a “staff member” as defined in the United Nations Staff Rules and Regulations. UNU does not sponsor a working visa for this position.

Applications from suitably qualified woman candidates and those from developing countries are particularly encouraged.

**Starting Date:** As soon as possible.

**Application Procedure:**

Interested applicants should submit their applications by email (to [hrflores@unu.edu](mailto:hrflores@unu.edu)), and must include the following:

- a cover letter setting out how the qualifications and experience match the requirements of the position;
- a curriculum vitae and a completed and signed [UNU Personal History \(P.11\) form](#) downloadable from the [UNU website](#). Please avoid using similar forms provided by other United Nations organizations;
- full contact information of three (3) referees; and
- the subject of email application should be: Last Name\_2014/UNU/FLORES/CTC/CDC/ETW/05.