



United Nations  
Educational, Scientific and  
Cultural Organization

# Call for candidates

## Short Course: Introduction to Wastewater Treatment Modelling using a Free Software (STOAT) for the hands on.

Ref. 02/016

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Organisational unit: **UNESCO Windhoek Office**

Ref. 02/016

Venue: Windhoek, Namibia

Period: 03/06/2014 – 11/06/2014

Closing date First come, first served (Only 15 Fellowships available)

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**Overall objective:** Member States/Institutions (Universities, Colleges, Water Departments)/People (Water professionals, Students, etc.) are using/developing (innovation) Free and FOSS in the effective wastewater treatment area in their respective countries [For more information visit [HOPE Initiative](#) web page].

**Specific objectives:**

- Improvement of skills, knowledge and attitudes of professional working in the water area;
- Facilitating exchanges of experiences between professionals facing similar issues and problems in their professional capacities;
- Enhancing and strengthening relationships among these professionals and between them and UNESCO;
- Adapting and improving the approaches and contents of courses on the basis of the experiences and practices of professionals working in developing countries; and
- Exploring opportunities for establishing and/or strengthening local and regional knowledge networks for capacity building in the water sector.

Within the framework of the IHP programme and with the support of the HOPE Initiative [<http://www.hope-initiative.net>] UNESCO conducts a wide range of short, intensive and highly specialised courses which are aimed at upgrading and refreshing the knowledge and skills of Technicians, Scientists, Engineers and mid-career professional.

Indeed, HOPE will capitalize on existing education, training and capacity building activities in the water sector, but also strived to bring about new activities that were identified by the government and intergovernmental institutions being priority and demand driven.

This activity is a follow-up to the “TVET in SADC Monitoring Progress and Revitalizing Actions” workshop that took place at Stellenbosch University from the 26 to the 29 November 2014 [<http://www.hope-initiative.net/blog/tvet-in-sadc-monitoring-progress-and-revitalizing-actions/>].

The aim is to stimulate cooperation in research and development of Hydro Free and FOSS to increase scientific outputs, and to enhance their dissemination.

**Content**

- *Introduction to water quality and Wastewater treatment;*
- *Introduction to modeling, Models, fractioning, mass balance etc.;*
- *General description of STOAT functionality;*
- *Applications of STOAT modeling: Overview of using STOAT to build and run a model [Constructing a model, Sizing, Running, Outputs];*
- *Exercise (hands on) – Activated sludge model.*

**First come, first served**

Please note that we have a strict first come, first served policy. It might be the case that a course is fully booked before the registration deadline. Therefore we advise you to register for the course as early as possible.

## Fellowships

Candidates need to **sign in** and access the application form at <https://www.facebook.com/UNESCO.HOPE.Initiative> to apply for the course - Fill out the form (including information on data you have access to) and attach your CV. to your application. Please, send your application to Mrs. Emmarentia Irion at [e.irion@unesco.org](mailto:e.irion@unesco.org) **with Ref. 02/016 on the subject.**

By selecting 'UNESCO' in the question 'how do you intend to finance your participation to the training', the Alumni will automatically apply for HOPE – UNESCO grants. These grants include meals, accommodation (when applicable) and free access to the training sessions [registration, trainers' tuition and fieldtrips costs (when applicable)].

## Admission Criteria and Grant Eligibility

Professionals can apply for a grant to attend the training if they fit the following criteria:

- Candidate should have knowledge in the relevant field of the course, some years of working experience and excellent knowledge of English;
- Candidate has to be a national of, or work and live in Namibia and;
- His/her application is endorsed by their employer or by [Prof. Damas Alfred MASHAURI](#) from the Polytechnic of Namibia.

## Selection Procedure

UNESCO makes a selection based on the background, skills, availability and access<sup>1</sup> to local quality data for the hands on and the modeling step. As soon as the course is fully booked, UNESCO informs the Alumni by email about the outcome of the selection.

## UNESCO Priority Gender Equality Action

The UNESCO Priority Gender Equality Action Plan II provides a road map to translate UNESCO's policy commitment to "Priority Gender Equality", into specific actions and outcomes by adopting a concerted and systematic gender equality perspective. In this context, all efforts will be made to ensure, when it is possible, that 50% of the selected candidates are females.

## Examination

Alumni have to take part in the examination of the training. If they obtain a passing mark and submit their modeling project report (only in the case where modeling was part of the training), they will receive a certificate of attendance for the course.

We will consider applications until the course is fully booked. Please send your application to Ms. Emmarentia Irion at [e.irion@unesco.org](mailto:e.irion@unesco.org) **with Ref. 02/016 on the subject.**

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<sup>1</sup> Each candidate has to bring his own data that he is involved with, in the field.