

# HANDS-ON TRAINING PROGRAM ON GROUNDWATER FLOW MODELLING

*Jointly organized by*



DHI, New Delhi & KSCSTE-CWRDM, Kozhikode



KSCSTE - CWRDM  
ISO 9001-2015

## INTRODUCTION

**FEFLOW** is widely recognized as a comprehensive software package for subsurface flow and transport simulation. FEFLOW's unique meshing capabilities (structured and unstructured) allows for the highest degree of flexibility to account in detail for the simplest to complex geometrical configurations. The software is used by leading research institutes, universities, consulting firms and government organizations all over the world. FEFLOW's scope of application ranges from simple local scale to complex large-scale modelling. Application areas include water management, mine water, saltwater intrusion, geothermal energy, and variably saturated media. This 2-day, hands-on course gives you an introduction to FEFLOW and its capabilities for modelling of groundwater. The aim is to enable you to create, edit and run basic groundwater models and to analyze and present the simulation results. The course also covers details of 2D, and 3D flow and mass transport.



**May 15-16, 2024**

**10 AM - 5PM**



**KSCSTE - CWRDM,  
Calicut**

*\* Lectures and training material are in English*

**Register here**

<https://forms.gle/jGEvsUYcZ391fS546>

**on or before 13<sup>th</sup> May 2024**

## COURSE TOPICS

- Introduction to FEFLOW and its graphical user interface
- Creating 2D and 3D mesh geometries
- Setting up flow models with confined and unconfined aquifers
- Setting up mass-transport models
- Setting up steady-state and transient models
- Usage of GIS/CAD data interfaces and other formats
- Results evaluation, visualization, and animation
- Q&A session

**Registration fee: INR 3000** (This covers Food, Accommodation (sharing) & Training Certificate)

## FOR MORE DETAILS, PLEASE CONTACT

**Dr. Raicy M C**, (Scientist-B) & **Dr. Priju C P** (Senior Scientist)  
Hydrology and Climatology Research Group, CWRDM, Calicut  
Email: [raicymc@cwrmdm.org](mailto:raicymc@cwrmdm.org) / [priju@cwrmdm.org](mailto:priju@cwrmdm.org)  
Mobile: 9445113472

**Ms. Sreya M**  
Technical Support engineer  
DHI .  
Email: [srem@dhigroup.com](mailto:srem@dhigroup.com)

**KSCSTE-Centre For Water Resources Development and Management (CWRDM),  
Kunnamangalam, Kozhikode, Kerala-673571  
Email: [ed@cwrmdm.org](mailto:ed@cwrmdm.org); Web: [www.cwrmdm.org](http://www.cwrmdm.org)**

# Instructor

## Ms Sreya M

MTech, Environmental Engineering, APJ Abdul Kalam  
Technological University



**Ms. Sreya** is currently working as MIKE Technical Support Engineer at DHI. She is having knowledge on hydrology and hydraulic engineering aspects. She has been working with MIKE HYDRO River, MIKE+ Urban, and MIKE HYDRO Basin and FEFLOW. She is part of the team that delivers training, capacity building programs and technical support.

## RELATED COURSES

- [FEFLOW – Getting started with groundwater modelling](#)
- [FEFLOW – Getting started with groundwater quality modelling](#)

## THE ACADEMY BY DHI

THE ACADEMY offers a palette of courses and capacity building packages designed to fit your needs and challenges. We offer standard and/or tailored training - face-2-face as well as online.

**MIKE Powered by DHI** courses focus on practical skills, hands-on exercises and teaching you how to get the most out of your software. These courses also enable you to understand the power of the MIKE tools for building decision support systems.

**Thematic courses** allow you to apply concepts, applications and decision support principles to the entire business process within current areas: aquaculture and agriculture, energy, climate change, flooding, coast and marine, surface and groundwater, urban water, industry, environment and ecosystems, product safety and environmental risk, etc.

**Our trainers** are experienced professionals, many of whom are recognized international experts in their fields. The use of highly skilled trainers guarantees the quality of THE ACADEMY courses.

Learn more about THE ACADEMY on [www.theacademybydhi.com](http://www.theacademybydhi.com)

**DHI**  
815, Eighth Floor,  
Okhla Industrial Estate, Phase-I  
New Delhi - 110020  
+91 1147046256 Telephone  
[mike.in@dhigroup.com](mailto:mike.in@dhigroup.com)  
<http://worldwide.dhigroup.com/in>

## About CWRDM

**CWRDM** is a premier R & D institution in the water sector established by the Government of Kerala. Recognizing the need for catering to the R & D needs in the field of water management, the Centre for Water Resources Development and Management (CWRDM) was established as an autonomous research organization by the Government of Kerala, under its Science and Technology Policy in February 1978. The Centre was amalgamated with the Kerala State Council for Science, Technology and Environment (KSCSTE) in its Silver Jubilee Year-2003. CWRDM has substantially contributed to the scientific hydrologic studies and water management in the region. Starting with the establishment of data management system for the region, CWRDM has tackled different problems pertaining to watershed development, wetland management, water management for agriculture, forest and urban hydrology, estuarine management, groundwater development, water quality management, water related environmental issues, irrigation and drainage issues, etc.

## Contact us

The Executive Director,  
Centre for Water Resources Development and  
Management, Kunnamangalam, Kozhikode-  
673571, Kerala, India  
Phone: (91)4952351800, 2351801  
Fax: (91) 4952351808  
Email: [ed@cwrmdm.org](mailto:ed@cwrmdm.org)  
[www.cwrmdm.org](http://www.cwrmdm.org)

