



GIS FOR ENVIRONMENTAL IMPACT ASSESSMENT

Environmental Impact Assessment (EIA) provides an assessment of possible impacts that can occur on the environment due to a planned development project. This enables decision makers to include environmental considerations in their decision making matrix, before deciding whether to proceed with the project.

Integration, analysis and presentation of information in the spatial context can facilitate identification of sensitive receptors and potential impacts, as well as insights that may not be readily apparent when information is viewed in isolation. Good spatial approach can lead to reduced timeframes and cost savings in an EIA process.

This two-day course provides you with a sound basis for understanding use of Geographic Information Systems (GIS) as an enabling tool in Environmental Impact Assessment (EIA) projects. The course takes a blended learning approach of class lectures, group discussions and hands-on exercises. We look at applications and role of GIS in EIA, and how good GIS approach can facilitate organisation, analysis and presentation of geospatial data. We then move on to case study of GIS approach in EIA, and explore the potential of GIS now and into the near future.

COURSE TOPICS

- Introducing GIS in EIA
- Applications of GIS in EIA
- Role of GIS in the EIA process
- Integrating, analysing and presenting data with GIS
- GIS modelling as a tool for spatial planning
- Case study for use of GIS in EIA
- Possibilities for GIS
- Hands-on exercises

TARGET GROUP AND PREREQUISITES

Professionals who will be involved in an EIA process, and/or like to explore how GIS approach can be implemented for EIA. This course is complementary to ACADEMY course 'How to perform an EIA'.

DATE AND TIME

The course days are 21-22 November 2017, from 9 am to 5 pm

LOCATION AND VENUE

DHI Singapore office
1 Cleantech Loop
#03-05 CleanTech One
Singapore 637141

FEES AND DISCOUNTS

Standard price: SGD 1,075 + GST

Discounts:

- 10% with valid Service Maintenance Agreement on MIKE Powered by DHI product; or
- 25% for 3rd and subsequent participants from same organisation

THIS IS INCLUDED

- Training material
- Lunch and refreshments
- Training Certificate

LANGUAGE

English

REGISTRATION AND CONTACT

Deadline for registration of this course is 2 weeks before the start of the course. A minimum number of confirmed trainees is needed for the course to proceed.

Pui Cuifen

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RELATED COURSES

THEMATIC

- HOW TO PERFORM AN EIA
- OIL SPILL ANALYSIS: MODELLING APPROACH
- WATER QUALITY MANAGEMENT

INSTRUCTOR

PUI CUIFEN

Cuifen is a Senior Environmental Scientist with 13 years' experience in environmental assessment and management projects in Singapore, regional and international projects. Cuifen started as a biologist leading mangrove and terrestrial surveys, and shifted into use of geospatial technologies and tools to better integrate, analyse and present information for making better decisions. She has worked on a diverse range of projects, including Feasibility Studies (FS), Environmental Impact Assessments (EIA), Environmental Management Plans (EMP), Strategic Environmental Assessment (SEA), and Climate Change Adaptation.



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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.

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 recognised 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

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