

ISOS Course

GIS for Marine Sciences Intro

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21 - 23 March 2016 | 09:00 - 17:00 h

Preparatory Meeting: 4 March, 12 h, Leibnizstraße 3, room 15

Geographic Information System (GIS) is a powerful tool for spatial data handling & presentation with wide-spread applications in Oceanography. The first 2 days provide an introduction to GIS, the third day will emphasize on marine science applications. You have the chance to discuss and bring in own course contents/data at the preparatory meeting.

Day 1

Introduction to ArcGIS, Data import, different data types, Data conversion (Table to vector / raster data), Projections, Transformations and georeferencing, Data base functions

Day 2

Spatial queries and calculations with vector and raster data (Analysis & Spatial Analysis Tools), Interpolation of point data (Spatial Analyst Tools), Export of data sets, Presentation / map creation, Application to participants' data sets

Day 3

Data interpolation using the statistics program "R", Introduction to the "Marine Geospatial Ecology Toolbox", Introduction to „How to build your own ArcGIS Toolboxes in Python“ (no prior knowledge in python required)

Venue: Leibnizstraße 1, room 105

ISOS PhDs have priority in our courses.

Child care can be provided if we have two weeks advance notice.



Please register online at

www.futureocean.org/isos