

INITIATION TO FREE/OPEN SOURCE GEOGRAPHICAL INFORMATION SYSTEMS

Basic Course

Date: 28-30 of August 2013

Teacher: Neftalí Sillero

Venue: University of Pannonia, Veszprém, Hungary

The goals of this course are to introduce the students to Geographical Information Systems. Students will learn basic tools of spatial analysis and map representation of vectorial and raster data with several Free/Open Source software (Quantum GIS). The course will be mainly practical. Every student will have access to a computer.

By the end of this 3-day course, it is expected that the students will have the capacity to perform some basic GIS analysis, not only in Quantum GIS but in other programmes. The intention is to provide knowledge in GIS, not in a particular software.

To:

PhD and MSc students, as well as other students and researchers, from Biological Sciences and related. Participants should have skills on computers at user level.

The number of inscriptions are 20.

The course will be organized in three theoretical/practical sessions of 8h per day during three days.

Registration by extrict order of arrival (deadline 15/07/2013): please send a short CV by email to:

Neftalí Sillero

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Centro de Investigação em Ciências Geo-Espaciais (CICGE)

Faculdade de Ciências, Universidade do Porto

Course Description

	Day 1	Day 2	Day 3
9:00-10:00	T1: GIS introduction	T3: Data sampling	T5: Spatial analysis of vector data
10:00-10:45	P1: Introduction to GIS	P4: Image georeferencing	P7: Vector data analysis
10:45-11:15	COFFE BREAK	COFFE BREAK	COFFE BREAK
11:15-12:00	P1: Introduction to GIS	P4: Image georeferencing	P7: Vector data analysis
12:00-13:00	P1: Introduction to GIS	P5: GPS and data digitalization	P7: Vector data analysis
13:00-14:00	LUNCH	LUNCH	LUNCH
14:00-15:00	P2: Map representation	T4: Database operations	T6: Raster GIS
15:00-15:45	T2: Cartography notions	P6: Database operations	P8: Raster data analysis
15:45-16:15	COFFE BREAK	COFFE BREAK	COFFE BREAK
16:15-17:00	P3: Vector and Raster data projection	P6: Database operations	P8: Raster data analysis
17:00-18:00	P3: Vector and Raster data projection	P6: Database operations	P8: Raster data analysis