**Welcome to the introductory QGIS and R course at the department of human geography at Stockholm University!**

The aim of the course is to give you an introduction to GIS in general and the GIS software package QGIS in particular, and a brief introduction to R.

The course will take place between the 10th and the 14th of February. The course format will consist of lectures combined with practical assignments. To be able to participate in the course it is important that you bring your own laptop computer to the lectures and assignments.

The GIS part of the course will be located in the Geoscience building, room Y12 and Y13. Sessions will start at 9.15 and end at 17.00 (at least preliminary). Teachers are: Martin Menke (martin.menke@humangeo.su.se) and Stefan Ene (Stefan.Ene@humangeo.su.se, both from the Department of Human Geography.

The R part of the course will be located at the department of the Department of Ecology, Environment and Plant Sciences, in Room 540.Teacher is Dr. Victor Johansson (victor.johansson@su.se).

Additional course material will be provided at the start of the course.

Follow this link for info on how to get to the Geoscience building (Y12 and 13 is in the Y building = marked with a “Y” on the map). <http://www.humangeo.su.se/english/about-us/find-us>.

**Outline of course schedule and content**

**Monday, 10th**

Introductory lectures in GIS and cartography. Start of QGIS workshop.

**Tuesday, 11th**

Intro to R (9.15 to 14).

Meeting with paleo-ecology group at the Department of Physical Geography and Quaternary Geology (14.15-15.15). This is not part of the course and open for all who like to come along.

**Wednesday, 12th**

QGIS workshop.

*OPTIONAL* 15.00-17.00 Seminar, Department of Archaeology & Classical Studies, Stockholm University

*Paul Lane, Uppsala University*: Archaeologies of East African Pastoralist Landscapes: Places and Paths of Memory

**Thursday, 13th**

Short intro to “Choros Mapper” (a new image analysis software). By Associate Prof. Anders Wästfeldt. Morning session only.

QGIS workshop (rest of the day).

**Friday, 14th**

QGIS workshop.

**Before the course starts you have a few assignments to complete:**

* If you like, write a couple of lines about your previous experiences with GIS, former GIS usage (if any), what GIS software you have been using, etcetera, and send it to lowe@humangeo.su.se. This will help us in our preparations and ensure relevant course content.
* Download and install the appropriate version of QGIS for your operating system, so that you have a working QGIS installation ready to use when the course begins. Links and instructions can be found here: <http://gis.humangeo.su.se/qgistutor/> If you are unable to install QGIS because of some technical difficulties, don’t panic! There will be time to resolve those problems at the start of the course.
* Install R (google R or go to: <http://www.r-project.org>) and read the introduction provided, which contains some introductory assignments. A test dataset is also provided. The intro to R is attached as both a Word file and a Tinn R file. Tinn R is a software that, like R, is free to download (google it). Victor recommend to use Tinn R for writing the code used in R. But the code can also be written in Word. The point is that we like you to try, so that we can start the course with helping you out with problems that you may have encountered. Hence, one again, don’t panic if nothing works. We will help you out when you come to Stockholm. If you can’t wait, ask each other for help.

In addition to the assignments above you are welcome to familiarize yourself with the information and tutorial material regarding QGIS that is available at: <http://gis.humangeo.su.se/qgistutor/>

 **Some additional notes regarding the installation of QGIS on Mac OS X**

The Mac version of QGIS is dependent on additional frameworks and modules. Before installing QGIS you have to install the following components:

GDAL Complete (also install “numPy” that is included in this download)

GSL

FreeType

Matplotlib

All components can be found at: <http://www.kyngchaos.com/software/index>

The components listed above are the bare minimum for a stable and usable QGIS installation on Mac OS X. Depending on what plugins you are using in QGIS you might have to install additional modules.

Best wishes and see you soon in Stockholm!

Martin Menke, Victor Johansson, Stefan Ene and Lowe Börjeson