**Introduction to Spatial Data and Analysis with R**

**Who**: Roberto Molowny & Víctor Granda.

**When**: 21-24 February, 10:00 – 13:00

**Recommended for**: Staff and students with basic knowledge of GIS and R programming.

**Where**: UAB

Spatial data has become more and more important in ecology, with geo-tagged local data and remote-sensing data being more usual, open and accessible. This offers a wide range of possibilities from obtaining climatic variables for experimental plots to including spatial dimension in statistical models.

The aim of this course is to get comfortable working in R with spatial data. In the first half of the course we’ll present how we can load and inspect vector and raster data in your R session. This also includes basic vector operations as spatial joins and filters and raster algebra (merge, extract…) as well as some basic visualization techniques.

In the second half of the course, we will show you how to include and use spatial in some statistical analysis...