



# FOSS4G2006 - Free And Open Source Software

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## Using R with FOSS4G, in particular with GRASS

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Using GRASS in combination with R, the cross-platform data analysis and statistics programming environment, is often useful, starting with running R within GRASS, then encapsulating R within GRASS for standardised tasks. R contributed packages also use other FOSS4G software extensively, including GDAL, OGR, PROJ.4, Terralib, and others:

- \* proposed topics:
  - o Installing R for FOSS4G/GRASS - task view and packages
  - o Spatial classes in R
  - o GRASS6/R interface
  - o Other FOSS4G/R interfaces (rgdal, aRT, ...)
  - o Using the interface to do geostatistics and interpolation
  - o Customising FOSS4G/GRASS-side scripts
- \* teacher:
  - o Roger Bivand

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