The temporal GRASS GIS framework: Introduction and application [1]

Submitted by soeren.gebbert on Wed, 09/12/2012 - 10:00

Location: EM room

Objective: Introduction and application of the new temporal GIS framework implemented in GRASS GIS version 7 [2]

General description: The temporal GRASS GIS framework has been developed to manage, process and analyse large scale, spatio-temporal environmental data. In this lecture the conception of this temporal framework will be introduced as well as its application in a live demonstration by managing, analyzing and visualizing a massive, spatio-temporal climate dataset of Europe. The following topics will be covered in the live demonstration:

- Spatio-temporal querying
- Spatio-temporal aggregation
- Temporal sampling
- Spatio-temporal statistics
- Space time voxel cube analysis and visualization
- Spatio-temporal map calculation
- Creation of time series animation

Required background knowledge: GRASS GIS version 7, time series analysis in R
Software / R packages required: none, presentation and live demonstration

Provisional programme:

9:00?10:00 Temporal GRASS GIS framework introduction

10:00?10:30 Coffee break