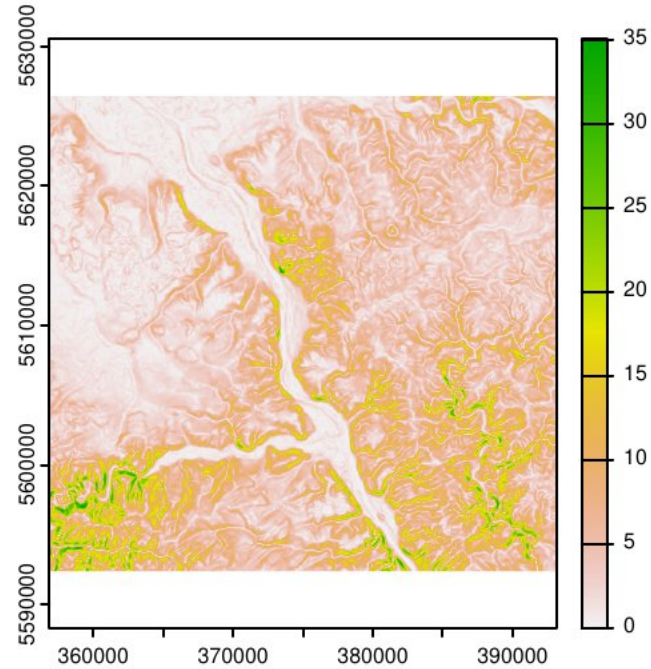
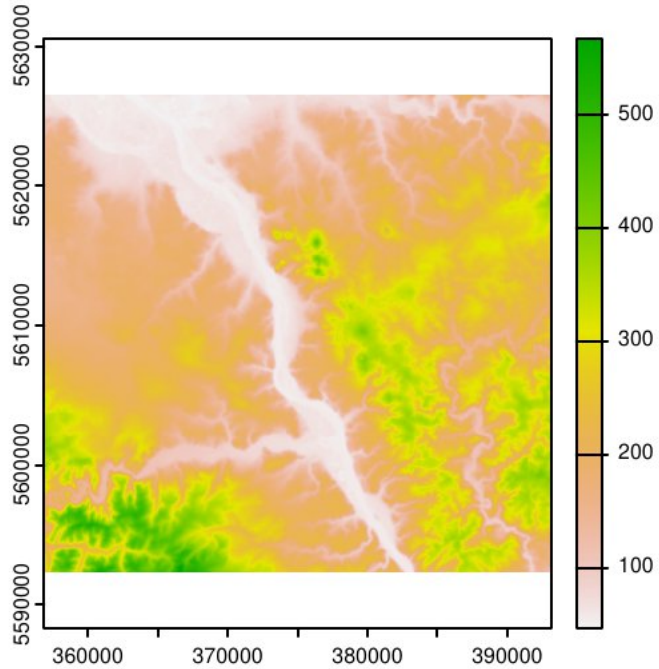
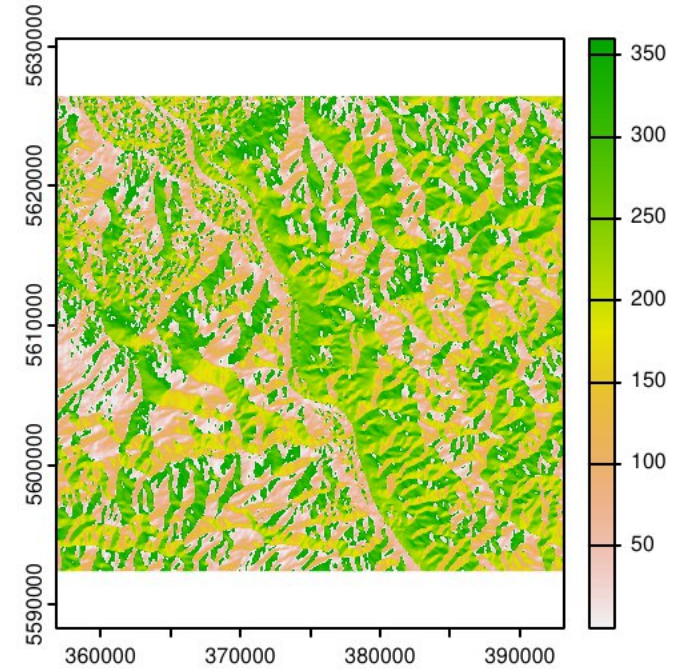


Einfache Verarbeitung von Geländemodellen



`terra::terrain(dem,"slope")`



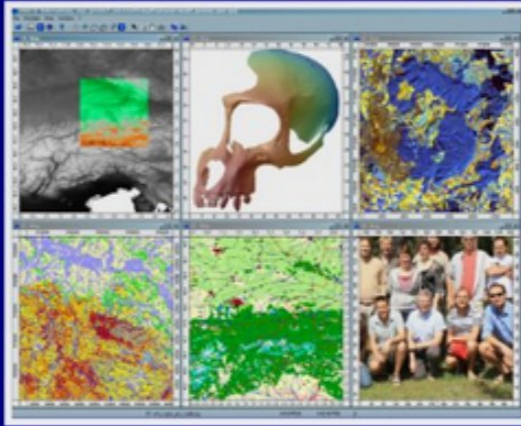
`terra::terrain(dem,"aspect")`

Warum Anbindung an externe GIS Software ?

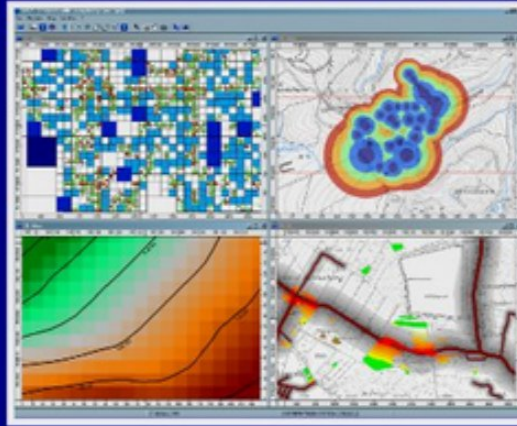
- Manche Funktionalität nicht in R implementiert aber in QGIS, SAGA, Grass, ArcGIS
- Tools im Bereich Hydrologie, Morphometrie in R wenig vorhanden, aber in SAGA
- Link über R Pakete: RSAGA, rgrass7, RQGIS, RPyGeo
- Workflow bleibt erhalten (keine manuellen Zwischenschritte) → reproduzierbar

SAGA GIS

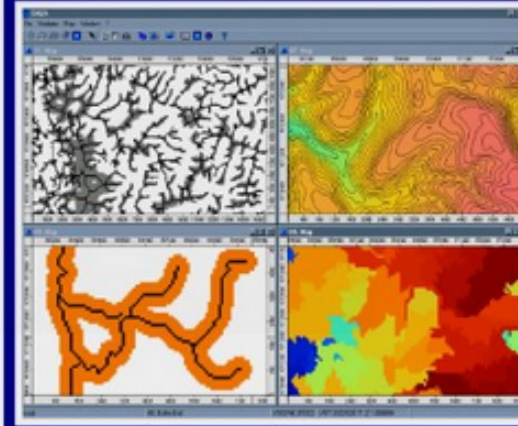
Data Import & Export



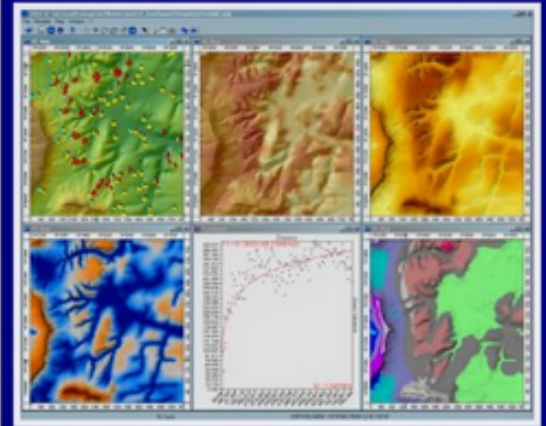
Vector Tools



Raster Tools



Terrain Analysis



Projections

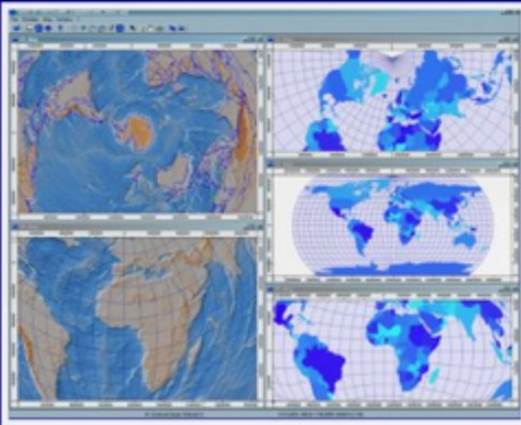
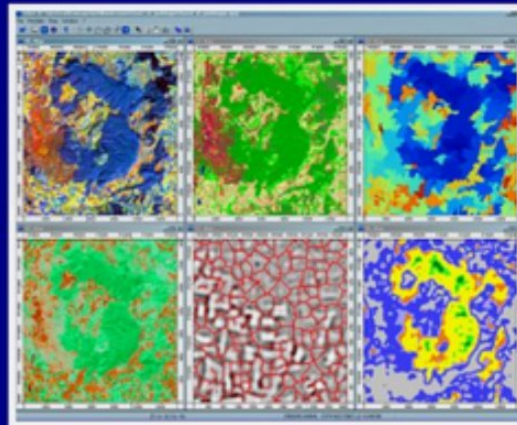
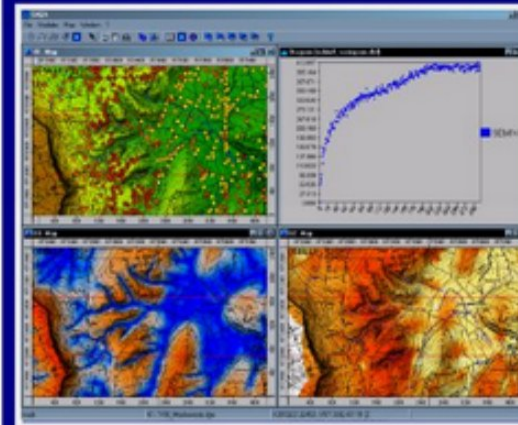


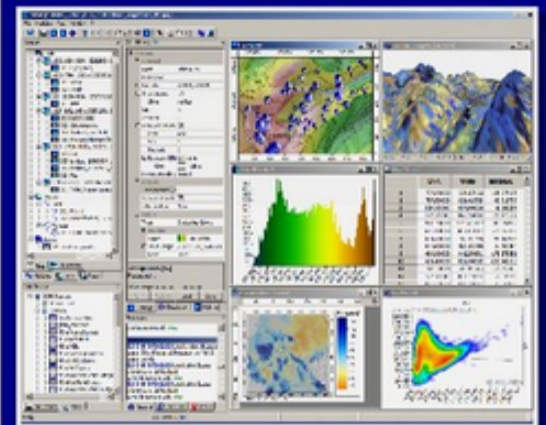
Image Analysis



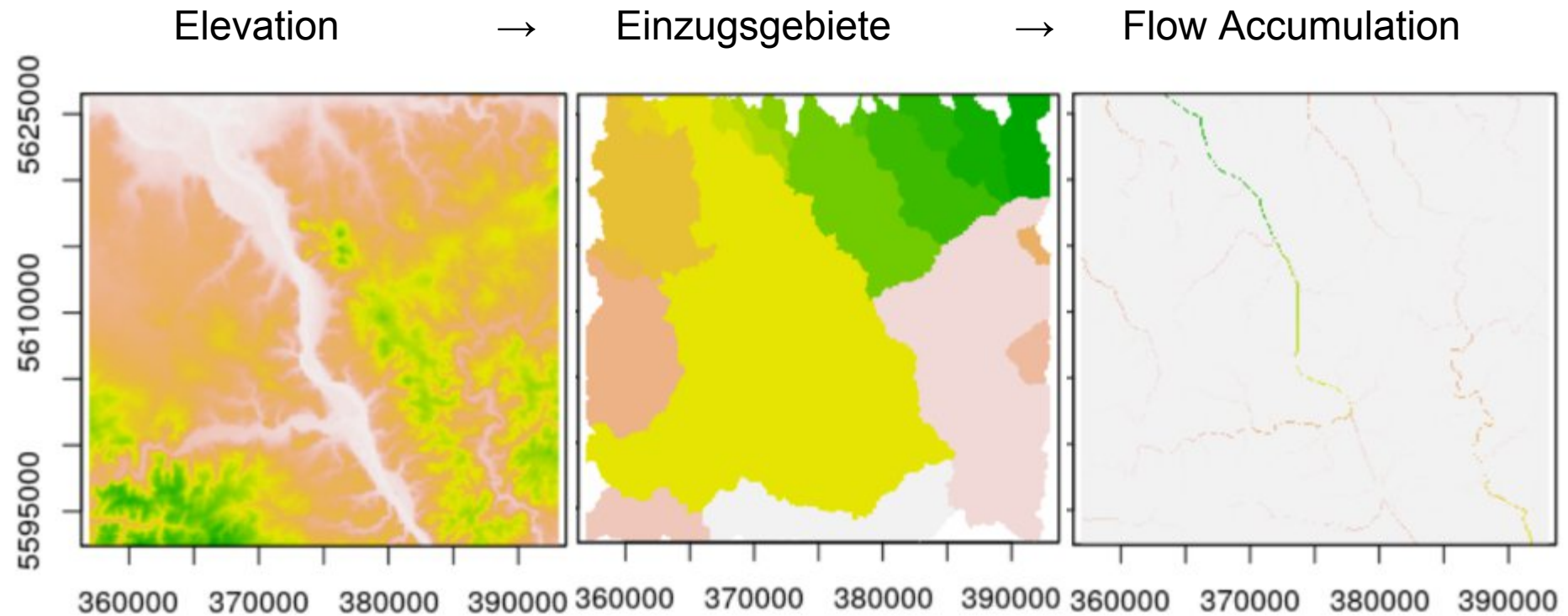
Geostatistics



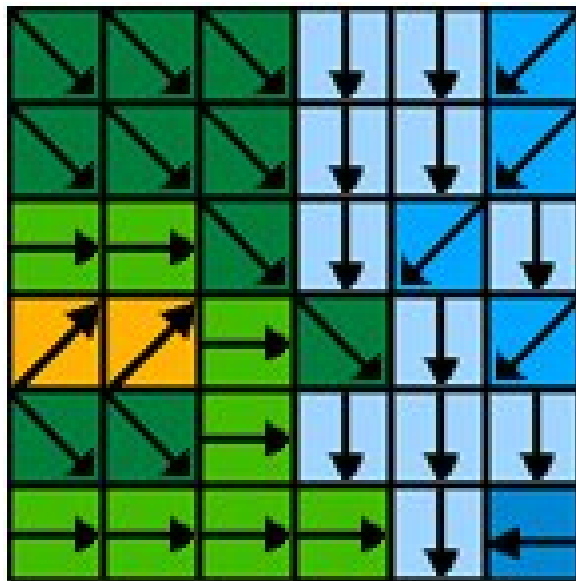
GUI



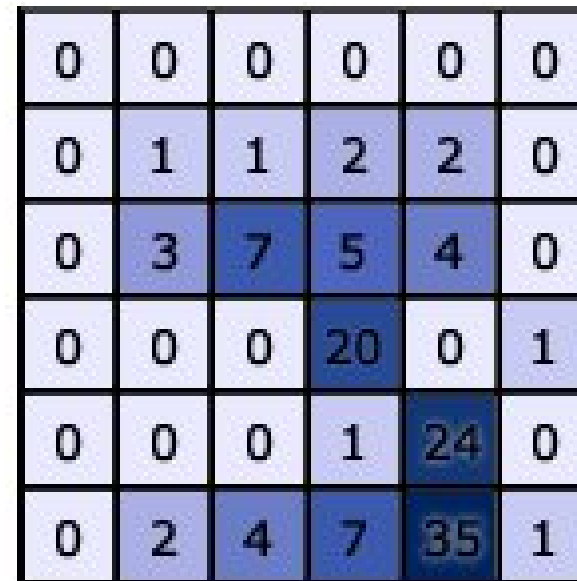
Aufgabe



Berechnung Flow Accumulation



Flow direction



Flow accumulation