Agenda

• Existing GNC Infrastructure
• Team reports
• Next Steps
• ..?
Existing GNC Infrastructure

- Ground station
- Data server
- Virtual machines
Team Reports

- Goals
- Assignment of roles
  - Project Leader
  - Quality Manager
  - Business Analyst
  - SW Architect
  - SW Engineer
- Estimation & Workplan
Next Steps

• Open Action Items
  – First report in the BuildingSDIs seminar
  – ..

• What happens next week
GEONETCast II - Course - Objectives

- Aim of the study project SS 2010 is to develop a reference architecture for integrating the GNC data stream into a spatial data infrastructure. Following this architecture we will implement the basic building blocks of this architecture, which will result in an operational offering for ifgi and other institutes of the GeoSciences department.
Goals

- Operational GNC data offering for GDI one4all
  - Availability, Sustainability
    - 90-95% during daytime
    - long time series
  - Maintainability
    - low resources for maintenance
  - Easy to access, usability
    - Metadata, selection of relevant data
  - Security
    - Data is free for research & education only!
  - Vendor independent
    - Standards & interoperability
- Reference Architecture
  - Reusable architecture
GEONETCast II - Tasks

- **Specification**
  - Identify potential GNC users and use cases
  - Specify functional and non-functional requirements

- **Design**
  - Draft a SW Architecture (Information model, Components, Interfaces)

- **Implementation, integration & testing**
  - Evaluate alternative SW configurations
    - AGS Image Extension, GRASS or GeoServer
  - Implement selected use cases incl. integration and testing

- **Documentation**
  - Write both a technical and a user documentation

- **Work with a dedicated project management and quality management**
Deliverables

• Project plan
  – What, how, who, when,..
• QM plan
  – Quality goals, risks & measures, monitoring
• Specification
  – Use cases, requirements
• Architecture
• Documentation
  – technical and user documentation
• System up and running
Estimation (scenario!)

- Core tasks (70%)
  - Specification (15%)
  - Design (15%)
  - Implementation (50%)
  - Integration & testing (15%)
  - Prepare for operation, doc, training (5%)
- Cross Cutting tasks (30%)
  - Coordination (15%)
    - Project management, Quality Management, Communication
  - Infrastructure (7%)
    - Technical infrastructure, SD environment
  - Knowledge management (8%)