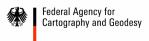
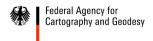


## **Enhancement of EPN real-time activities**

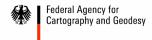
W. Söhne
Bundesamt für Kartographie und Geodäsie
Frankfurt am Main, Germany



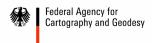
- > Motivation
- > Goals
- > Topics
- > Timescale



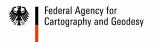
- GNSS real-time data streaming has been successfully developed within EUREF
- Special Project "EUREF-IP" was created in 2002
- Currently ~ 93 EPN stations with real-time capability
- > SP EUREF-IP moved towards EPN routine operations end of 2007



- > GNSS development has been accelerated
  - from daily to hourly files (data)
  - from post-processing to near real-time (products)
- > Current evolution is going towards
  - Real-time data streaming
  - Real-time monitoring and analysis
- ➤ With the improvement of products and models the GNSS analysis has been extended
  - From relative positioning
  - To single point positioning

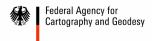


- > Options for next real-time activities
  - Setup of a new Special Project
    - Needs charter, ToR, CfP, description (web)?
    - Expects input from the EUREF/EPN community
  - No setup of a new Special Project
    - New elements in the "Products" field instead?
    - Currently no EPN RT products exist



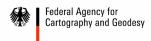
## > Goals for the new SP

- General: get more experience with real-time analysis
- Extension or modification of existing EPN products
- Coming up with new EPN products or services



## > Potential topics within the new SP

- Analysis
  - Derivation of GPS+GLONASS clock corrections for Europe
  - Precise Point Positioning
  - Troposphere, ionosphere parameters
- Standardization issues
- Dissemination
  - Streaming of orbit and clock corrections
  - Streaming of other products
- Other issues
  - Consistent modelling
  - Intermediate products



## First / next steps

- General announcement at the EUREF symposium
- Paper to present at the TWG meeting Nov '08
- Implementation of a EPN RT webpage
- Announcement (CfP??) via EUREF mail