

International WG on Site Quality, Integrity and Interference Monitoring

concept presentation

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Background

- The origins – IAG /IUGG CSTG SGMS sub-commission (1987)
- The CERGOP experience
- The case for EUPOS– a regional perspective
- The WG1 recommendation for OOSA – a global perspective
- The EUPOS ISC discussion, Sofia, November 2004

The objectives

In relation to multifunctional GNSS reference station networks the WG

- Promote existing international standards
- Review and disseminate best practices
- Develop new procedures, recommendations and guidelines for site quality, integrity and interference monitoring
- Assist developments in new regional and continental networks

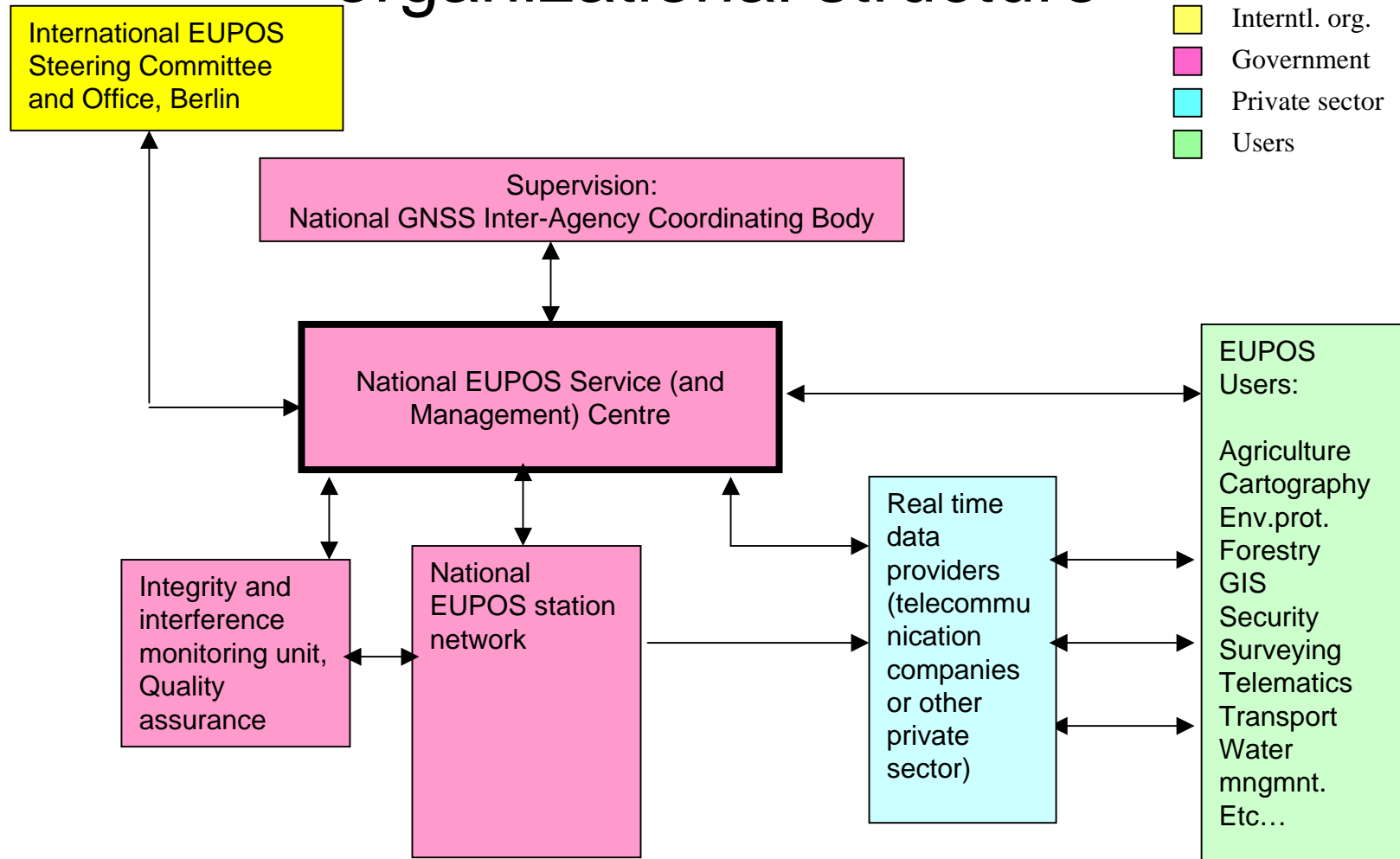
WG activities

- Review presently available standards, guidelines
- Collect user input, list problem catalogue
- Discussion on the problems and solutions
- Formulate recommendations/guidelines
- Carry out site inspections and on site advice
- Evaluate case studies – best practices
- Archive relevant documentation, data - pu access

Membership

- CEGRN Consortium (Europe – regional)
- EUPOS / EUPOS IRC (Europe – regional)
- EPN (EUREF) (Europe)
- CORS (America)
- AFREF (Africa)
- SIRGAS (S. America)
- APRGP (Asia – Pacific)
- IGS, IAG, FIG etc. – intl. organizations

The EUPOS National Service Centres organizational structure



Mechanisms

- Means of collecting, sharing and disseminating information
 - User inputs, reports from group members and other users
 - On site inspections
 - Meetings/Workshops
 - WEB sites, links, on line access
- Frequency of updating
 - As changes occur - at least yearly
- Information management
 - Locally managed WEB sites by members
 - Globally managed WEB site by WG volunteers or ???

Evaluation, review and reporting

- Classification of problems
 - Local (national) level
 - Regional or global (international) level
- Review problems by the WG. Formulate recommendations to users and to other authorities
- Report (including recommendations) will be submitted to ICG (to be established) or OOSA at the series of annual international GNSS meetings in Vienna
- Non local interference problems may be reported also to CRAF, or ITU

Conclusion

- The EUPOS ISC
 - discussed the case of an International WG on Site Quality, Integrity and Interference Monitoring
 - supports the initiative to establish such a WG on global scale under the International Committee on GNSS or UN OOSA.
 - willing to delegate 2 experts

Next steps

- Acceptance of the concept
- OOSA call for participation
- Provision of financial support
- 1st meeting in 2005 in Vienna
 - Work out terms of reference
 - Plan of activities
- Logistical support by OOSA