

GNSS/Galileo works in Poland

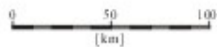
Janusz B. Zieliński

UN/USA GNSS Workshop
Vienna, December 8-12, 2003

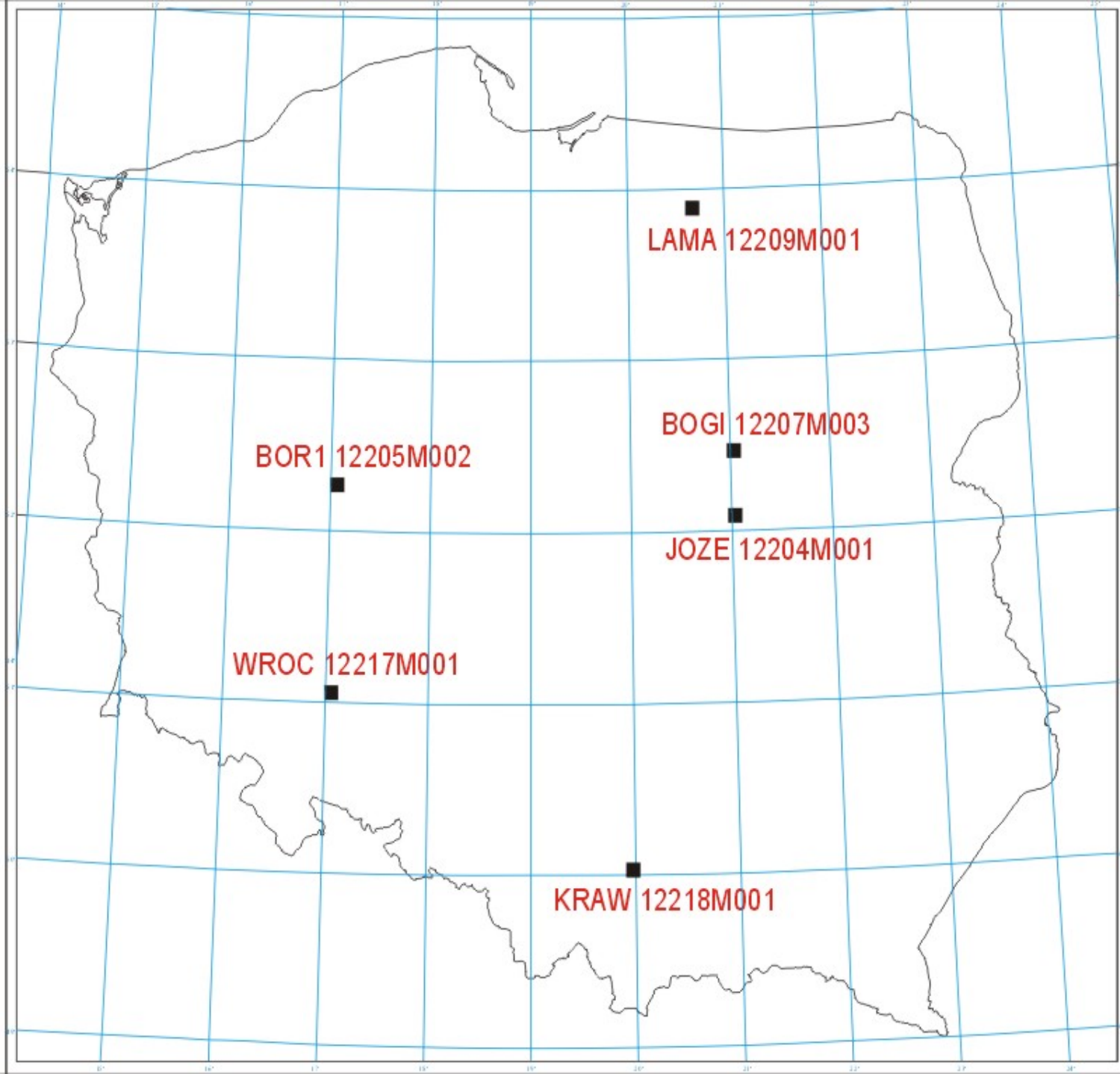
GNSS applications in Poland

- Sea and air navigation;
- Geodesy, surveying and mapping;
- Car guidance and monitoring;
- Emergency services;
- Tourism and sailing;
- Industry applications.

POLSKA



Odciszerowanie PSWG - 92



Punkty sieci
EPN
w Polsce

LAMA 12209M001

BOR1 12205M002

BOGI 12207M003

JOZE 12204M001

WROC 12217M001

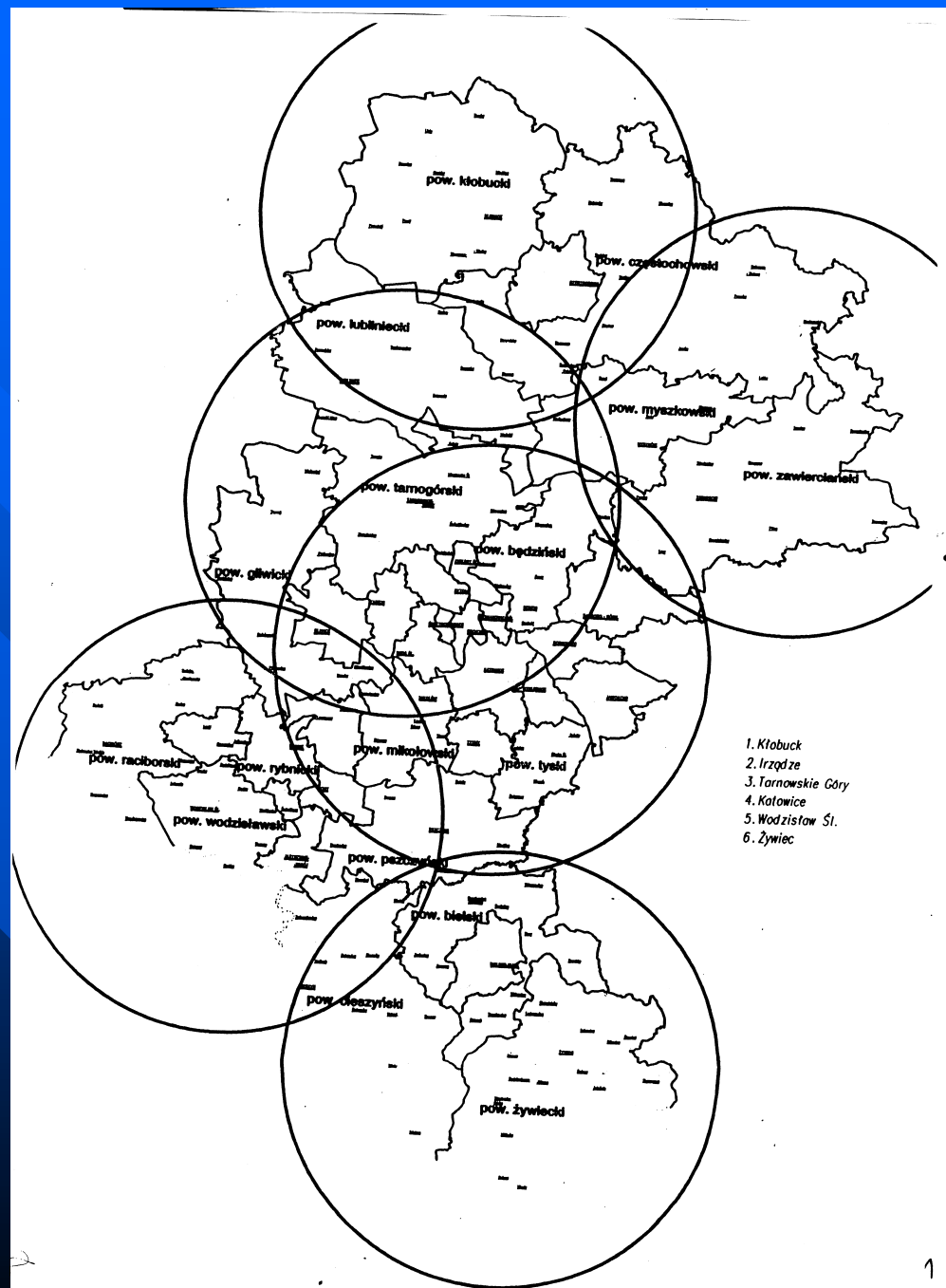
KRAW 12218M001

ASG - Active Geodetic Network

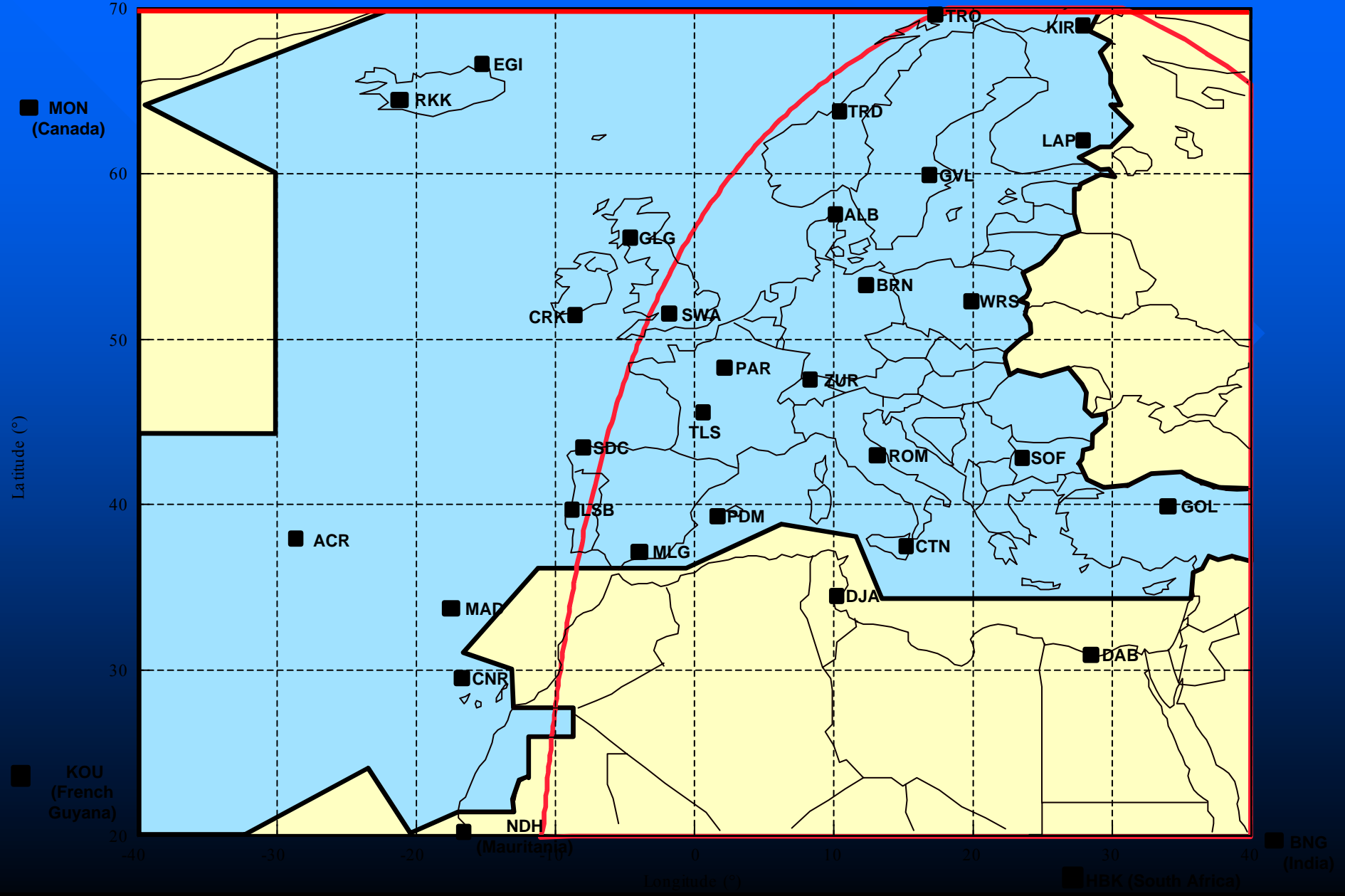
Features:

- 6 stations in the Silesia Region,
- Distance between stations 50 –60 km,
- Working mode: post-processing with the RTK option in the future,
- Automatic processing of the user observations with the Bernese GPS Software

ASG-PL



EGNOS RIMS Map

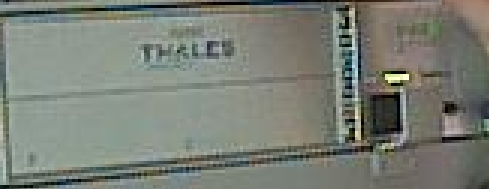






Indra

TECNO PIMS A



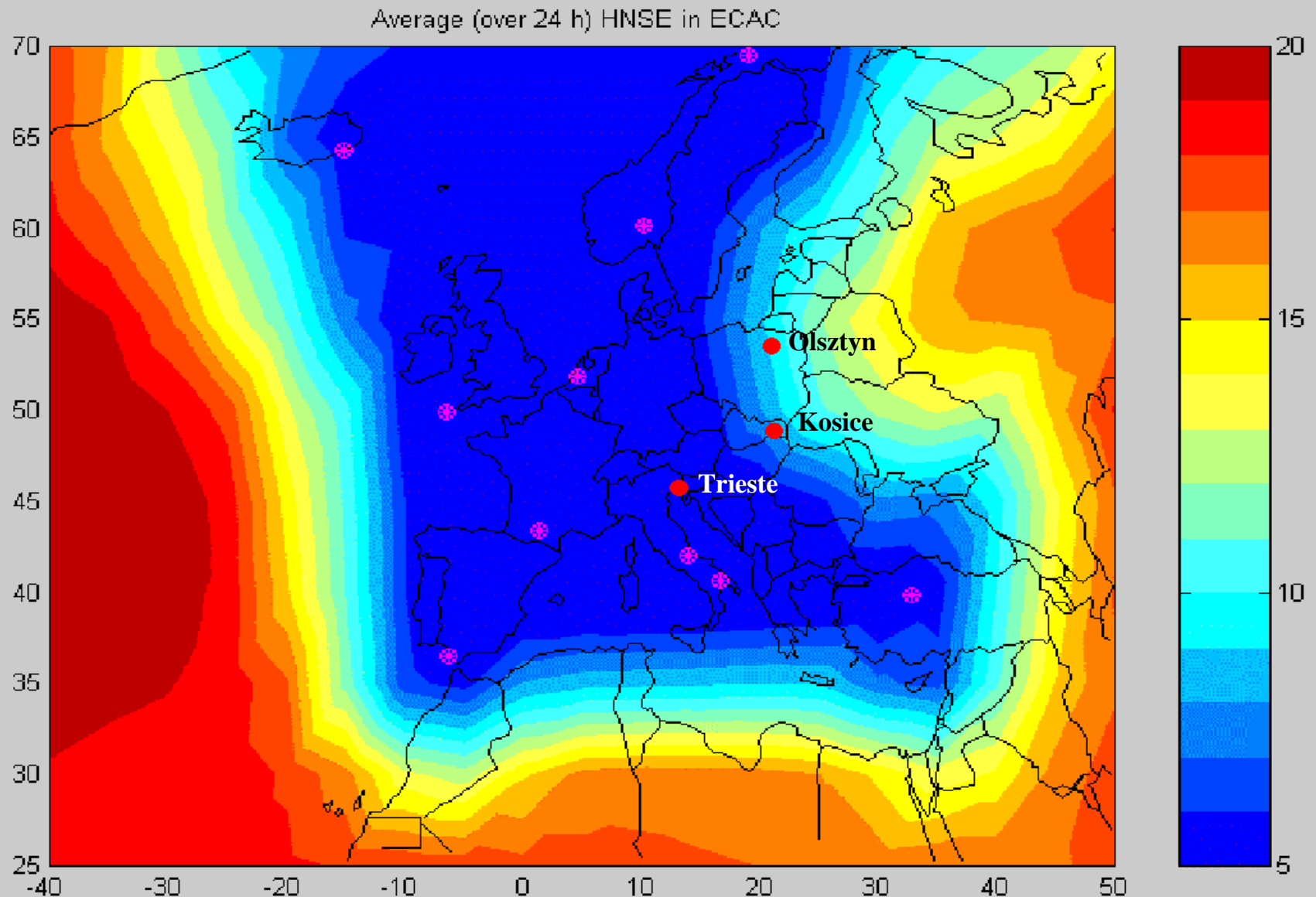
THALES

Estimation of Accuracy of EGNOS System Test Bed (ESTB) Car Navigation in Central European Countries in 2002

The main goal of performed trials was the use ESTB signal in satellite navigation. The members of CEI WG on Satellite Navigation Systems carried out three experiments across the Central European Countries aiming at data collection during car navigation. The tests were performed in August – September 2002. Areas of North-East Poland, East Slovakia and North-East Italy were chosen as test areas. With current allocation of RIMS, the area of Poland and Slovakia is on the eastern edge of the predicted ESTB coverage.



Experiment in Olsztyn.



Location of the test area and predicted Horizontal Navigation System Error - HNSE(95%) of EGNOS System Test Bed (for 10 reference stations network).

FP6

Specific Support Action Project

Support for development and
utilisation of Galileo
applications in Poland and
other accession countries

The specific support action aims at the promotion of development and utilisation of Galileo applications in Poland and in cooperation with other accession countries

The project activities will:

1. Support research and commercial sectors in development of Galileo-based applications
2. Provide background and support for development of national policy related to utilisation of Galileo services

Polish partners

- Space Research Centre, Polish Academy of Sci.;
- Inst.of Satellite Geodesy and Navigation;
University of Warmia and Masury, Olsztyn;
- Inst. of Geodesy and Geodetic Astronomy,
Warsaw University and Technology;
- Institute of Geodesy and Cartography;
- Inst.of Navigation and Marine Hydrography,
Naval Academy, Gdynia;
- Air Force Academy, Dęblin.

CEI Working Group on Satellite Navigation Systems

- Chairman – Prof. Stanisław Oszczak, Poland;
- Co-Chairman – Prof. Giorgio Manzoni, Italy
- 22 members from 15 countries

Thank you for your attention.