

TOUGH

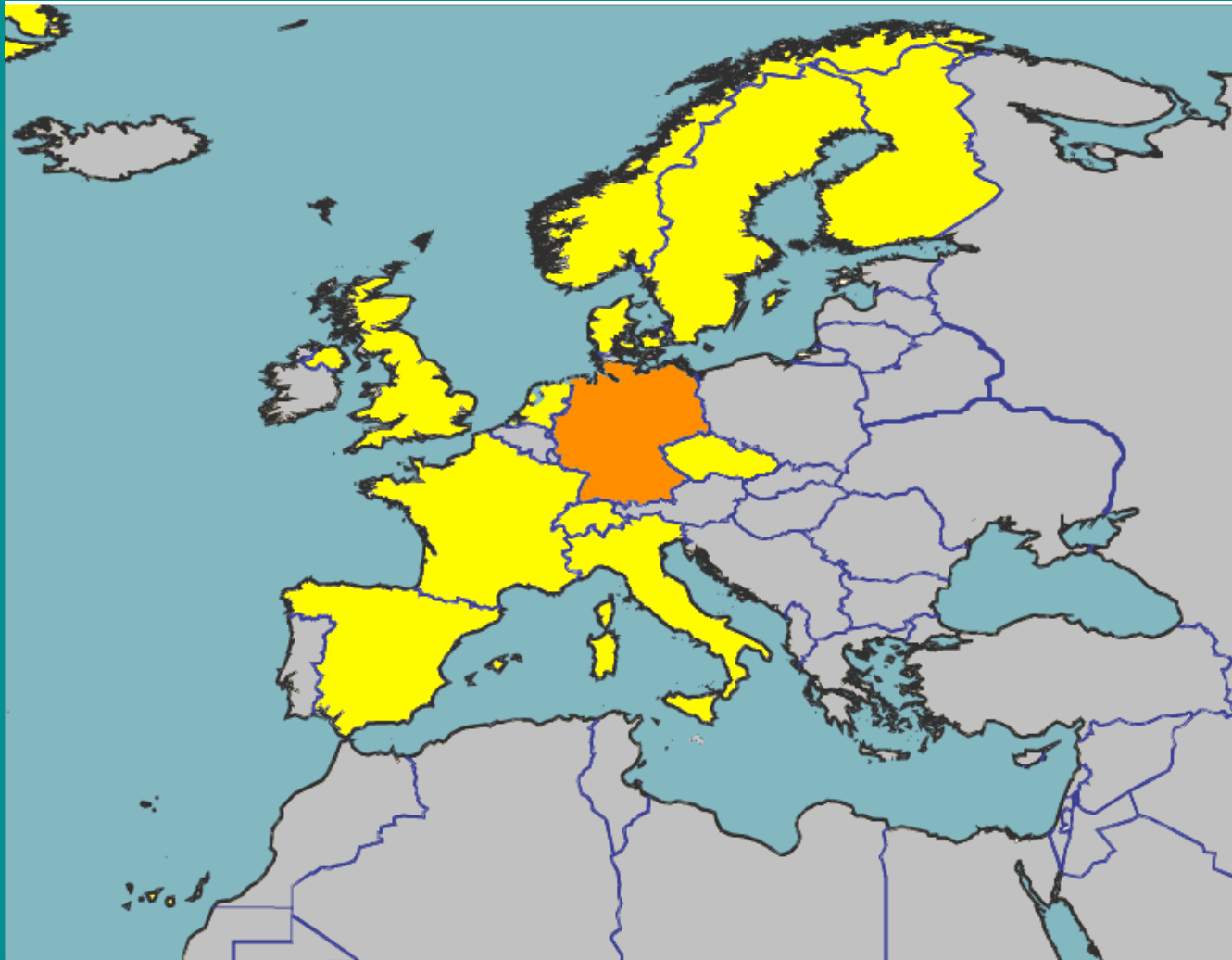
User Workshop

Friday, Sept. 30, 2005
UK Met Office, Exeter

About TOUGH

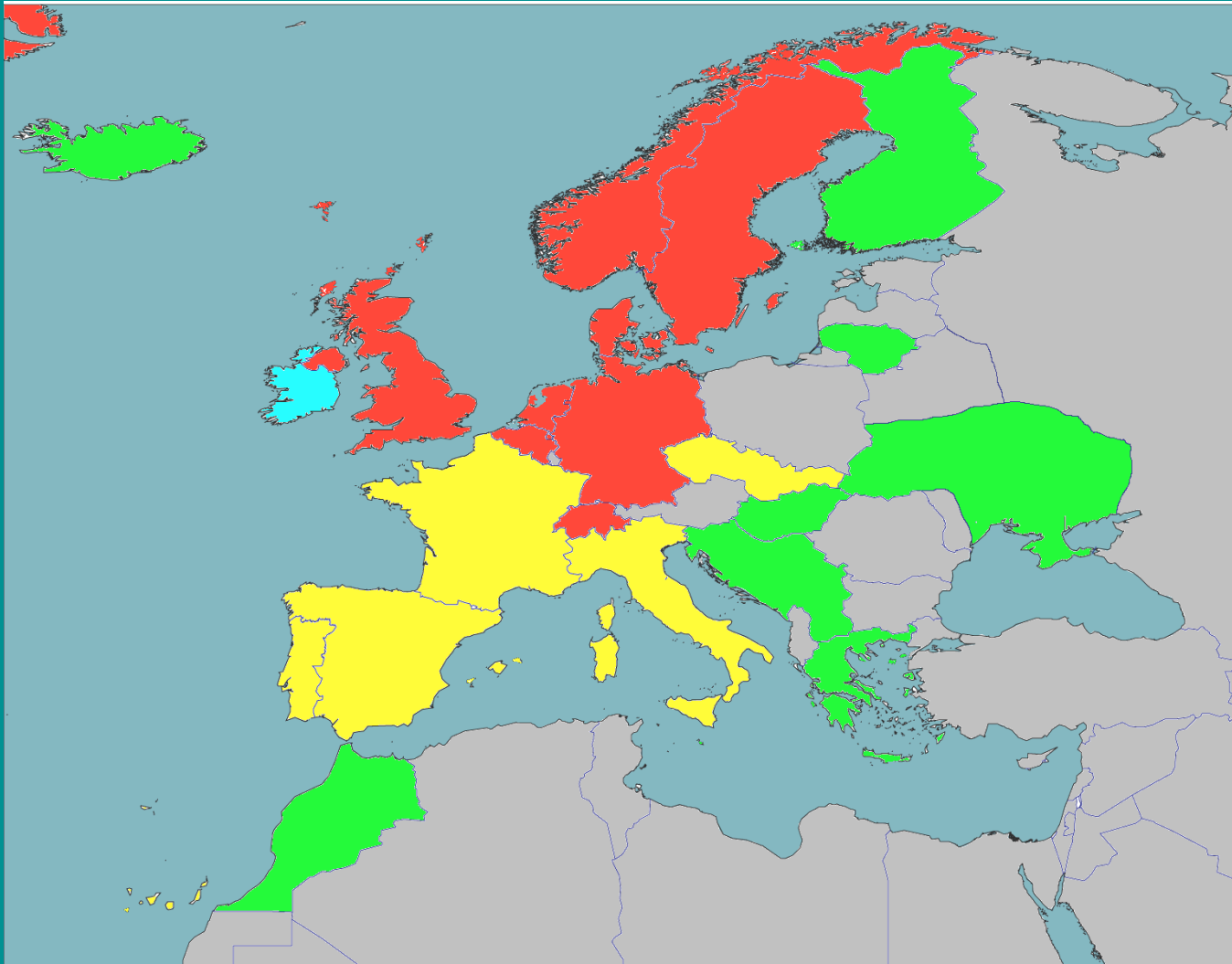
- Runs 2003-02-01 to 2006-01-31 = 3 years
- Involves 15 institutes from 10 countries
- Co-funded by the Research DG of the European Commission within the RTD activities of the Environment and Sustainable Development Subprogramme (contract EVG1-CT-2002-00080, 5'th Framework Programme).

Location of TOUGH partners and associated partners



GPS data providers

Date denstiy: Red=high, yellow=medium, green=low, blue&grey=no data



Areas of work and research

- Continuous NRT GPS delay estimation.
- NWP impact studies, long term and cases, using operational setups.
- Estimation of spatial and temporal error correlations and biases, correction of those during NWP data assimilation.
- Improvement of GPS delay estimation and long term stability (e.g. combining solutions, antenna calibration).
- 4DVAR impact experiments.
- Slant delays: Estimation, error assessment, assimilation.

People at work

DMI Xiang-Yu Huang, Kai Sattler, Henrik Vedel

MetO Dave Offiler, Adrian Jupp

SMHI Bengt Gustafsson, Martin Ridal

INM Jose Garcia Moya, Beatriz Navascues, Jana Sanchez-Arriola

LAQ Claudia Faccani, Rossella Ferretti

FMI Reima Eresmaa, Heikki Jaervinen

KNMI John de Vries, Sylvia Barlag

ACRI-ST Olivia Lesne

Chalmers Gunnar Elgered, Camilla Granstroem, Boris Stoew, Jan Johansson

ASI Rosa Pacione, Francesco Vespe

GOP Jan Dousa

IEEC Antonio Rius

NMA Oddgeir Kristiansen

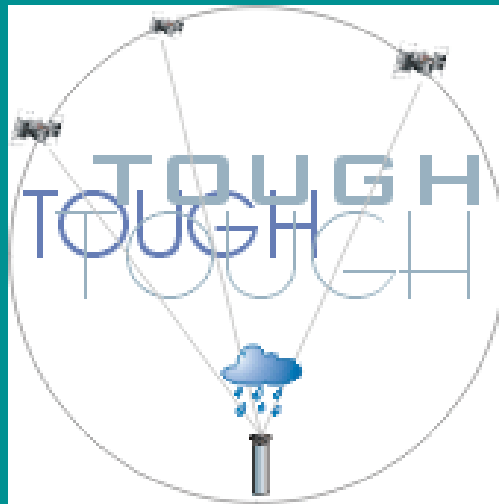
Swisstopo Elmar Brockmann, Daniel Ineichen

TUD Hans van der Marel

Uni. Purdue Jennifer Haase

GFZ Galina Dick

Welcome to the TOUGH User Workshop!



Note: The presentations will be compiled into a proceedings file, which will be made available to anybody interested via download from the TOUGH homepage. You will be notified when the proceedings file is ready.