

European Vertical Reference System (EVRS) 2007

- Principles, Strategy, Status -

***EUREF TWG Meeting, March 5-6, 2007
Lisbon***

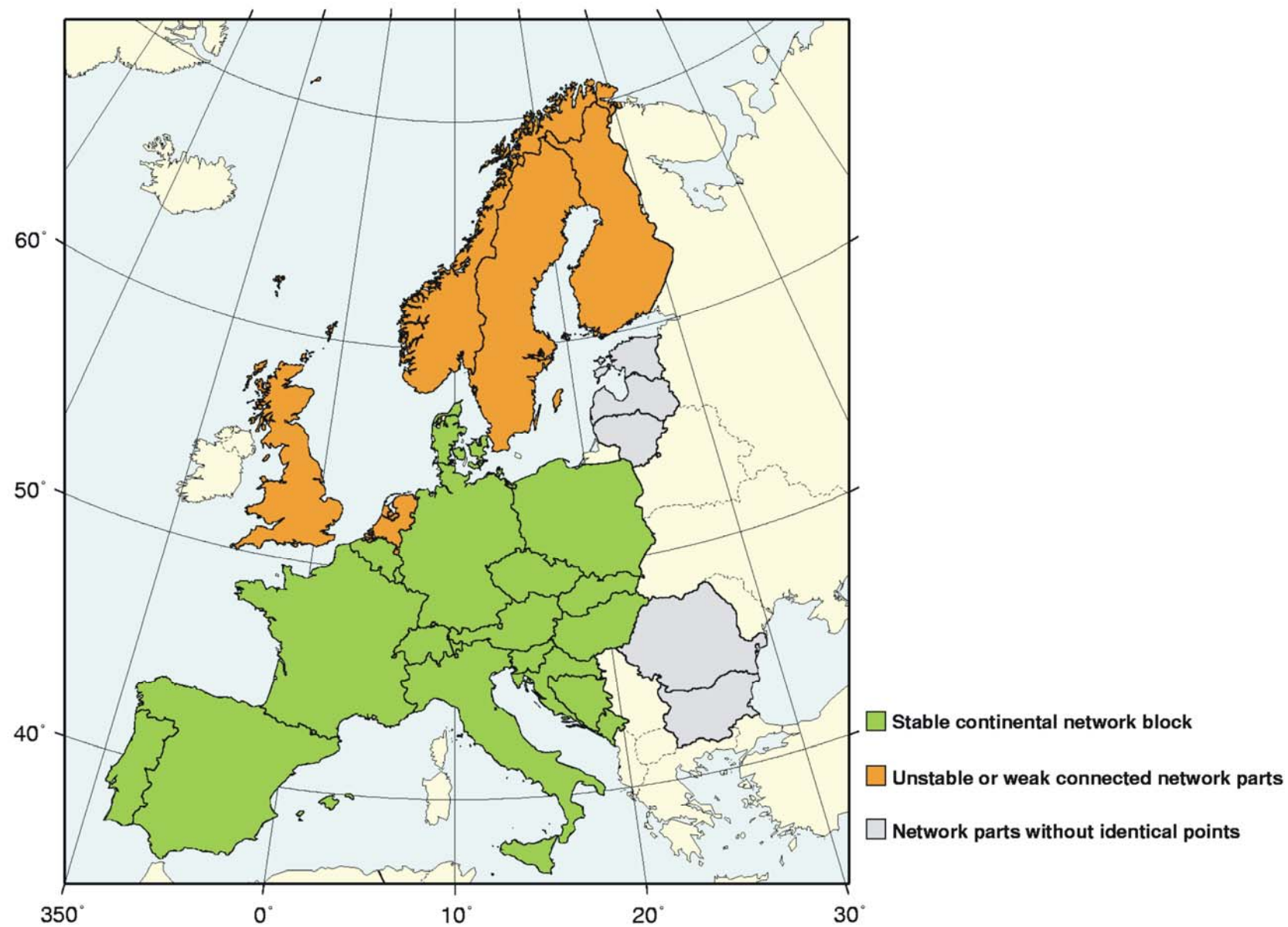
Summary to realize EVRS2007

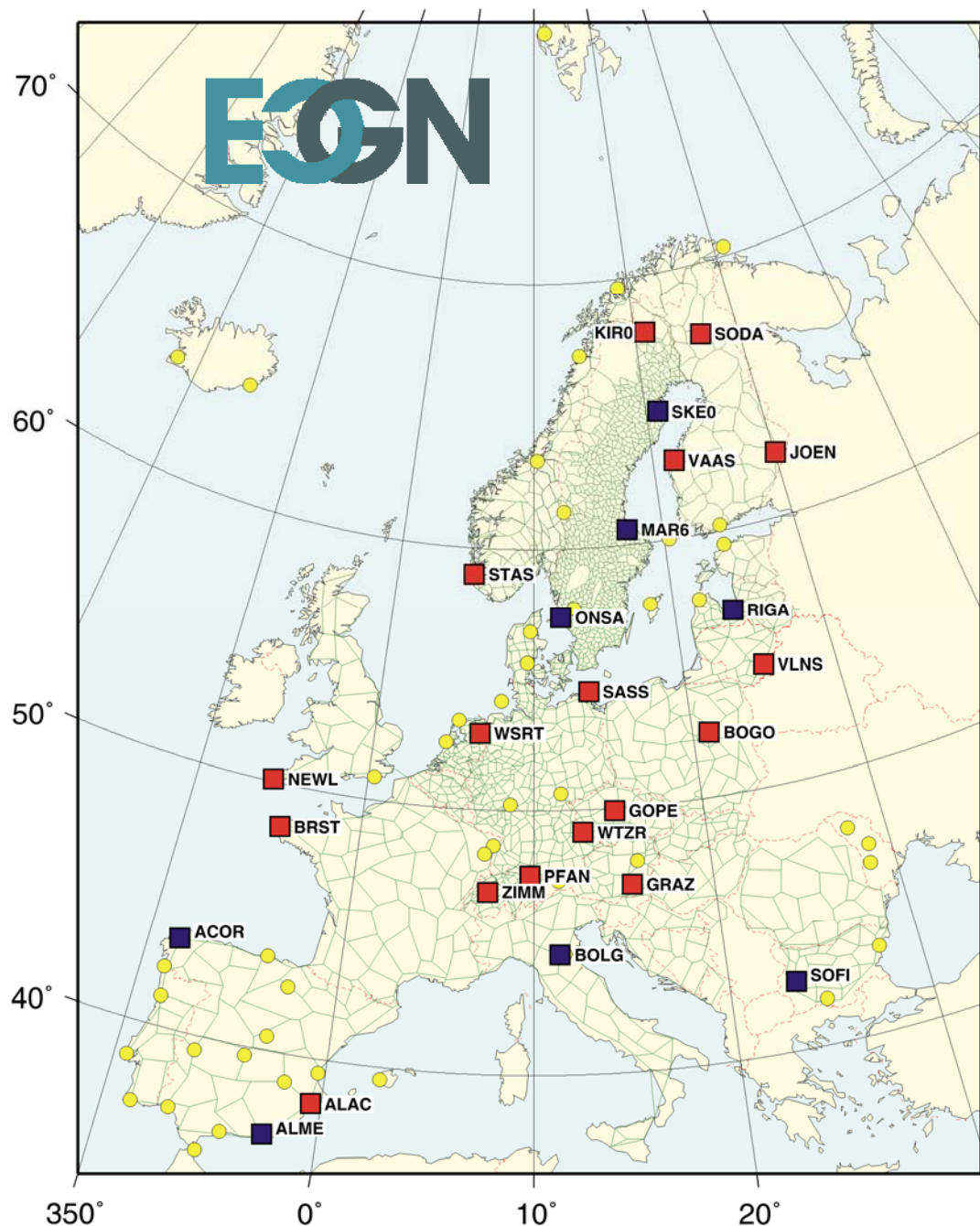
Four-step-approach

- **New (free) UELN adjustment 2007, all participating countries are asked to contribute up-to-date data**
- **Fixing the EVRS2000 datum (NAP) by transformation of UELN2007 with identical (stable) points**
- **Using the ECGN stations for EVRS time evolution**
- **Using IAG EGG 2007 solution (on basis of a IAG GGM) to transform EVRS2007 to align to IVRS**

Action items

- (1) Selection of identical levelling points**
*(UELN-DC together with participating countries
Letter to responsible agencies)* *Dec. 2006*
- (2) Selection of ECGN/EVRS datum points and
determination of all measure elements**
(Letter to responsible agencies) *Dec. 2006*
- (3) New adjustment of the UELN**
(UELN-DC) *March 2007*
- (4) Time series analysis of ECGN stations**
Beginning Jan. 2007?
- (5) Decision about the EVRS level, tide system, sets of
parameter** *(EUREF Symposium 2007)* *May 2006*
- (6) Full parameter determination with EGG07 and IVRS
realization** *Sep. 2007*
- (7) Distribution of results to participating countries**
Nov. 2007



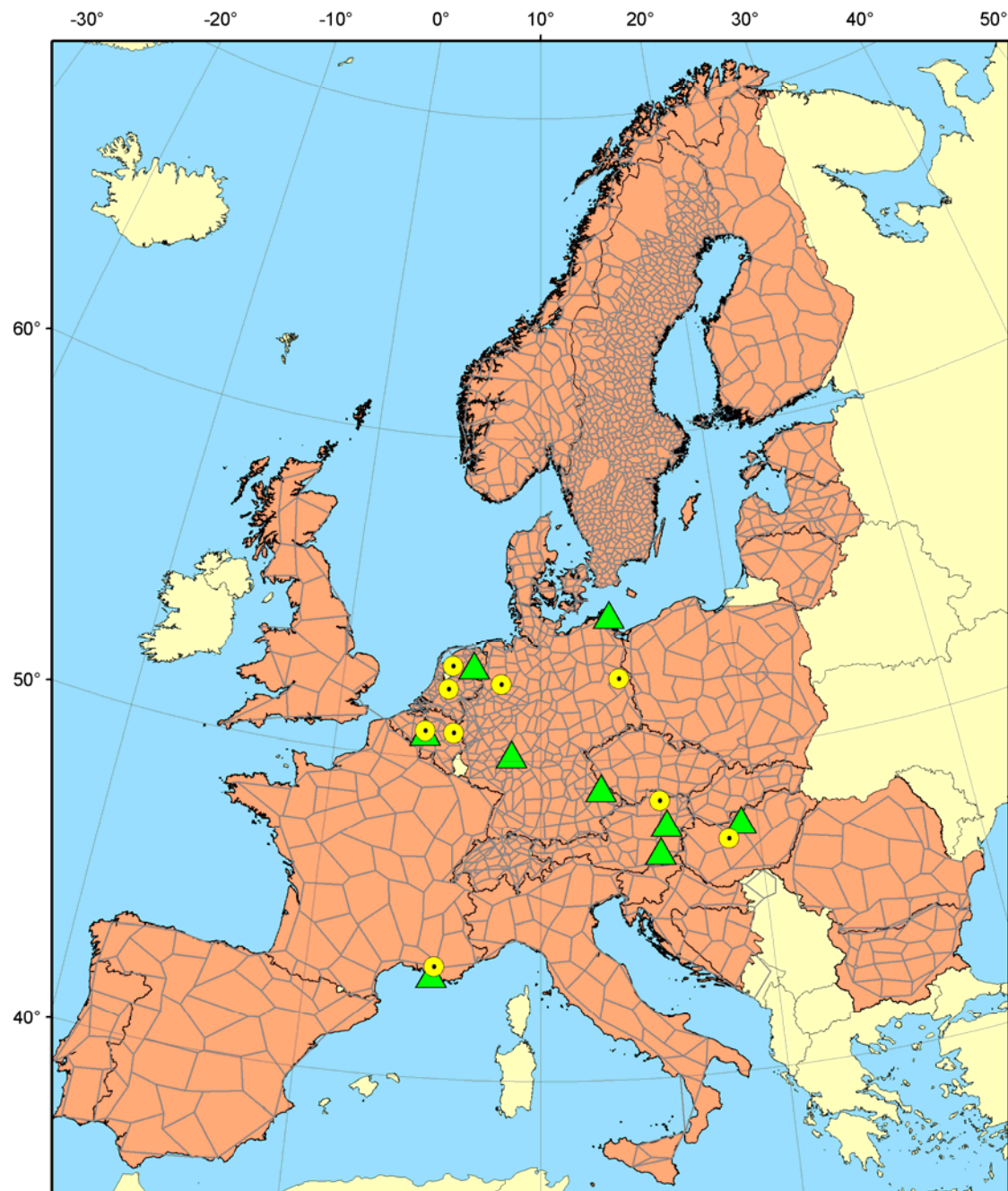


Selected ECGN stations for EVRS2007 time evolution control

- Stations with GNSS, levelling, AG
- Desirable additional stations
- ECGN stations with missing elements

country	answer	proposed datum point	proposed ECGN station
A	x	AT01(connected to 102105)	GRAZ,TRFB
B	x	200038	BRUS
CH			
D	x	Wallenhorst, Hoppegarten	SASS,WTZR,BADH
DK			
E			
F	x	MARS	nearby MARS
I			
NL	x	913000, 913011, 913018	WSRT
P			
H	x	1103000	PENC
CZ			
GB			
N			
S			
FIN			
PL			
SLO			
SK			
HR			
LV	x		
EST			
RO			
LT			

EVR2007 - proposed datum points and ECGN stations



Status 01 March 2007

- Proposed datum points
- ▲ Proposed ECGN stations

