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EUREF-TWG Project: Monitoring of official national ETRF coordinates on EPN web

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After Chisinau (Resolution 3)

- 1.8. (Swiss National Day):
 - MKD-Macedonia (1 site)
 - SRB-Serbia (4 proposed EPN sites)
- 17.8. EST-Estonia: TOR2 – proposed site
- 12.9. MDA-Moldova (1 site)
- 14.9. Update HRV-Croatia (4 in future proposed sites), no coordinates for DUBR (never used in federal surveying)

Proposed sites

- 8.8.2011:

Marker Name	Proposed at	City	Country	DQ (%)		Availability (%)					Latency		Documentation			Meta- data		Rele- vance to EPN	Data		Interested analysis centres	
				0°	15°	Daily		Hourly		RT	Hourly (%)	RT (s)	CL	SL	SP	Daily	RT		AC	DQ		
						BKG	OLG	BKG	OLG													
																						
CSTB	2010-06-09	CastleBar	Ireland	92	100	0	100	0	100	—	0	0	—	✓	✓	✓	✓	—	R	T	✓	IGE, ROB
DIMI	2011-05-04	Dimitrovgrad	Serbia	—	—	0	0	73	0	—	72	0	—	✓	✓	✓	✗	—	—	T	✗	OLG
NPAZ	2011-05-04	Novi Pazar	Serbia	—	—	0	0	0	0	—	0	0	—	✓	✓	✓	✗	—	R	T	✗	OLG
OBE3	2008-02-22	Oberpfaffenhofen	Germany	62	90	100	0	98	97	—	94	90	—	✓	✓	✗	✓	—	—	T	✗	BKG, ROB, BEK
PLND	2011-05-04	Plandiste	Serbia	—	—	0	0	93	0	—	93	0	—	✓	✓	✓	✗	—	R	T	✗	BKG, OLG
SABA	2011-05-04	Sabac	Serbia	—	—	0	0	99	0	—	99	0	—	✓	✓	✓	✗	—	R	T	✗	OLG
TLLG	2010-06-09	Dublin	Ireland	93	100	0	100	0	100	—	0	0	—	✓	✓	✓	✓	—	R	T	✓	IGE, ROB

Move with the mouse over the red cross for more information.

- 16.8.2011:

NC: national ETRF coordinates available at EPN CB

Marker Name	Proposed at	City	Country	DQ (%)		Availability (%)				Latency		Documentation				Meta-data		Relevance to EPN	Data		Interested analysis centres		
				0°	15°	Daily		Hourly		RT	Hourly (%)		RT (s)	CL	SL	SP	NC		Daily	RT		AC	DQ
						BKG	OLG	BKG	OLG		BKG	OLG											
CSTB	2010-06-09	CastleBar	Ireland	92	100	100	100	100	85	—	74	0	—	✓	✓	✓	—	✓	—	R	T	✓	IGE, ROB
DIMI	2011-05-04	Dimitrovgrad	Serbia	82	100	11	0	72	0	—	72	0	—	✓	✓	✓	✓	✗	—	—	T	✗	OLG
NPAZ	2011-05-04	Novi Pazar	Serbia	86	100	11	0	26	0	—	26	0	—	✓	✓	✓	✓	✗	—	R	T	✓	OLG
OBE3	2008-02-22	Oberpfaffenhofen	Germany	62	90	71	0	65	64	—	65	54	—	✓	✓	✗	—	✓	—	—	T	✗	BKG, ROB, BEK
PLND	2011-05-04	Plandiste	Serbia	77	91	4	0	79	0	—	79	0	—	✓	✓	✓	✓	✗	—	R	T	✗	BKG, OLG
SABA	2011-05-04	Sabac	Serbia	66	85	11	0	95	0	—	95	0	—	✓	✓	✓	✓	✗	—	R	T	✗	OLG
TLLG	2010-06-09	Dublin	Ireland	93	100	100	93	90	70	—	83	0	—	✓	✓	✓	—	✓	—	R	T	✓	IGE, ROB
TOR2	2011-08-09	Tõravere	Estonia	—	—	0	0	0	0	—	0	0	—	✗	✓	✓	—	✗	—	R	T	✗	
Move with the mouse over the red cross for more information.																							



Number of EPN sites with official national ETRF coordinates

-  No information (EPN sites)
-  Ok: (CRD delivered / EPN sites)
-  No EPN sites used: (CRD delivered / EPN sites)
-  Coordinates delivered, but no publication on EPN (CRD delivered / EPN sites)
-  Out of geographical scope of ETRS (EPN sites)

Greenland: 4
Israel: 2
Jordan: 1
Morocco: 2
Armenia: 1

Official ETRF coordinates:
28 countries (+ **1** prop. EPN sites)
159 sites (+ **9** prop. EPN sites)

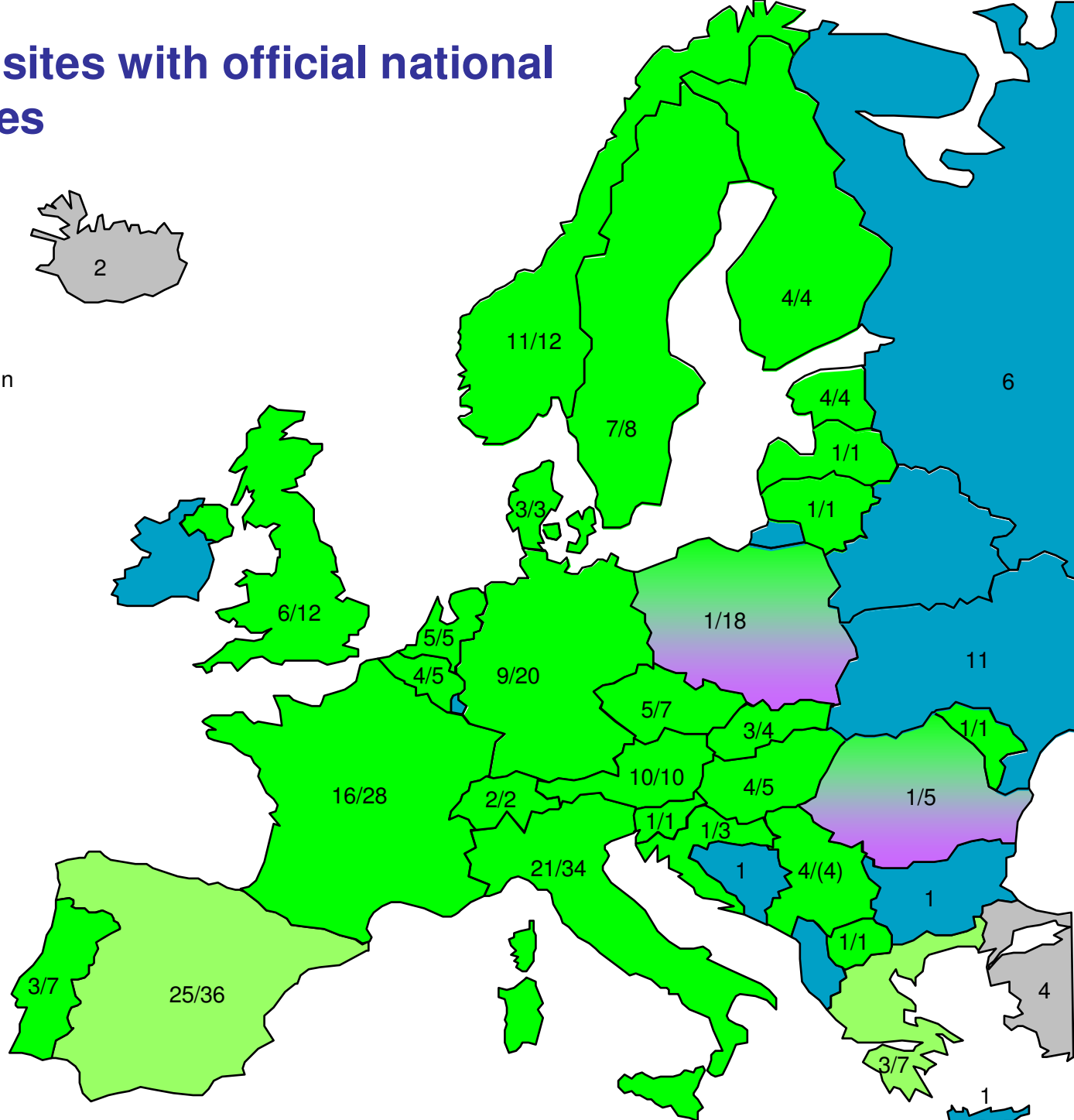
EPN: **40** countries
288 active sites

Status National: 14.9.2011

EPN: 14.9.2011

Monitoring of official national ETRF coordinates on EPN web

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Comparison with EPN reference solution

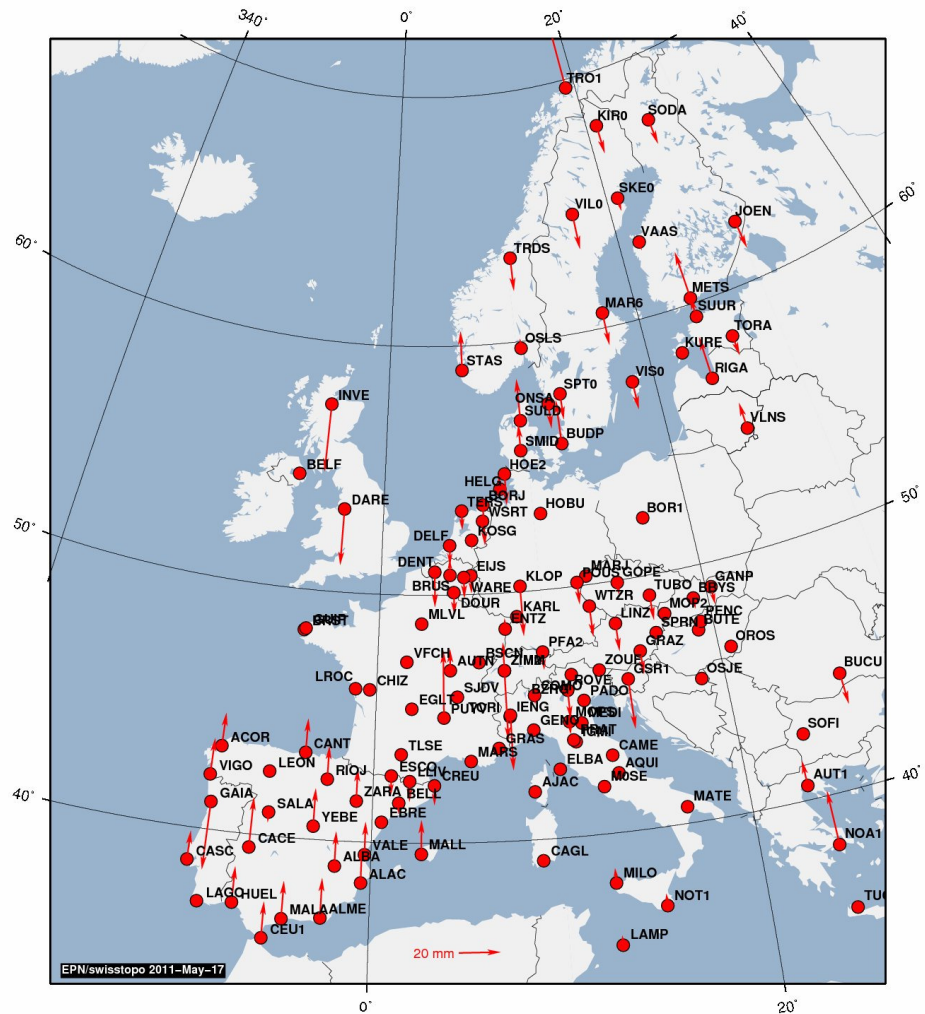
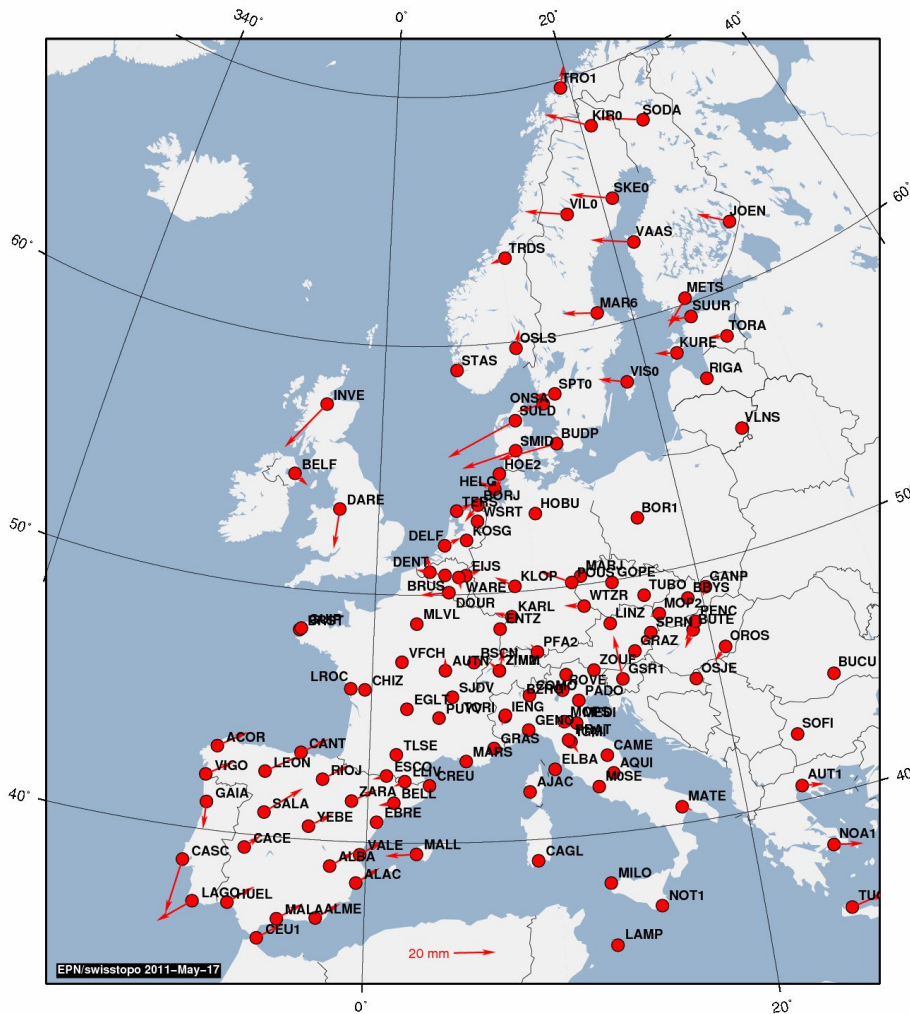
159 stations

28 countries

horizontally

at country
specified epoch

vertically



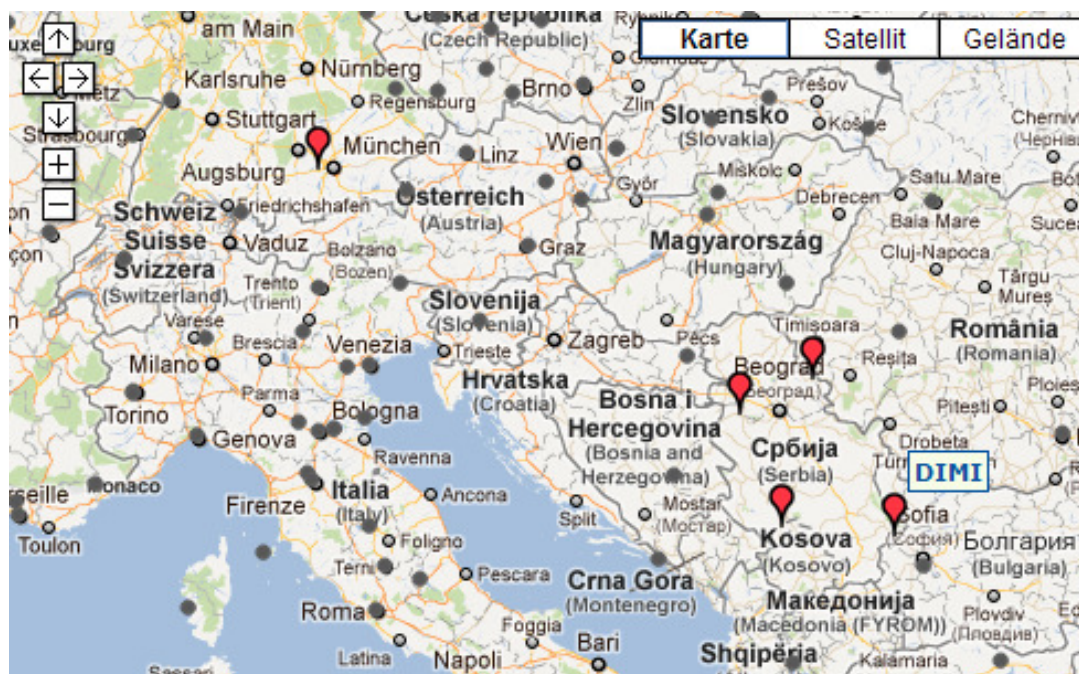


Conclusion

- Project “Monitoring official national ETRF coordinates” is now operational in the EPN.
 - All information available from EPN
 - Almost all possible data are collected in Europe
- Action item remains for Carine/TWG: Adding the delivery of national coordinates to the guidelines and checklist for new EPN stations

Relevance to EPN?

- OBE3: No GLONASS; No RT, No densification, ???
- DIMI: No GLONASS, No RT, close to SOFI, ???



Marker Name	Proposed at	Relevance to EPN
CSTB	2010-06-09	R
DIMI	2011-05-04	
NPAZ	2011-05-04	R
OBE3	2008-02-22	
PLND	2011-05-04	R
SABA	2011-05-04	R
TLLG	2010-06-09	R
TOR2	2011-08-09	R
Move with the mouse		