

EUREF Questionnaire 2011

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#	C ID	Country	Response	ETRS89 adopted	Year of Adoption	Designation of associated CRS	Description of associated CRS	associated campaigns	decribed in CRS-EU data base	provide of information possible	described in other data base
		1	2	3	4	5	6	7	8	9	10
3	AT	Austria	yes	yes	2004	ETRS89 Austria 2002	EUREF Austria 2002 EUREF resolution No 1, EUREF Symposium Toledo, 2003, EUREF publication 13 (page 69)	EUREF Austria 2002	yes	not necess.	www.epsg-registry.org
5	BE	Belgium	yes	yes	1994	BeRef or BE_ETRS89 / LB08	http://www.ngi.be/FR/FR2-1-5-1-6.shtm		yes	not necess.	www.epsg-registry.org
8	HR	Croatia	yes	yes	2004	HTRS96 / TM	www.crs-geo.eu	SLOCRO 94/95/96	yes	not necess.	no
10	CZ	Czech Republic	yes	yes	1991	ETRS89	Declared at the Resolution No. 1 of the XXth EUREF Symposium in Gävle, June 2–6, 2010	EUREF-CZ/H 91 EUREF-CZECH 2009	no	yes	no
12	EE	Estonia	yes	yes	2004	EE_L_EST97 / EST_LAMB	geoportaal.maaamet.ee/eng/Maps-and-Data/Coordinate-Systems-and-Map-Sheet-Indexes/L-EST-Coordinate-System-p360.html	EUREF-Estonia 1997 Validated by EUREF 1999 Resolution No. 2	yes	not necess.	www.epsg-registry.org
13	FI	Finland	yes	yes	2002	EUREF-FIN	Ollikainen et al. (2000): The densification of the EUREF network in Finland. Publications of the Finnish Geodetic Institute 129	EUREF-FIN-96/97	no	yes	www.epsg-registry.org
14	FR	France	yes	yes	2000	RGF93		none	yes	not necess.	www.epsg-registry.org

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		1	2	3	4	5	6	7	8	9	10
15	MK	FYRO Macedonia	yes	no	planned for 2013				no		
16	GE	Georgia	yes	no	planned for 2011						
17	DE	Germany	yes	yes	1991 / 1995 available in all federal states, offical CRS in some states	ETRS89 LS489	www.adv-online.de	EUREF D/NL93, DREF91, C-Networks, SAPOS diagnosis adjustment 2004, DHHN-GNSS2008 (in future)	yes	not necess.	www.epsg-registry.org
18	GB	Great Britain	yes	yes	2001	EUREF GB 2001	EUREF GB 2001 presentation at EUREF 2004 symposium	EUREF GB2001	no	yes	no
19	GR	Greece	yes	no	potential use in future, adopted in cadaster						
20	HU	Hungary	yes	yes	1998	OGPSH ETRS89-XYZ (ETRF2000(R05))	www.fomi.hu/honlap/magyar/szaklap/2007/06/2.pdf	EUREF CSH1991 / EUREF Hungary 2002	yes (pan-EU)	not necess.	www.epsg-registry.org
23	IT	Italy	yes	yes	1996	ETRF89 / ETRF2000	Final results of the Italian RDN of Istituto Geografico Militare Italiano (IGMI) and its alignment to ETRF2000, L. Baroni et al., Bulletin of Geodesy and Geomatics, LXVIII, 3 2009 ftp://olggps.oeaw.ac.at/pub/EUREF_camp/Italy/Final_results_RDN.pdf	ITALREF2009	no	yes	www.epsg-registry.org
25	LV	Latvia	yes	yes	1993 / 2006	LV_LKS-92 / LV_TM	L.Jivall, J.Kaminskis, E.Parseliunas: Improvement and extension of ETRS89 in Latvia and Lithuania based on the NKG 2003 GPS campaign" EUREF Publication No.16(Band 40), Frankfurt am Main 2008, pp 156-162	EUREF NKG2003	yes	not necess.	no

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		1	2	3	4	5	6	7	8	9	10
31	NL	Netherlands	yes	yes	2000	ETRS89	www.ncg.knaw.nl/Publicaties/Groen/pdf/43Referentie.pdf	NEREF EUREF campaign 1994 permanent GNSS network AGRS.NL	yes (pan-EU)		www.epsg-registry.org
32	NI	Northern Ireland	yes	yes	1995	ITM	A new coordinate system for Ireland, Michael Cory, Roy Morgan, Colin Bray And Iain Greenway, UK and Ireland	EUREF EIR/GB 95 EUREF IE/GB 2009	no	yes	www.epsg-registry.org
33	NO	Norway	yes	yes	1993	NO_ETRS89 / UTM			yes	not necess.	www.epsg-registry.org
34	PL	Poland	yes	yes	2000	EUREF89/2000 EUREF89/1992		EUREF POL 92	yes	not necess.	www.epsg-registry.org
35	PT	Portugal	yes	yes	2006	PT-TM06 / ETRS89	http://www.igeo.pt/produtos/Geodesia/Inf_tecnica/sistemas_referencia/Datum_ETRS89.htm	IBERIA95	no	yes	www.epsg-registry.org
6	BA	Rep. Srpska, Bosnia-Herzegovina	yes	no	planned in next 2-3 years						
38	RS	Serbia	yes	yes	2011	SRB_ETRS89 / UTM	The Law on state survey and cadastre (August 2009)	EUREF Serbia 2010	yes (pan-EU)	not necess.	www.epsg-registry.org
39	SK	Slovakia	yes	yes	2001	JTSK03	Realization of transformations from National reference system and National height system to ETRS89", available at www.gku.sk/docs/referaty/2005/Klobusiak.pdf (in Slovak)	EUREF Slovakia 2001	no	yes	no

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40	SI	Slovenia	yes	yes	2003	D96 / TM	Berk, S., Komadina, Ž., Marjanović, M., Radovan, D., Stopar, B. (2004): The Recomputation of the EUREF GPS Campaigns in Slovenia. Report on the Symposium of the IAG Subcommission for Europe (EUREF). Toledo, Spain, 4–7 June 2003. Reports of the EUREF Technical Working Group (TWG) – EUREF publication, no. 13.	EUREF SLOCRO94, Slovenia95 and CROREF96 (combined EUREF Slovenia-94/95/96 solution)	no		no
41	ES	Spain	yes	yes	2007	ETRS89-TM ETRS89-LCC	ftp://ftp.geodesia.ign.es/Cambio_ETRS89/documentacion/Real_Dcreto_1071_2007.pdf	IBERA95 EUREF Balear98	yes (pan-EU)	not necess.	www.epsg-registry.org
42	SE	Sweden	yes	yes	2000	SWREF99	www.lantmateriet.se/upload/filer/kartor/geodesi_gps_och_detaljmatning/Rapporter-Publikationer/LMV-rapporter/LMV_Rapport_2001-06_etr89_analys_Jivall.pdf	EUREF SWEREF99	yes	not necess.	www.epsg-registry.org
43	CH	Switzerland	yes	yes	1995 defintion 2016 binding by law	CH 1903+ LV95 (ETRF93)	EUREF publication no 57, 1996 pp73-84	EUREF CH 92/93	yes	not necess.	www.epsg-registry.org
44	TR	Turkey	yes	no	(2005)	(TUREF concident with ITRF96 Ep. 2005.0)			no (TUREF yes)	not necess.	
45			28	23					16		17

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#	C ID	Country	Monitoring ETRF coord of EPN stations	provide of information possible	official support				condition of use				relation with users			Products	
					Law	Standard	Recommendation	other	always mandatory	in specify situations	complementary	other	user demand	access to coordinates	promotion of system	ITRF2008 planned or used	EUREF / IAG Products
		1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
3	AT	Austria	yes	not necess.	(yes)	no	yes	no	yes partly	yes	no	yes	large	coordinates publicly available	wokrshops, prensentations, webshop	yes for network processing	Definitions and Transformations EPN coordinates EUREF campaign coordinates EUVN-DA EPN observations Realtime GNSS corrections
5	BE	Belgium	yes	not necess.	no	yes	no	no	no	no	yes	no		yes	yes	yes planned	Definitions and Transformations EPN coordinates EVRF2007
8	HR	Croatia	yes	not necess.	yes	no	yes	yes	yes	yes	no	no	medium	coordinates publicly available	workshops, publications, websites	no	Definitions and Transformations EPN coordinates
10	CZ	Czech Republic	yes	not necess.	yes	no	no	no	no	no	yes	no	by GNSS users	coordinates publicly available	technical reports, websites	no	Definitions and Transformations EPN coordinates EUREF campaign coordinates EVRF2007 EUVN-DA Realtime observation using NTRIP EPN observations troposphere parameters
12	EE	Estonia	yes	not necess.	yes	no	no	no	yes	no	no	no	large	coordinates publicly available	technical reports	yes	Definitions and Transformations EPN coordinates EUREF campaign coordinates contribution to TIGA EVRF2007 EUVN-DA Realtime observation using NTRIP EPN observations troposphere parameters Realtime GNSS corrections
13	FI	Finland	yes	not necess.	yes	no	yes	yes	yes	yes	yes	no	requested	coordinates publicly available	technical reports, workshops etc.	no	Definitions and Transformations EPN coordinates EUVN-DA Realtime observation using NTRIP EPN observations
14	FR	France	yes	not necess.	yes	no	no	no	yes	no	no	no	large	coordinates publicly available	technical reports, workshops	yes	Definitions and Transformations Realtime observation using NRTIP EPN observations

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		1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
15	MK	FYRO Macedonia	no														Definitions and Transformations EPN coordinates EPN observations Realtime GNSS corrections
16	GE	Georgia															
17	DE	Germany	yes	not necess.	yes	no	yes	no	no	yes	yes	no	is requested (GNSS users) / moderate	restricetd and public access	strategy of NMA (AdV) is transition to ETRS89, ETRS89 is CRS for new data modell of german surveying, technical reports, workshops, meetings	no	Definitions and Transformations EPN coordinates EUREF campaign coordinates contribution to TIGA EVRF2007 EUVN-DA Realtime observation using NTRIP EPN observations troposphere parameters Realtime GNSS corrections
18	GB	Great Britain	yes	not necess.	no	yes	yes	yes	yes	no	yes	no		coordinates of RTK stations freely available	website of NMA, guidance programm	yes planned	Definitions and Transformations EUREF campaign coordinates
19	GR	Greece			%	%	%	%	%	%	%	%	%	%	%		
20	HU	Hungary	yes	not necess.	yes	no	yes	no	no	yes	yes	no		coordinates available for fee	workshops, training courses	no	Definitions and Transformation EPN EUVN_DA
23	IT	Italy	yes	not necess.	no	yes	no	no	no	no	yes	no	large	coordinates publicly available	technical reports, workshops	yes planned	Definitions and Transformations EPN coordinates EUREF campaign coordinates EPN observations troposphere parameters
25	LV	Latvia	no	yes	yes	no	no	yes	yes	yes	yes	no	large	coordinates publicly available	technical reports, local conferences, national legislations	no	Definitions and Transformations EUREF campaign coordinates EVRF2007 EUVN-DA

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		1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
31	NL	Netherlands	yes	not necess.	no	no	no	yes	no	yes	yes	no	for RTK networks, INSPIRE and X-border projects	publicly available for permanent stations , for fee from base-net points		yes	
32	NI	Northern Ireland	yes	not necess.	no	no	yes	yes	no	yes	no	no	very low	coordinates publicly available		yes planned	Definitions and Transformations EPN coordinates EUREF campaign coordinates Realtime observation using NRTIP EPN observations
33	NO	Norway	yes	not necess.	yes	yes	no	no	yes	no	no	no	large	coordinates publicly available		yes scientific puposes	
34	PL	Poland	yes	not necess.	yes	yes	no	no	yes	no	no	no	widely known among the users	coordinates publicly available	official meetings, conferences and symposia	no	Definitions and Transformations EPN coordinates EUREF campaign coordinates EPN observations troposphere parameters Realtime GNSS corrections
35	PT	Portugal	yes	not necess.	no	no	yes	no	no	yes	no	yes	large	coordinates publicly available	technical reports, websites, conferences	yes planned	Definitions and Transformations EPN coordinates EVRF2007 EUVN-DA
6	BA	Rep. Srpska, Bosnia-Herzegovina			yes	no	yes	no	no	no	no	no					
38	RS	Serbia	no	yes	yes	no	yes	no	yes	yes	yes	no	large	via NMA	technical reports, workshops	yes for network processing	Definitions and Transformations EPN coordinates EUREF campaign coordinates EPN observations troposphere parameters Realtime GNSS corrections
39	SK	Slovakia	yes	not necess.	yes	no	no	no	no	yes	yes	no	large	coordinates publicly available	workshops, technical reports	yes	Definitions and Transformations EPN coordinates

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					Law	Standard	Recommendation	other	always mandatory	in specify situations	complementary	other	user demand	access to coordinates	promotion of system	ITRF2008 planned or used	EUREF / IAG Products
		1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
40	SI	Slovenia	no		yes	no	yes	no	yes	no	no	no	large	coordinates publicly available	conferences, workshops, brochures, articles		Definitions and Transformations EUREF campaign coordinates EUVN-DA
41	ES	Spain	no		yes	no	no	no	yes	no	no	no	medium	coordinates publicly available	technical reports, workshops, websites	yes	Definitions and Transformations EUREF campaign coordinates Realtime observation using NRTIP EPN observations
42	SE	Sweden	yes	not necess.	no	no	yes	no	no	yes	no	no	large interest and growing demand	coordinates publicly available	NMA gives support to all organisations that are changing to SWEREF 99	yes for network processing	Definitions and Transformations EPN coordinates EUREF campaign coordinates EVRF2007 (EUVN-DA) EPN observations troposphere parameters Realtime GNSS corrections
43	CH	Switzerland	yes	not necess.	yes	yes	yes	yes	yes 2016	yes	yes	no	large till medium	coordinates publicly available	activities, workshops, websites, transformation service	no	Definitions and Transformations EPN coordinates EVRF2007 EUVN-DA Realtime observation using NTRIP EPN observations troposphere parameters Realtime GNSS corrections
44	TR	Turkey														no	
45			19		17	6	13		13	13	12					14	