

## ■ Informationssystem for European Coordinate Reference Systems

CRSEU

Coordinate Reference Systems  
in Europe



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### Information and Service System for European Coordinate Reference Systems

This Information and Service System for European Coordinate Reference Systems was established to support the users of spatial information in Europe.

It is a common project of:

Service

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Imprint



Bundesamt für  
Kartographie und Geodäsie

Bundesamt für Kartographie und Geodäsie (Federal Agency for Cartography and Geodesy), Germany



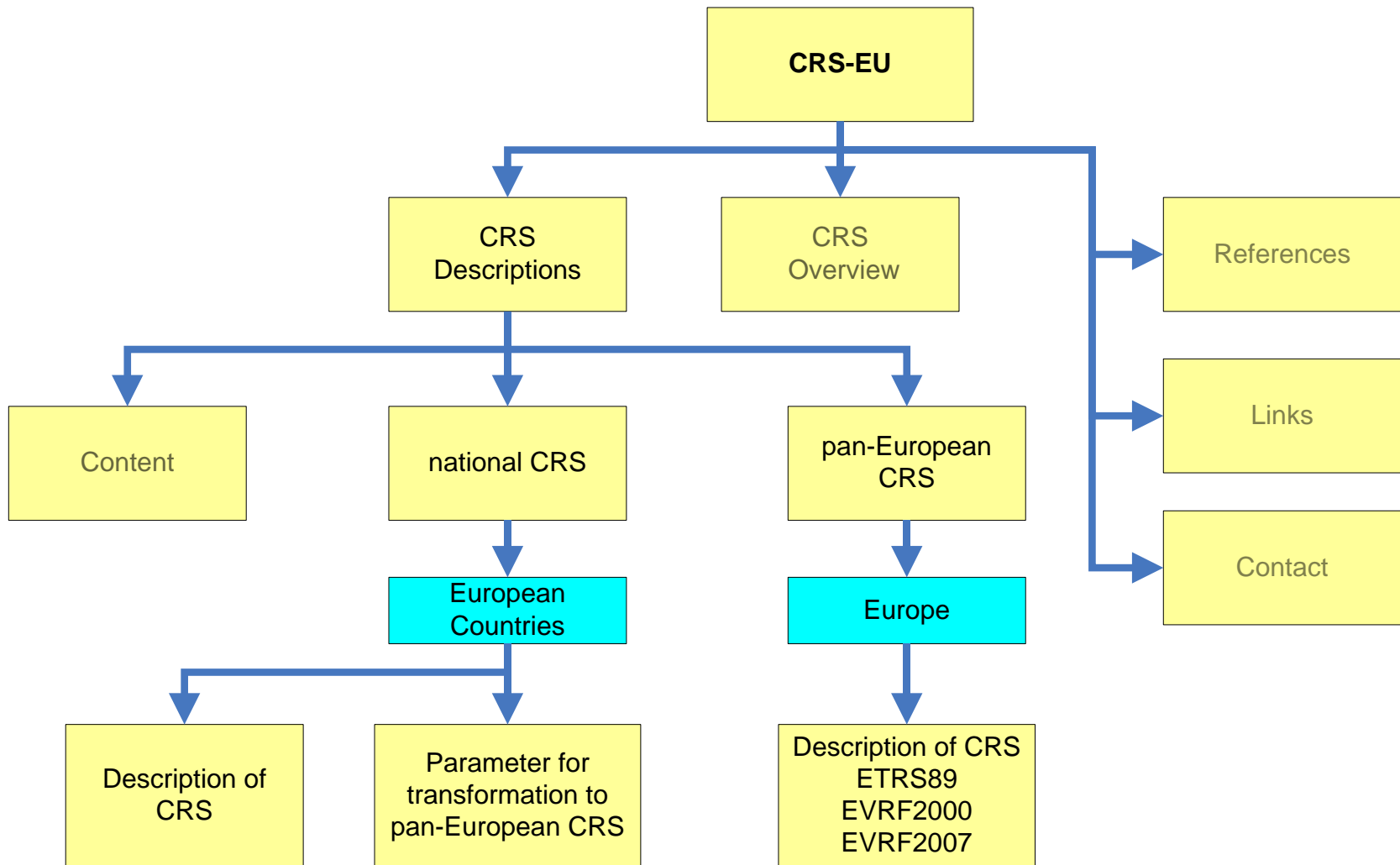
EuroGeographics as the central-hub for Europe's Geographic Information (GI) developments  
- a unique and diverse network working of all concerned with European GI, National Mapping and Cadastral Agencies (NMCAs), the European Commission and others



EUREF (European Reference Frame) as Sub-Commission of IAG's (International Association of Geodesy) Commission X on Global and Regional Geodetic Networks with the main task to established and maintenance of the European Reference Frames



- common project of EUREF / BKG / EuroGeographics
- address [www.crs-geo.eu](http://www.crs-geo.eu)
- information
  - were provided from the National Mapping Agencies (NMA)
  - or prepared / compiled by BKG and agreed with NMA
  - always unified and prepared regarding ISO-Standard 19111





- description of pan-European CRS
  - EVRF2007  
e.g. EVRF2007\_AMST / NH [as PDF](#)
  - transformation parameters from national CRS of height to EVRF2007 for 26 countries  
e.g. DE\_AMST / NH to EVRF2007 [as PDF](#)
  - nevertheless, transformation parameters to EVRF2000 are furthermore contained
  - description of national CRS (height) were added for 7 countries
- possibility of online-transformation of single points for heights



# CRS-EU Onlinetransformation Heights

## Online transformation

DE\_AMST / NH to EVRF2007

### Source

national height

DE\_AMST / NH [m]   
(DHHN92 EPSG code: 5783)

### ETRS89 position of point

Latitude [DMS]

Longitude [DMS]

Longitude wrt Greenwich and positive to East

### Target

pan-European height

EVRF2007 [m]  RMS of transf. [m]

Compute

Although we strive for the highest quality of data and data products, we can not make any warranty for the correctness and for damage from the application of this service. Any liabilities is excluded by the operator of the websites.



- in April 2010 TWG sent letters to NMAs with
  - calculated transformation parameters to EVRF2007
  - draft of description of national vertical reference system in the case of implementation of a new CRS in the respective country
  - ask for verifying the data, supplement missing data and details
  - ask for agreement to publish the information in CRS-EU
- 27 countries were contacted, about half of them replied
- only verified information have been released in CRS-EU (see the table)



# Status of the information in CRS-EU (height)

Country	CRS-Description	CRS-Description (new)	Transformation to EVRF2000	Transformation to EVRF2007
Austria	released		released	existing
Belgium	released		released	released
Bosnia / Hercegovina	existing		existing	existing
Bulgaria	released		released	released
Switzerland	released		released	released
Czech Republic	released		released	released
Germany	released		released	released
Denmark	released		released	existing
Estonia	released		released	released
Spain	released		released	existing
Finland	released	existing	released	existing
France	released		released	existing
Great Britain	released		released	existing
Croatia	released	released	released	released
Hungary	released		released	existing
Italy	released		released	released
Lithuania	released		released	released
Latvia	released		released	released
Netherlands	released	existing	released	existing
Norway	released	existing	released	existing
Poland	existing	existing	existing	existing
Portugal	released		released	existing
Romania	released		released	released
Russia	existing		<i>EVRF2000 not available</i>	<i>EVRFxx will be available future</i>
Sweden	released	released	released	released
Slovenia			released	existing
Slovak Republic	released	released	released	released
Turkey	released		<i>EVRF2000 not available</i>	<i>EVRFxx will be available future</i>
Ukraine	existing		<i>EVRF2000 not available</i>	<i>EVRFxx will be available future</i>