

EUREF related activities in Belgium

Report based on contributions of:



National Geographic Institute

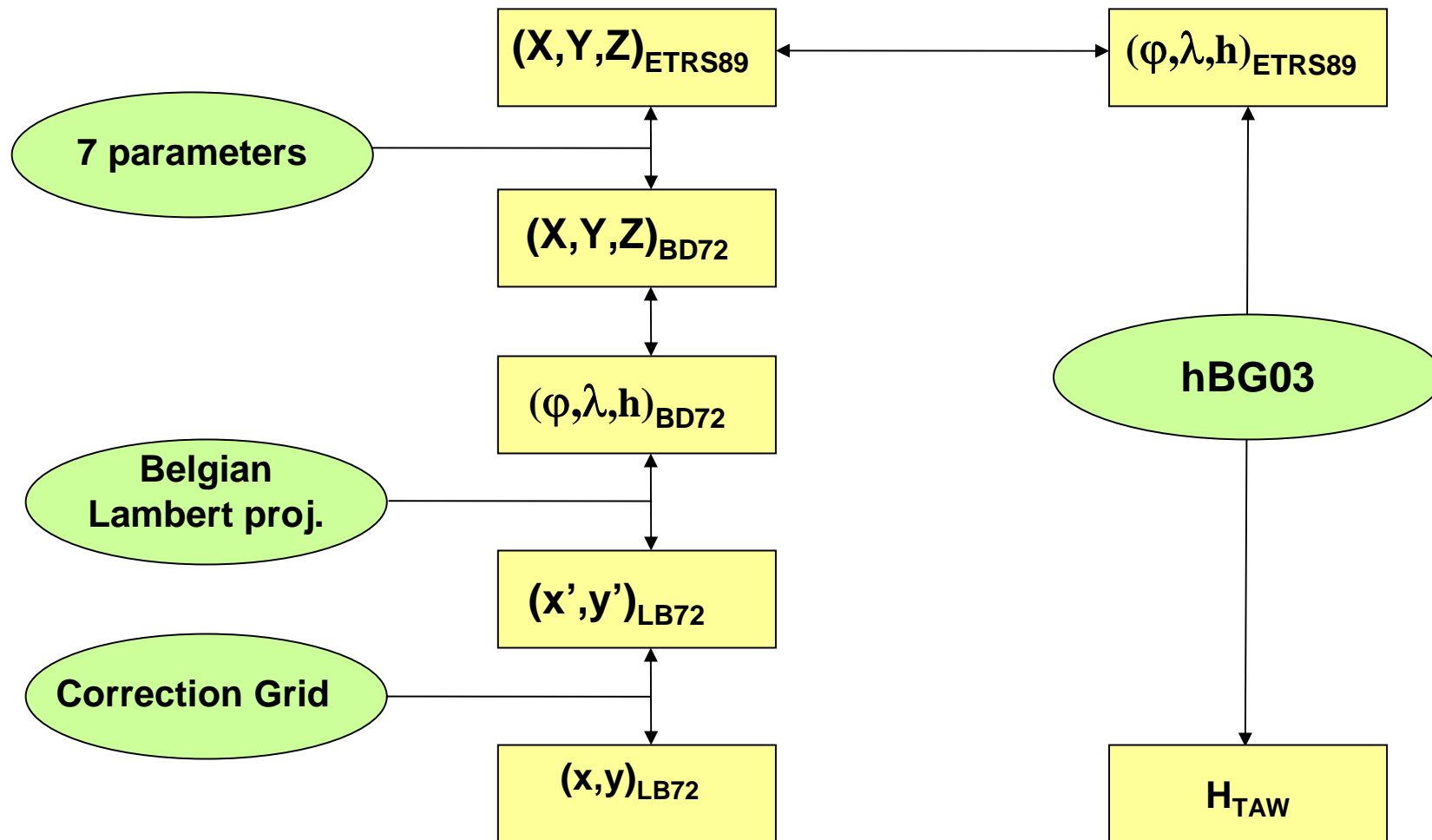


Royal Observatory of Belgium

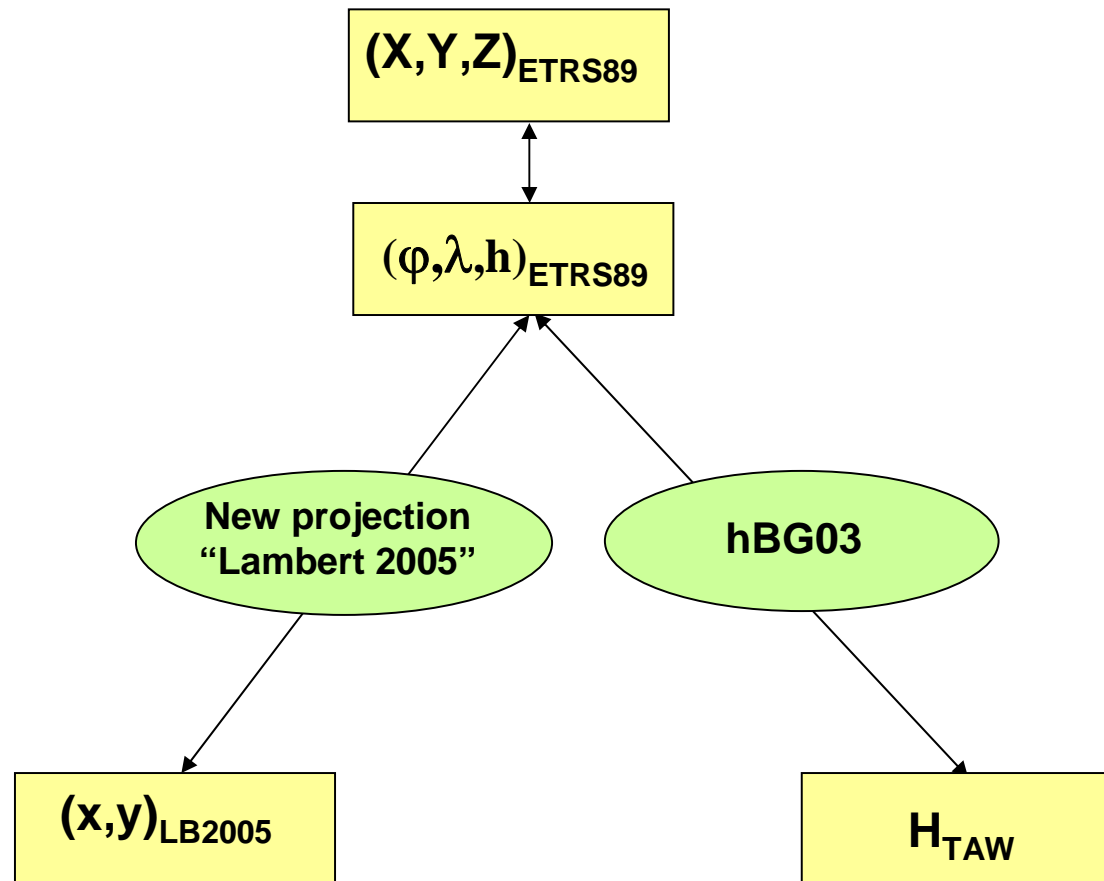
Topics:

- New national map projection
- Contribution to the EPN
- Atmospheric effects in space geodesy
- Ongoing research

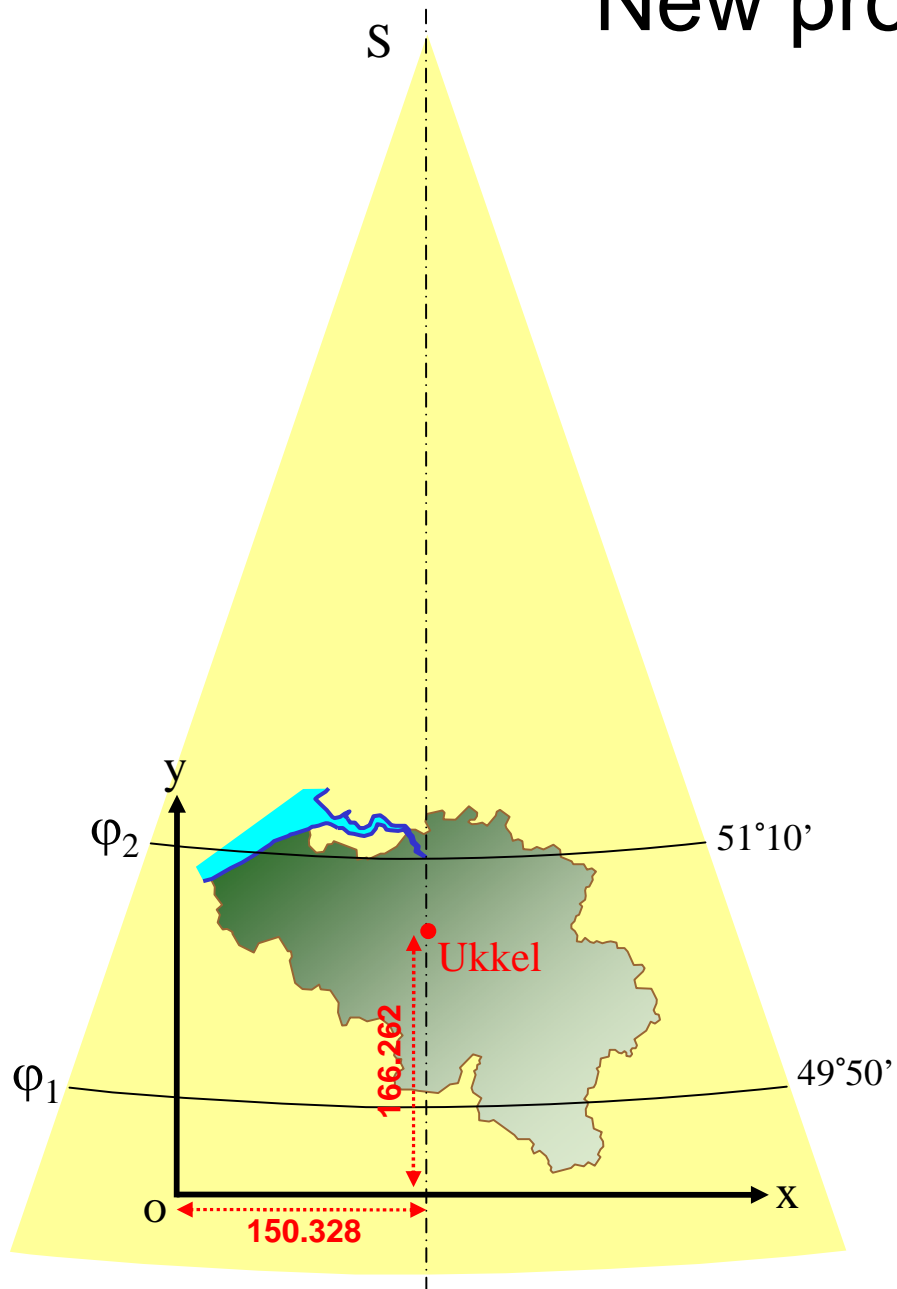
Transformation between ETRS89 and national reference systems



New map projection



New projection Lambert 2005



Based on Geodetic datum ETRS89
using Ellipsoide GRS 80

Conformal conic Lambert projection
with 2 parallels

Standard parallels

φ_1 49° 50' N
 φ_2 51° 10' N

Origin

latitude origin 50° 47' 52" 134 N
central meridian 4° 21' 33" 177 E

False easting and northing

x_0 150 328 , 0 m
 y_0 166 262 , 0 m

Switching from Lb72 to Lb05

- User community has been consulted and a majority was in favour of the new projection
- Has to be validated by the NGI management board probably towards the end of the year
- Some utilities for the users of national coordinates: transformation programs, dll-files, ...