

EUREF 2004 Symposium

National Report of PORTUGAL

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Bratislava, Slovakia

2 - 5 June, 2004

National Permanent GPS Stations Network

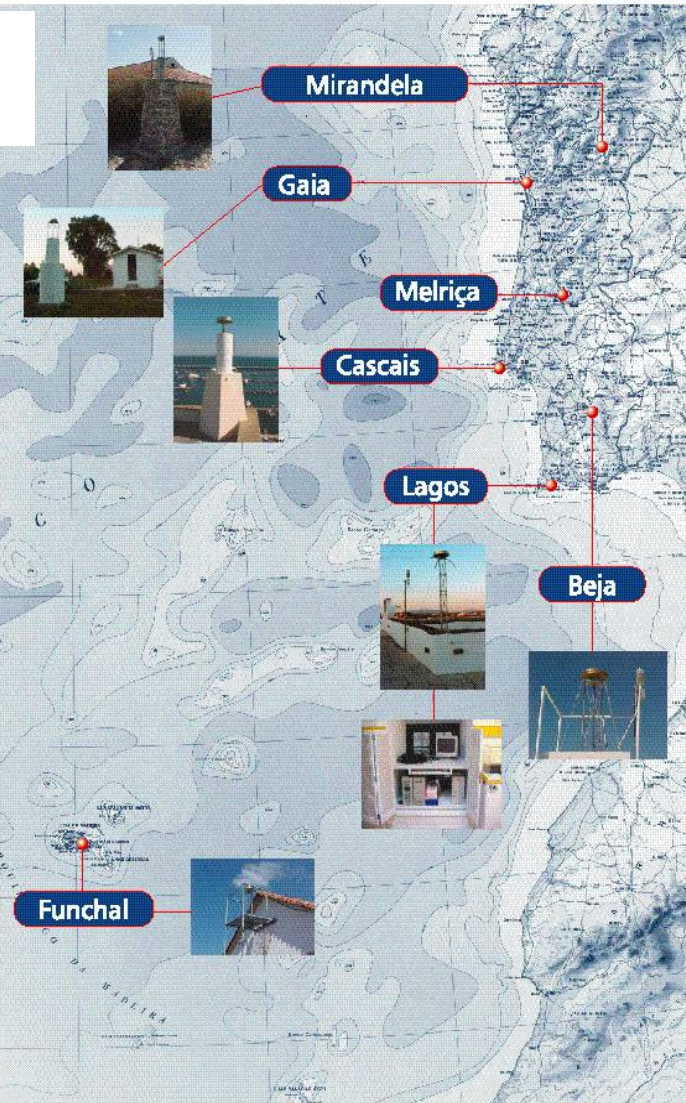
ReNEP - GPS

Status June 2004

**Flores
(2004?)**

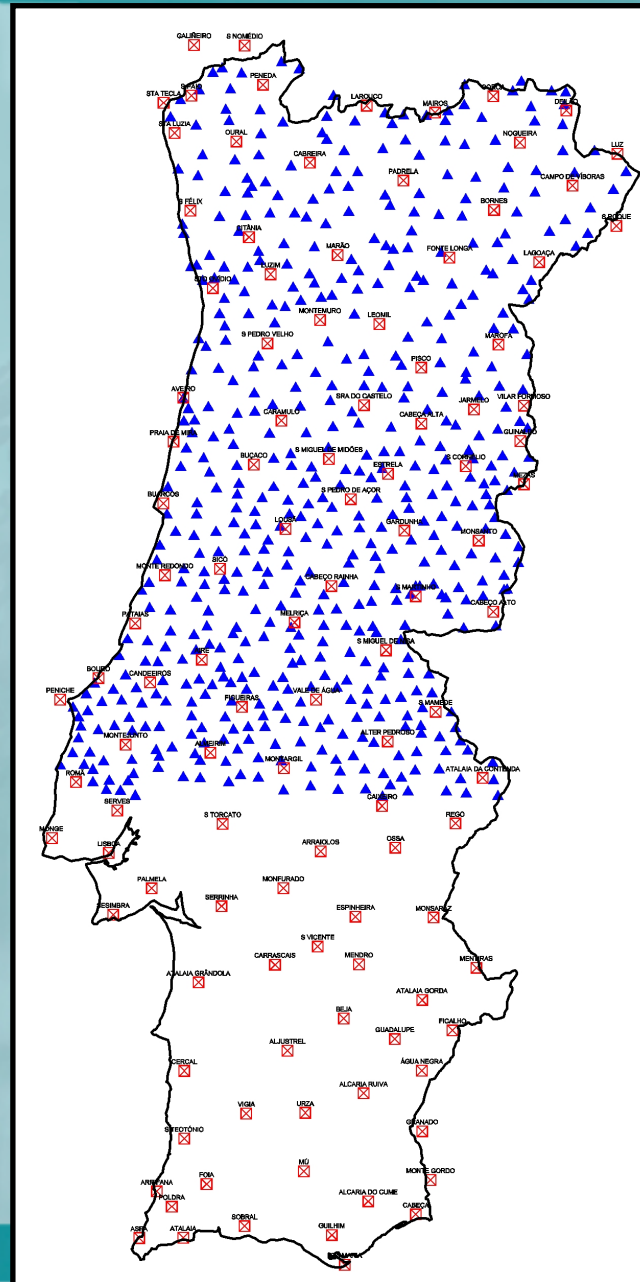
**EUREF EPN: CASC,
GAIA, LAGO, PDEL**

**Hourly Files: CASC, GAIA,
PDEL**



National Geodetic Network measured with GPS

- ☒ 1st order network
- ▲ 2nd order network



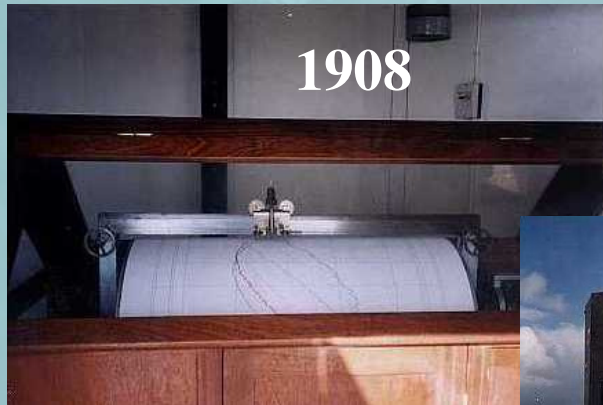
2nd order
GPS
observation
will be
completed
in 2004



Tide Gauges



1882



1908



Cascais

Lagos

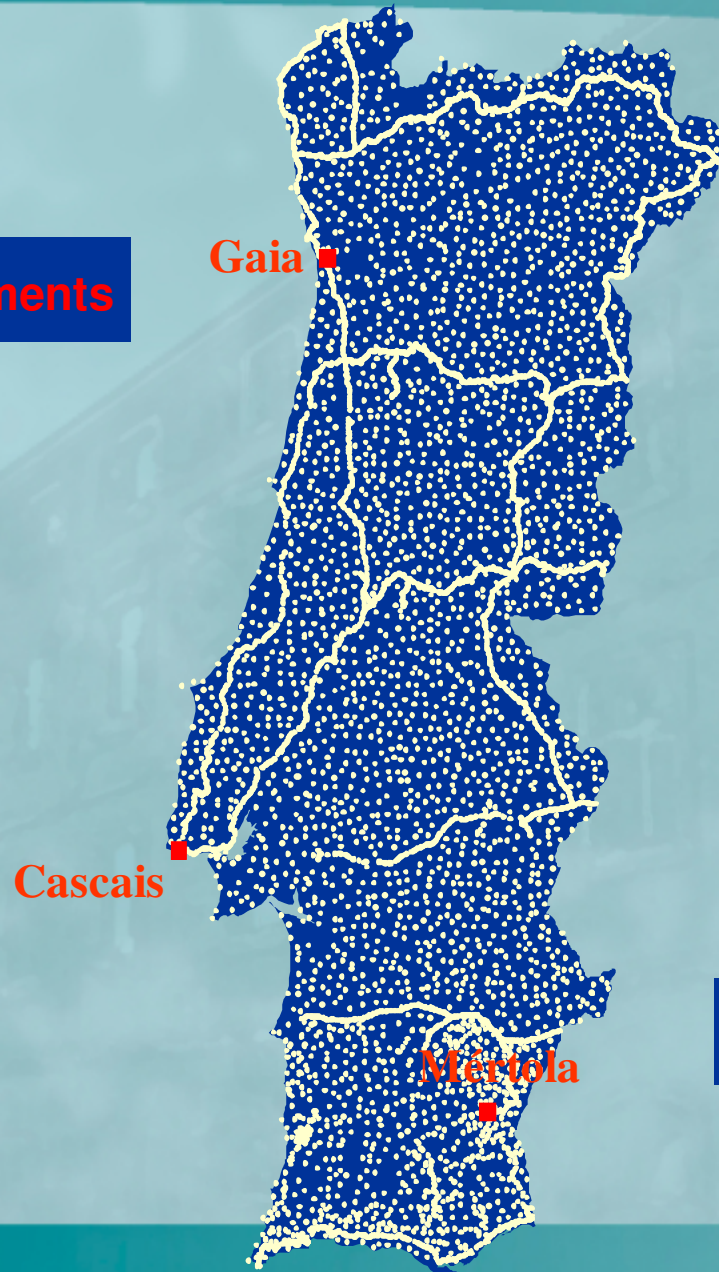


2003 / 2004



Gravimetric Network

■ Absolute Measurements



● Relative Measurements

Astronomic Measurements

ICARUS System

**developed by
ETH Zürich**

★ 1999

★ 2001

★ 2004



59 Points

