



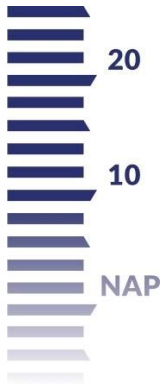
EUREF 2018 SYMPOSIUM

AMSTERDAM 30 May – 1 June 2018



Outline presentation

- NCG
- Frameworks for the world



EUREF 2018 SYMPOSIUM

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NCG (Centre for Geodesy and Geo-informatics)

- The Netherlands Geodetic Commission (Rijkscommissie voor Graadmeting en Waterpassing) was set up by Royal Decree of 20th February 1879. The Royal Decree defined the duties of the Commission as follows:
 - a. To continue and complete the triangulation measurements on behalf of the **European Arc-measurement**.
 - b. To continue and complete the precise levelling network.
 - c. To coordinate the work for those two surveys.

Now (139 years later)

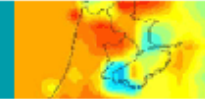


**Classification and Change Detection in Multi-Epoch
Airborne Laser Scanning Point Clouds**

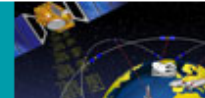
**Reconstructing and Correcting 3D Building Models
using Roof Topology Graphs**

Guided Close Range Photogrammetry for 3D Modelling

**Land Subsidence & Sea level
Change**



**Geodetic Infrastructure &
Reference Systems**



Geo-Information Infrastructure



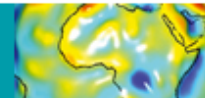
Marine Geodesy



Core Spatial Data



Geodesy

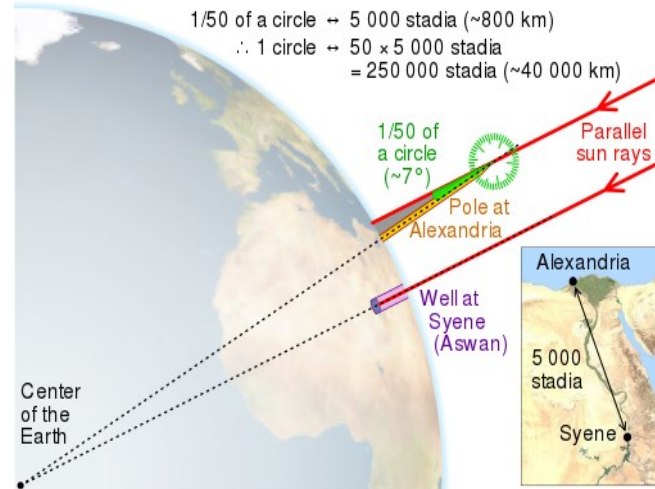


First framework

- Geodetic reference system

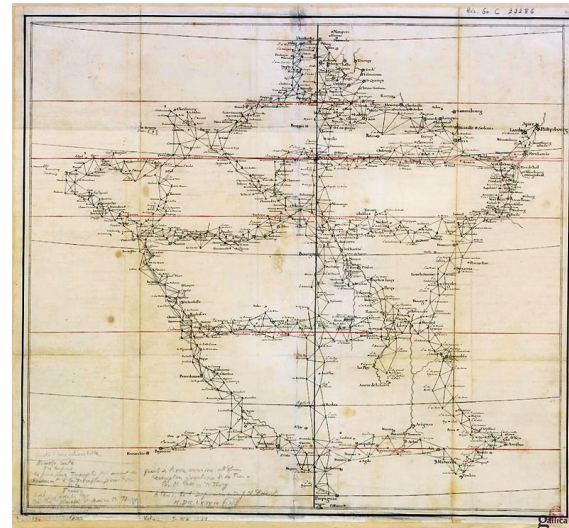


Eratosthenes



Second framework

- Systematic topographic survey



Cassini family

Third Framework

- Spatial Data Infrastructures (SDI)

Layers

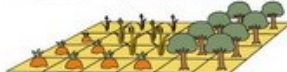
Communication networks



Land and water transactions



Land use



Farm holdings



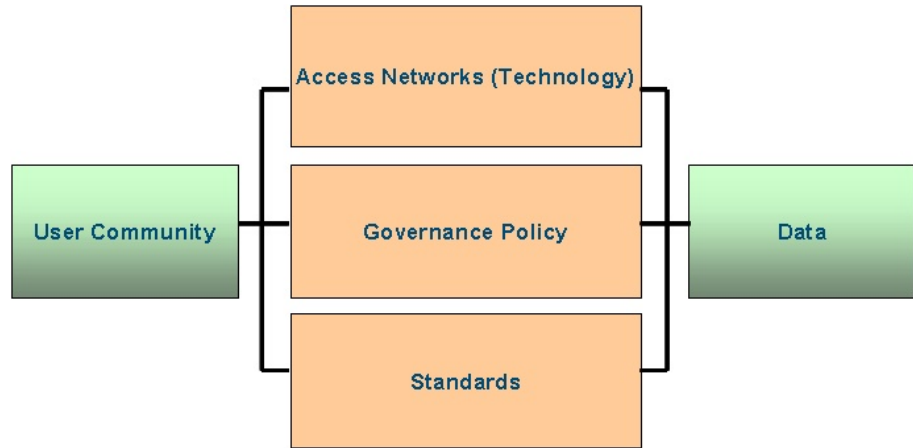
Ownership



Soil properties



Water flow



Conclusion

- The second and third framework need the first framework
- Your activities are vital for framing the world!