BELNET Grid Initiative - BEgrid CP/CPS

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BEgrid CP/CPS

- CP /CPS essentially written on the base of Dutch, UK and … CP/CPS

- applies to BEgrid and hopefully accepted for DataGrid

- Subordinate certification authorities will be allowed ???

BEgrid

Belnet: the Belgian Research Network

BEgrid: the result of the Belnet Grid Initiative

- ➔ 15 CPUs at Belnet
- ➔ IIHE (VUB –ULB) – 15 CPUs
- ➔ e-Health project (VUB-ULB) – 14 CPUs
- ➔ University of Antwerp – 6 CPUs
- ➔ University of Gent
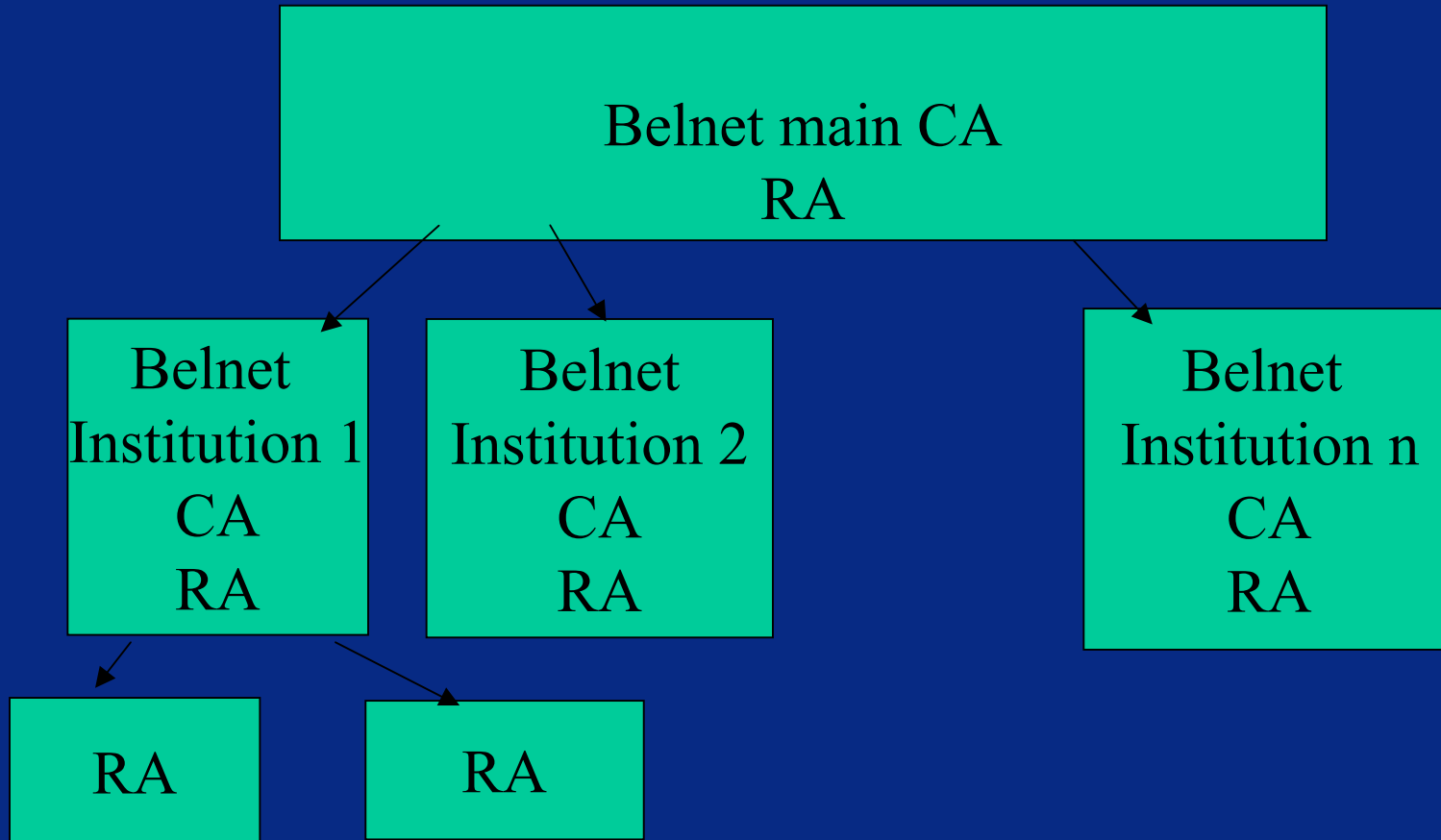- ➔ University of Namur

BEgrid

- Cenaero – aeronautical research
- Cetic – Walloon Region Research Center
- Flemish Community – 715.000 € in grid equipment for flemish research institutions

BEgrid

EDG middleware

BEgrid CP/CPS Structure

Belnet main CA
RA

Belnet Institution 1 CA RA

Belnet Institution 2 CA RA

Belnet Institution n CA RA

RA

RA

BEgrid CP/CPS

Subordinate RAs

→ Impossible for Belnet to identify a person really belongs to an instution

Subordinate Cas

→ expansion of BEgrid – not enough manpower available at Belnet

BEgrid CP/CPS

In a first instance Belnet executes CA and RA

Needs a discussion with each institution - CP/CPS rules have to be followed

BEgrid CP/CPS

CA "infrastructure" has been set up and tested at Belnet

OpenSSL is being used

Web interface from Dutchgrid

Documentation is being written

BEgrid CP/CPS

Problem perceived with subordinate CAs:

→ CRL, coordination needed to have one correct CRL at all times

Discussion to opt for model without subordinate CAs