

Building sustainable institutions for the Mediterranean

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Context

- RENATER is the French NREN, member of the GEANT consortium, and gives support to most international projects undertaken by DANTE and GEANT (EU-NREN)
- RENATER partnered with EUMED-Connect, ALICE and TEIN



REMARK 1

- Network connectivity with other regions (outside Europe) trends to organize on regional organisations or clustering of NRENs
- ALICE made better than expected in terms of organisation (CLARA + all LAC NRENS)
- TEIN made better than expected in terms of financing (Developing AND developed countries)



REMARK 1

- Mediterranean area has the opportunity to make better than expected both in terms of finances AND organisation



REMARK 2

- Europe has suffered from the US-Centric IT infrastructure till early 2000's. This is over now.
- Europe is not intending or planning to play the same role wrt developing countries today.
- Incentive funding for regional interconnects is needed, but:
- The long term vision is a fair and balanced relationship between regions!



REMARK 2

- That means that partner regions are organized as such and self-supported in a sustainable way, including to support their fair share of global connectivity



REMARK 3

- Regional organization means primarily regional traffics, not just traffics with EU or NA
- Sharing of resources may rely on common research infrastructures (SESAME, HPC, Grid systems, etc.), common cultural heritage (linguistic, archeology, etc...), common social environment, common life sciences facilities, etc..



REMARK 3

- European examples of integrating infrastructures:
 - SSH:
 - SHARE: Ageing of population and consequences
 - CESSDA, ESS: Social Data archive and monitoring
 - DARIAH: Cultural heritage
 - CLARIN: Linguistic resources



REMARK 3

- European examples:
 - Life Sciences
 - ELIXIR: Bioinformatics
 - ECRIN: Network of Clinical Research
 - BBMRI: Biobanks
 - INSTRUMENT: Structural Biology
 - EATRIS: Translational Medicine



REMARK 3

- European examples:
 - Environment
 - ICOS/IAGOS: Atmosphere monitoring (CO₂)
 - EUFAR: Aircraft fleet
 - EUROFLEET: Oceanographic fleet
 - Etc...



REMARK 4

- In the classical model of offer/demand:
 - Offer is needed and helpful for getting things started
 - Demand is the key factor for justifying and reaching sustainability

