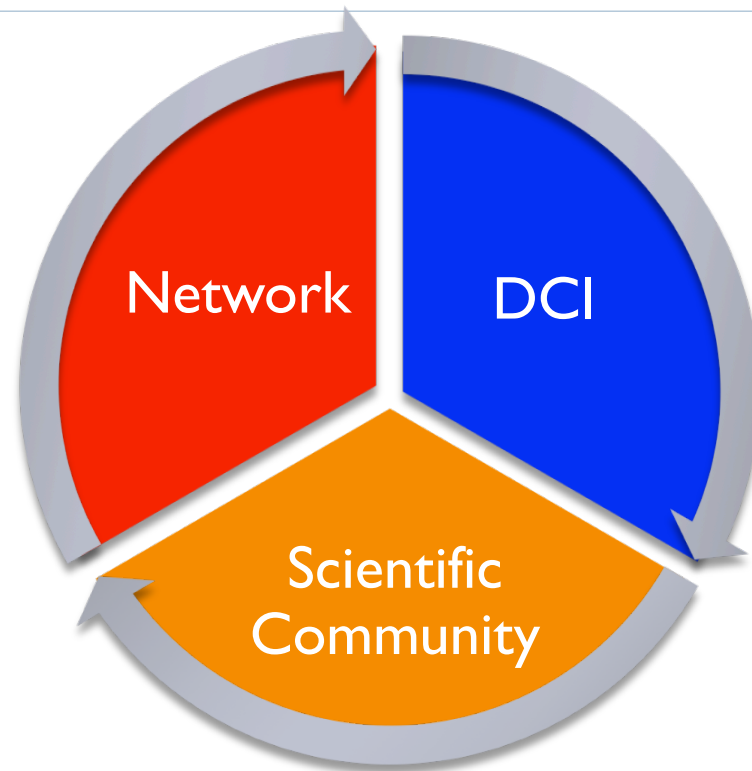


# **e-Infrastructures in Armenia: Societal challenges and International Collaborations**

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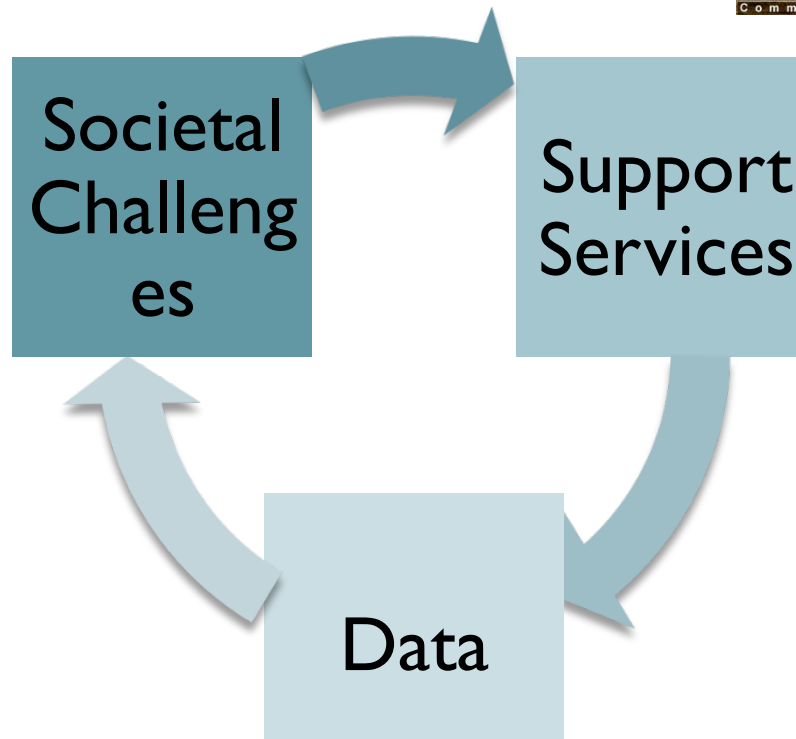


# Role of e-Infrastructures: Tackling Societal Challenges

- Astronomy
- Biology
- Microbiology
- Chemistry
- Climatology
- Geology
- Armenology

State:

- **Ecology:** Large-scale industrial activities (mining, chemical and electrical industry, machine construction).
- **Seismology:** seismic risk reduction in Armenia, the population residence hazard mitigation and the state economic and social loss reduction results from earthquake.
- **Climate change:** NWP, GIS



► **Enabling integrated scientific data sharing by establishing national repository centres in different domains**

# Needs for International Collaboration

## Collaboration with global virtual communities; large scale collaborations

- Scientific Challenges
- Social Challenges

## New innovative services

- GEANT
- Clouds
- Portals

## Demands from new generation pan-European facilities and infrastructures

- LHC
- HUBBLE
- GEOSS
- ESFRI Projects

## Digital knowledge transfer assistance

- Intensive training of trainers and **professions**
- Joint Projects
- Dissemination and networking