

# The Baltic Ring

## The 5<sup>th</sup> Freedom Knowledge Network

**René Buch**

CEO

# NORDUnet

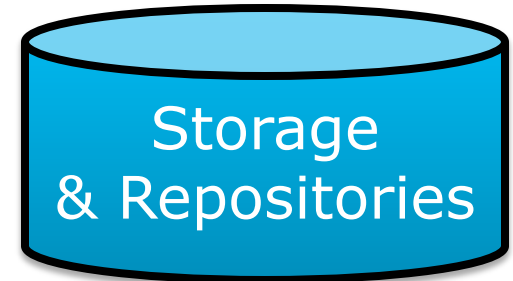
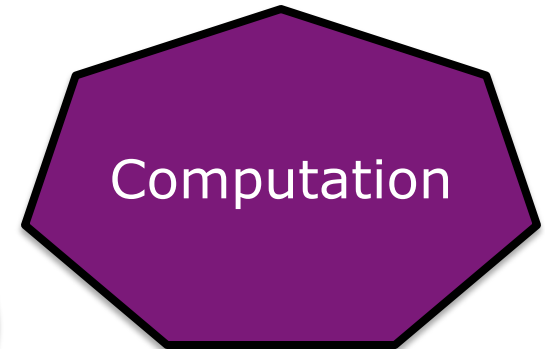
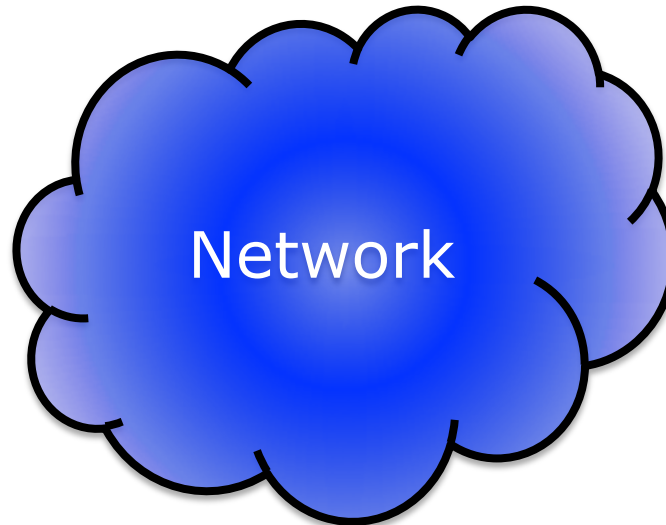
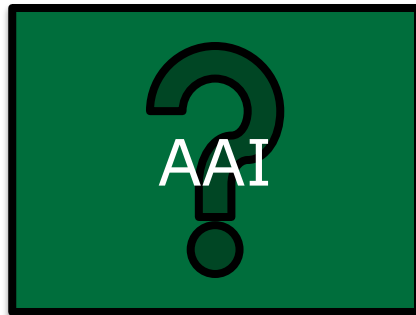
Nordic Infrastructure for Research & Education

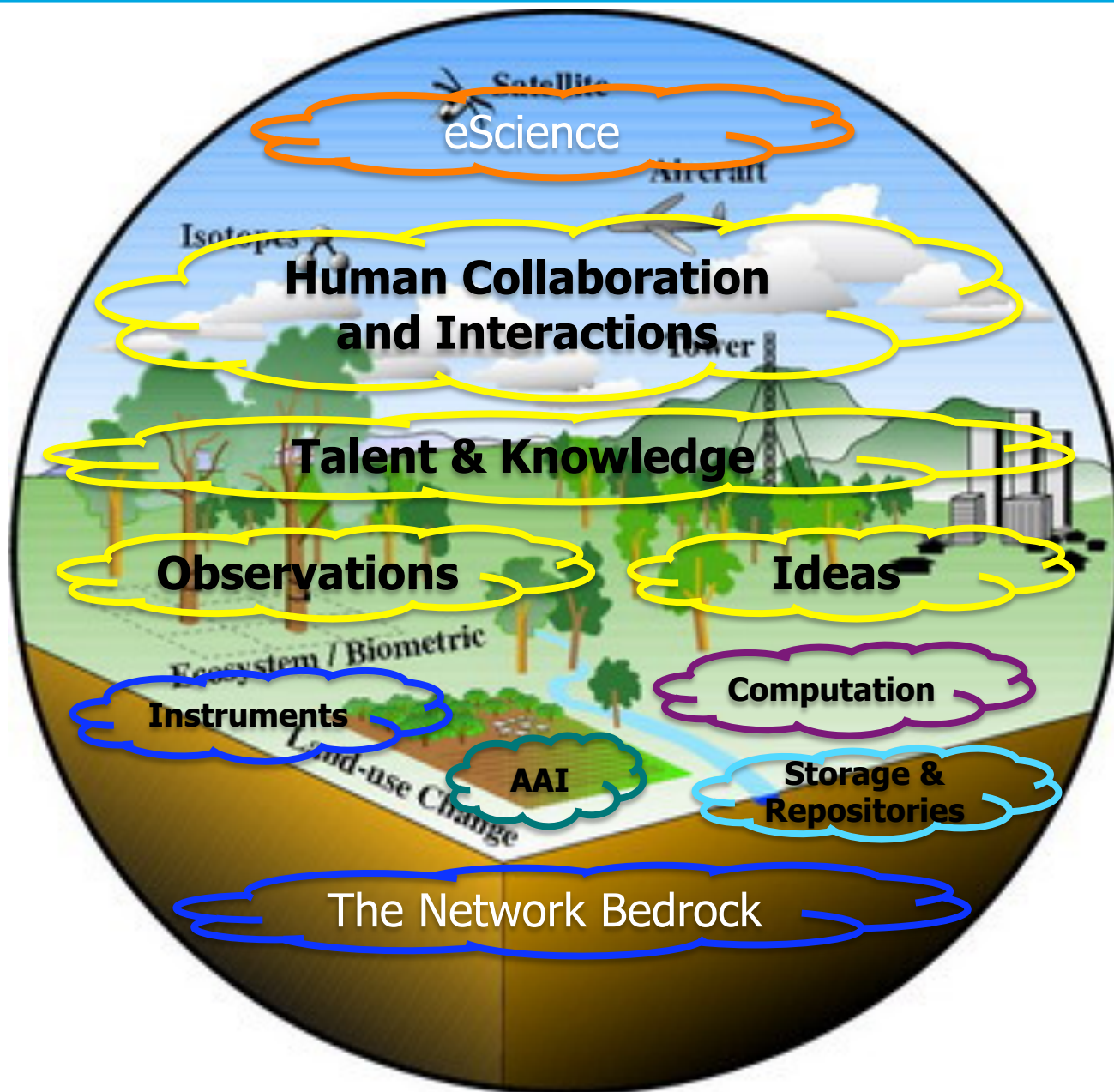
**The term typically refers to the technical structures that support a society, such as:**

- **roads,**
- **water supply,**
- **sewers,**
- **electrical grids,**
- **telecommunications, and so forth,**

**and can be defined as:**

***"The physical components of interrelated systems providing commodities and services essential to enable, sustain, or enhance societal living conditions."***





- **The Four Freedoms in European Union Law**
  - Free movement of:
    - Goods,
    - Capital,
    - Services,
    - People.
- **The Fifth freedom:**
  - The free movement of knowledge



**A Feasibility study funded by the Nordic Council of Ministers**



## PROJECT EUROPE 2030

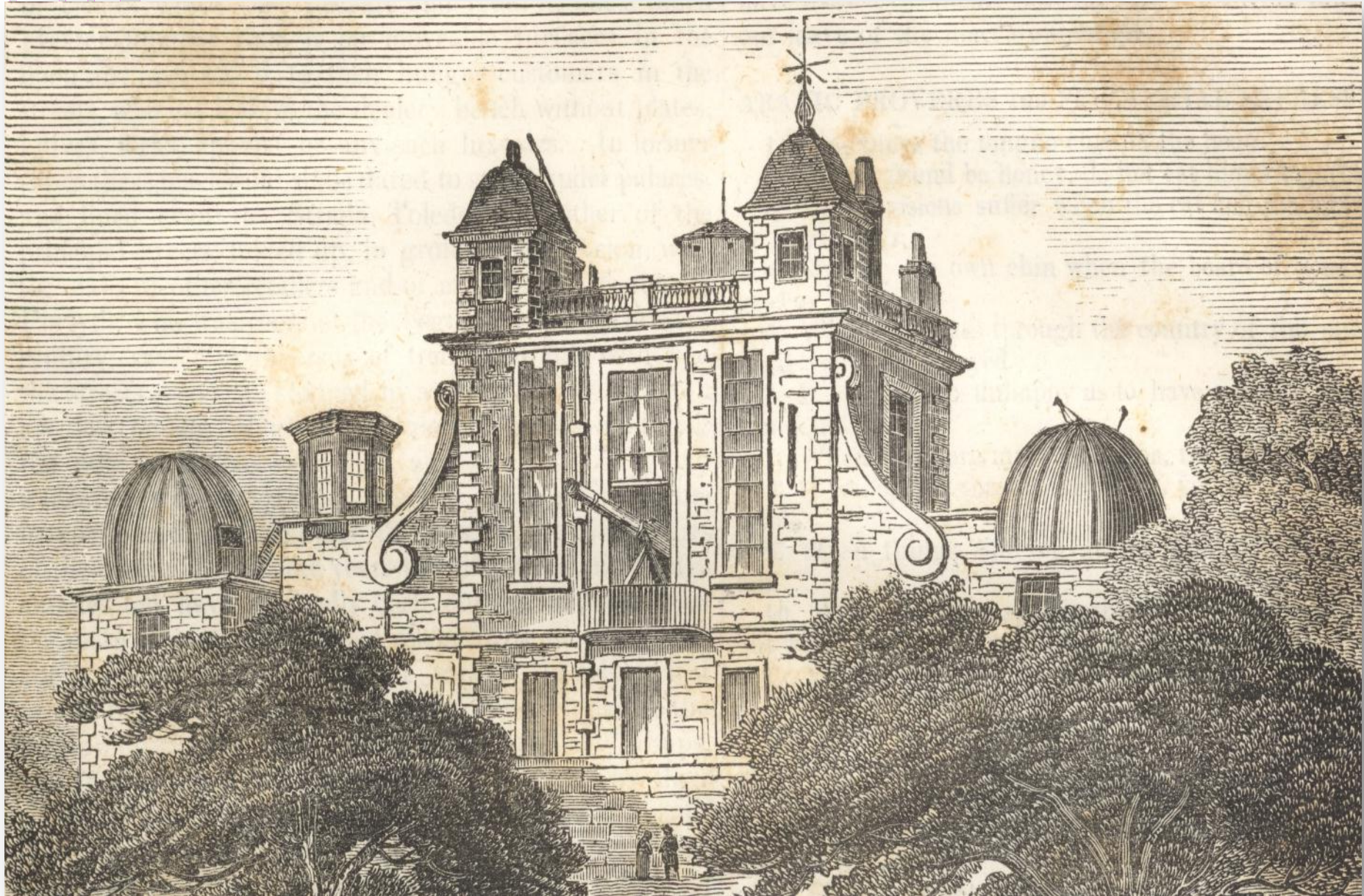
Challenges and Opportunities

A report to the European Council  
by the Reflection Group  
on the Future of the EU 2030



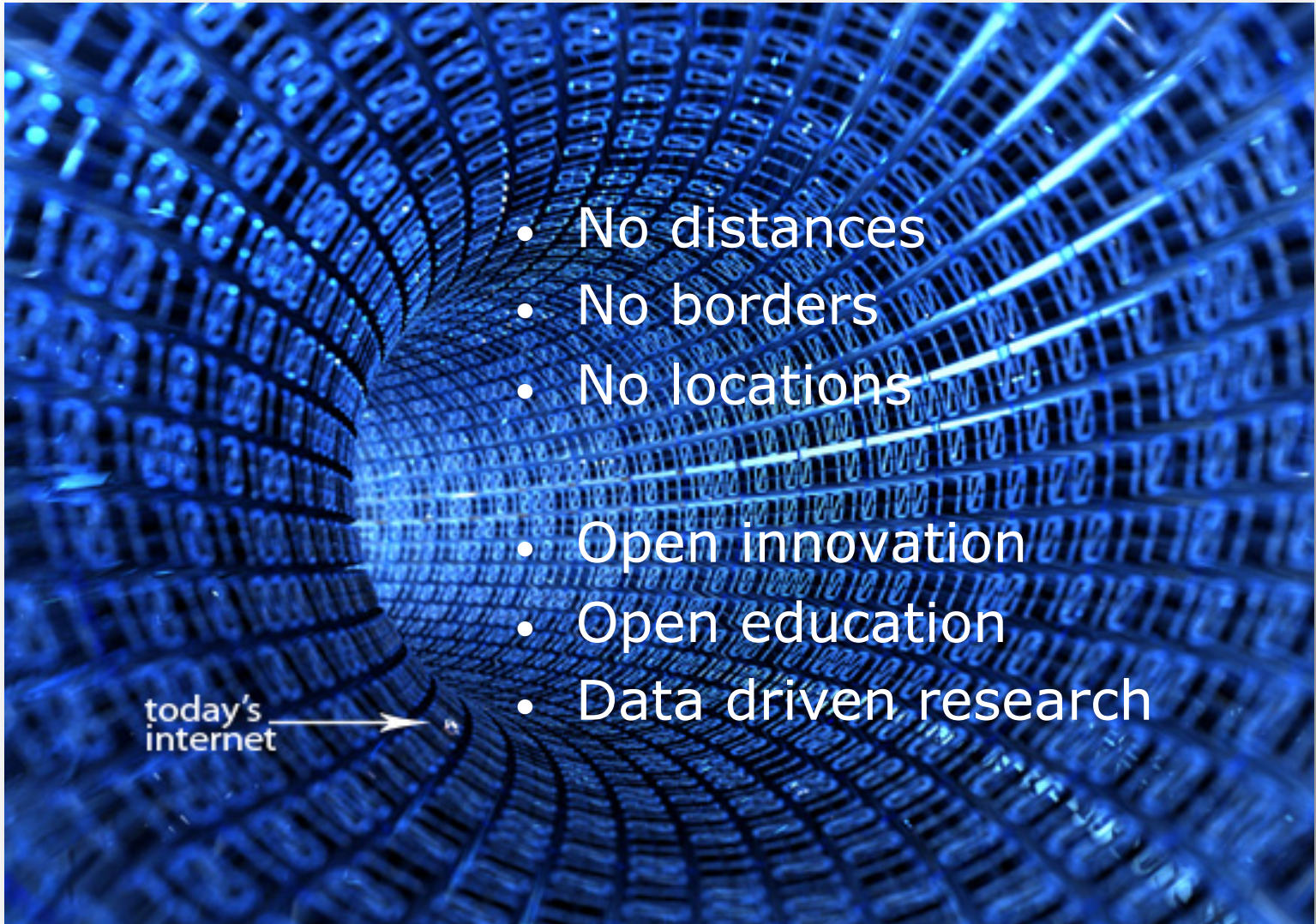
- The future economy is the economy of talent
- Richard Florida:
  - “Human Talent is the Ultimate Economic Resource”
- Talent attracted by
  - Knowledge,
  - Technology
  - Talent





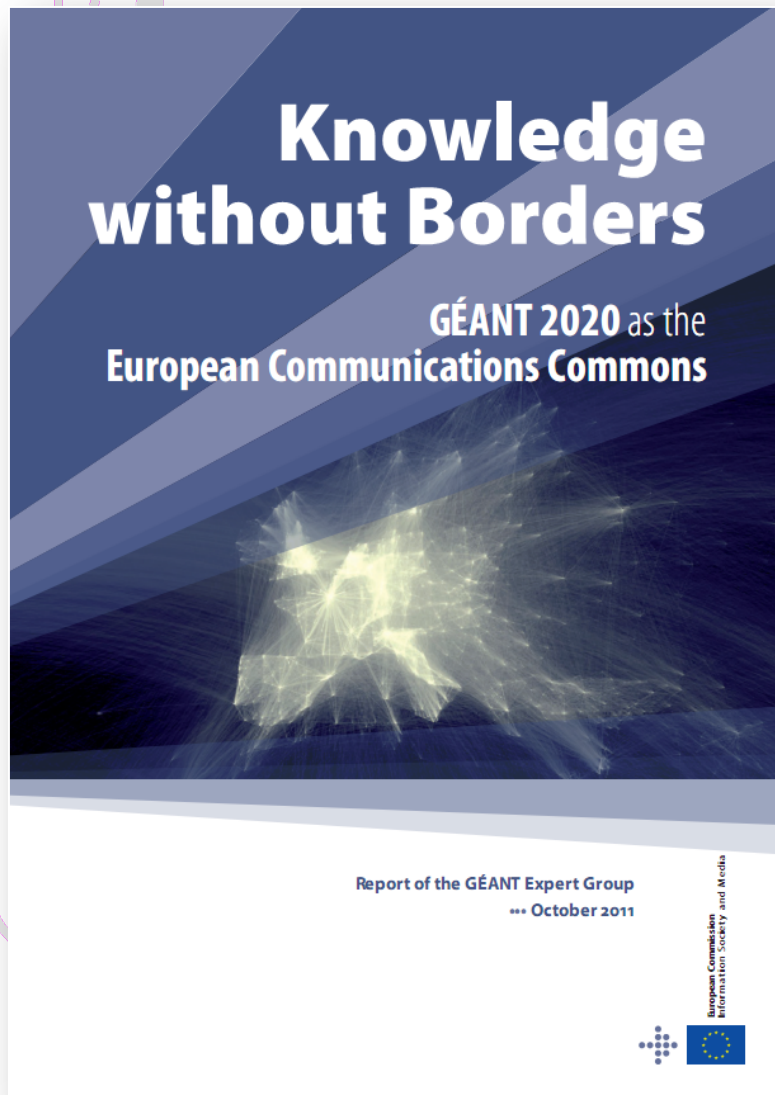






- No distances
- No borders
- No locations
- Open innovation
- Open education
- Data driven research

today's  
internet →

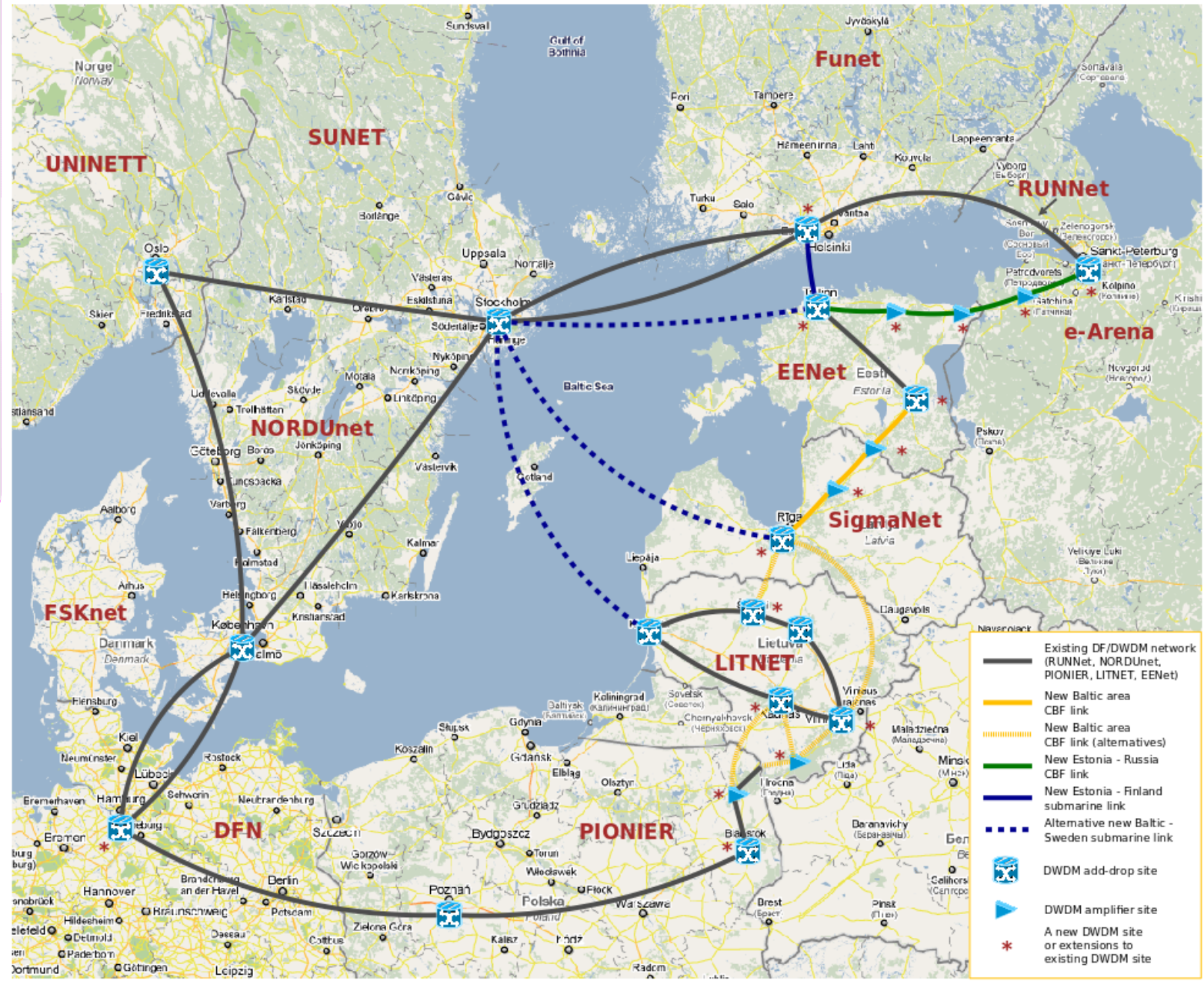


**“GÉANT 2020” is the European communications commons:**

- **Where talent anywhere is able to collaborate with their peers around the world.**
- **Where talent have instantaneous and unlimited access to any resource for knowledge creation, innovation and learning,**
- **Where talent are unconstrained by the barriers of the pre-digital world.**

# NORDUnet The 5th Freedom Knowledge Bedrock

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# Q & A

## The NORDUnet 2020 Inspiration Paper:

[http://www.nordu.net/ndnweb/news\\_events\\_attchmt/NORDUnet%20NREN%202020%20Inspiration%20Paper.pdf](http://www.nordu.net/ndnweb/news_events_attchmt/NORDUnet%20NREN%202020%20Inspiration%20Paper.pdf)

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## The Geant Expert Group Report:

[http://www.nordu.net/ndnweb/news\\_events\\_attchmt/GEG\\_Knowledge%20without%20Borders%20-%20GE%CC%81ANT%202020.pdf](http://www.nordu.net/ndnweb/news_events_attchmt/GEG_Knowledge%20without%20Borders%20-%20GE%CC%81ANT%202020.pdf)

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## Project Europe 2030:

<http://www.european-council.europa.eu/home-page/highlights/project-europe-2030.aspx?lang=en>

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## Knowledge Infrastructure for the Fifth Freedom in the Baltic Sea Area

[http://www.norden.org/en/publications/publikationer/2010-516/at\\_download/publicationfile](http://www.norden.org/en/publications/publikationer/2010-516/at_download/publicationfile)

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