# European Grid Infrastructure

## EGI Conference on Challenges and Solutions for Big Data Processing on Cloud

# ELIXIR and KM3NeT storage case studies and EGI data management services

# European Grid Infrastructure

# Agenda of today

- Computing Requirements for a really big underwater neutrino telescope
- The ELIXIR storage case studies
- Storage Software in the EGI repository
- Overview of EGI Cloud Storage Services
- The GLOBUS data transfer service
- The CERN DM toolbox
  - The FTS3 data transfer service
  - DMP storage service and the LFC Catalogue
  - The dynamic storage federation system
- dCache storage technology
- Hopefully some questions and discussion

# Agenda of today

# Anything else you would like to add to the agenda ?

# European Grid Infrastructure
# Who is here today
Except for EGI people

- ## Infrastructures
  - ELIXIR (Mikael Borg, Rafael Jimenez)
  - KM3Net (Christos Filippidis)

- ## Service Providers
  - GLOBUS resp. Globus Online (Helmut Heller)
  - EGI Cloud Services (Giacinto Donvito)

- ## Technology providers for EGI
  - CERN (Andrea Manzi)
  - dCache.org (Patrick Fuhrmann)
  - Release Manager (Cristina Aiftimiei)

# Who is not here today but should be

- Cristina Aiftimiei
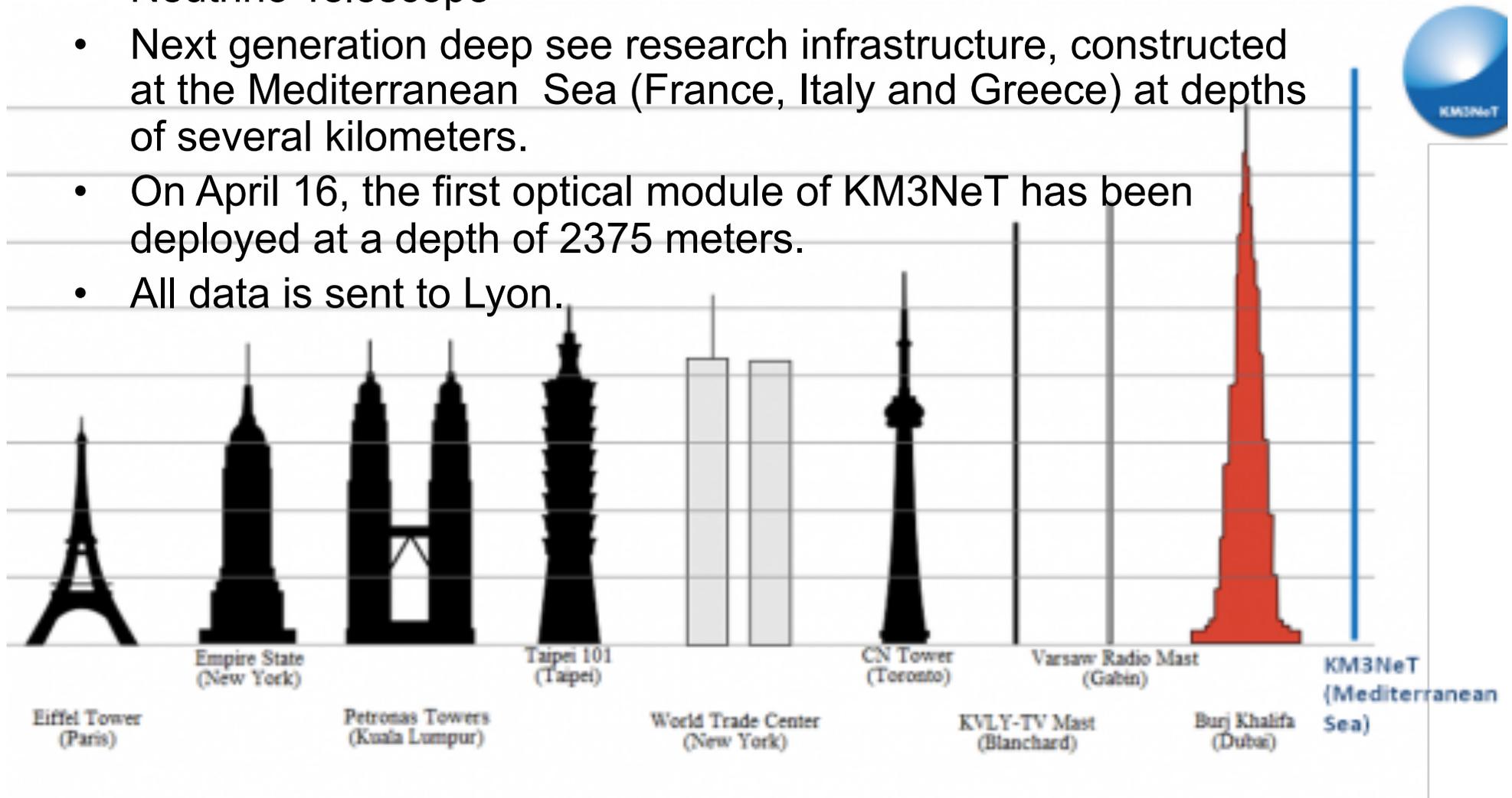- But she broke an ankle

# KM3NeT

- Neutrino Telescope
- Next generation deep see research infrastructure, constructed at the Mediterranean Sea (France, Italy and Greece) at depths of several kilometers.
- On April 16, the first optical module of KM3NeT has been deployed at a depth of 2375 meters.
- All data is sent to Lyon.

Eiffel Tower (Paris)

Empire State (New York)

Petronas Towers (Kuala Lumpur)

Taipei 101 (Taipei)

World Trade Center (New York)

CN Tower (Toronto)

Varsaw Radio Mast (Gabin)

KVLY-TV Mast (Blanchard)

Burj Khalifa (Dubai)

KM3NeT (Mediterranean Sea)

# European Grid Infrastructure

# ELIXIR

- European life-science Infrastructure for biological information.

- MISSION: Orchestrate the collection, quality control and archiving of large amounts of biological data produces by life science experiments.

- About 17 Countries and EMBL are involved.

# Enjoy
# the show