# 2012
# a year of transition
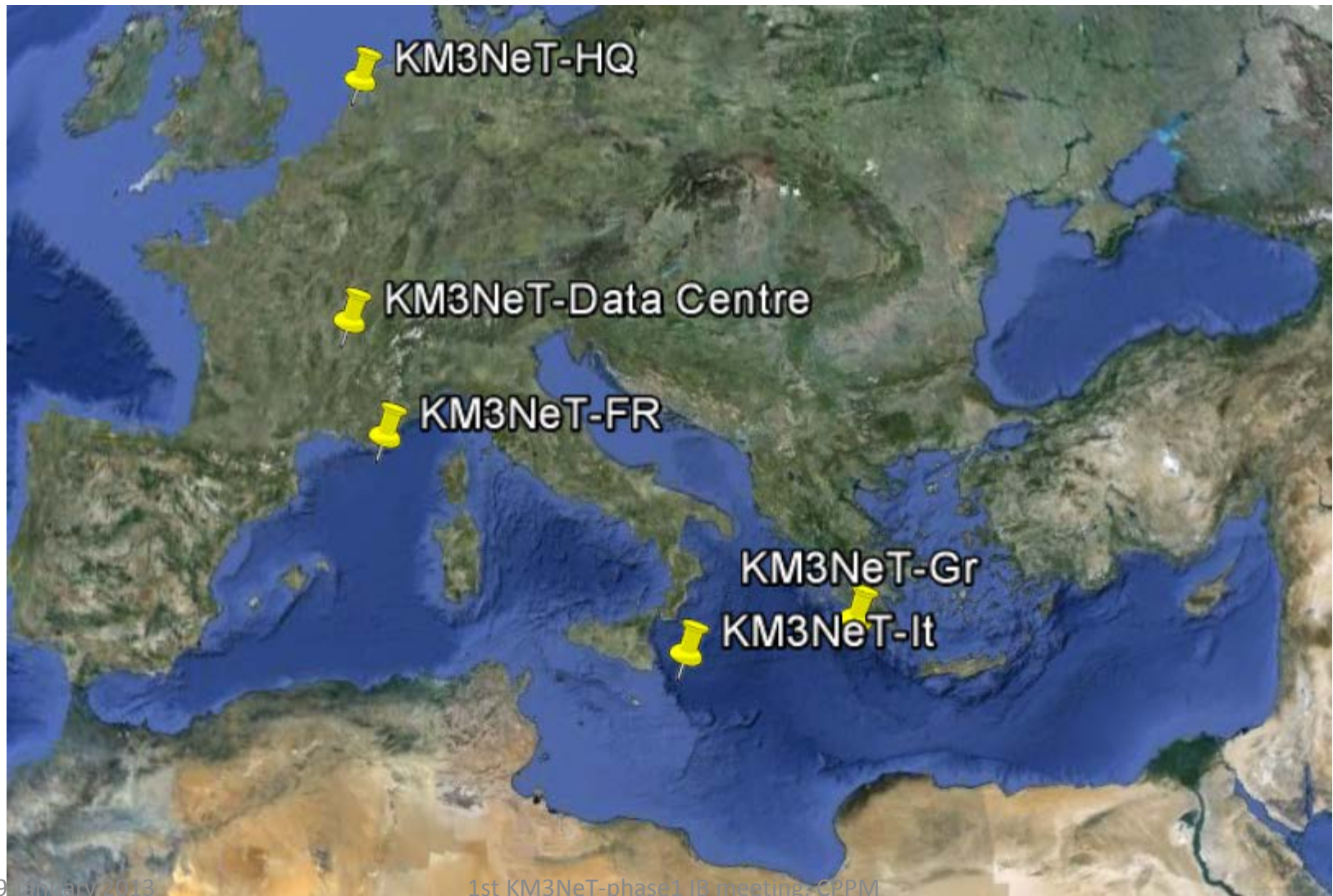
## Paschal Coyle, Mauro Taiuti, E. de Wolf

# KM3NeT in 2012

Collaboration meeting Marseille

ASC Rome

SPB Catania

SPB Rome

Erlangen agreement

Neutrino 2012 Kyoto

KM3NeT Day Bologna

ORCA w/s Catania

ORCA kick-off Paris

KFA Catania

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan |

**Validation programmes continued steadily**

divergence

bi-lateral meetings

MoU, SSC-replies, 1st ORCA-report, PP-deliverables, ESFRI questionnaire, MT selection, Community building
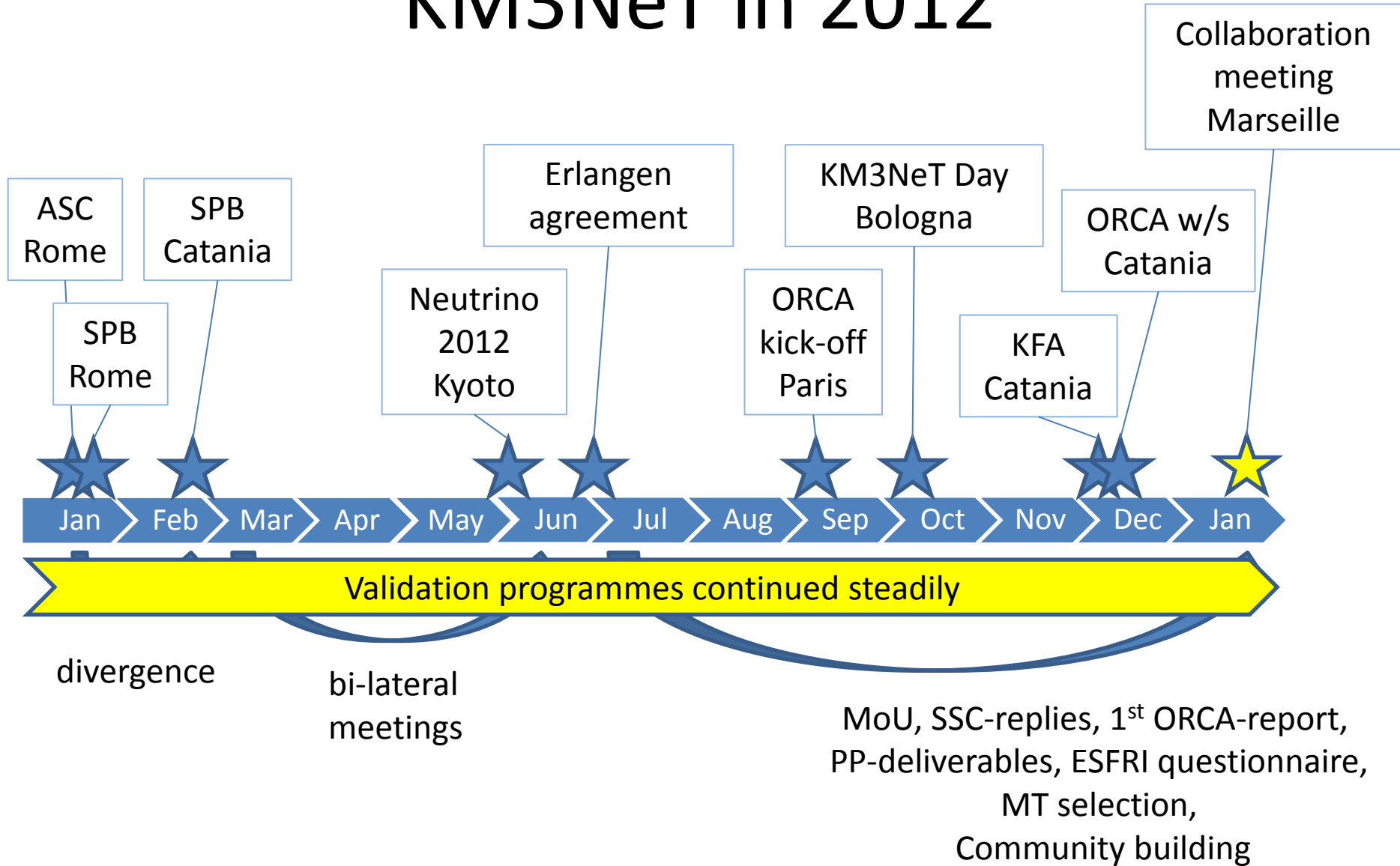
# KM3NeT Research Infrastructure

# KM3NeT-ERIC and ESS-ERIC

ESS-Consortium

ESS node

JB

shore station

neutrino detector

KM3NeT-Fr site

data centre data repository

shore station

KM3NeT-It site

KM3NeT-Gr site

shore station

neutrino detector

JB

ESS node

ESS-Consortium

ESS-Consortium

ESS node

JB
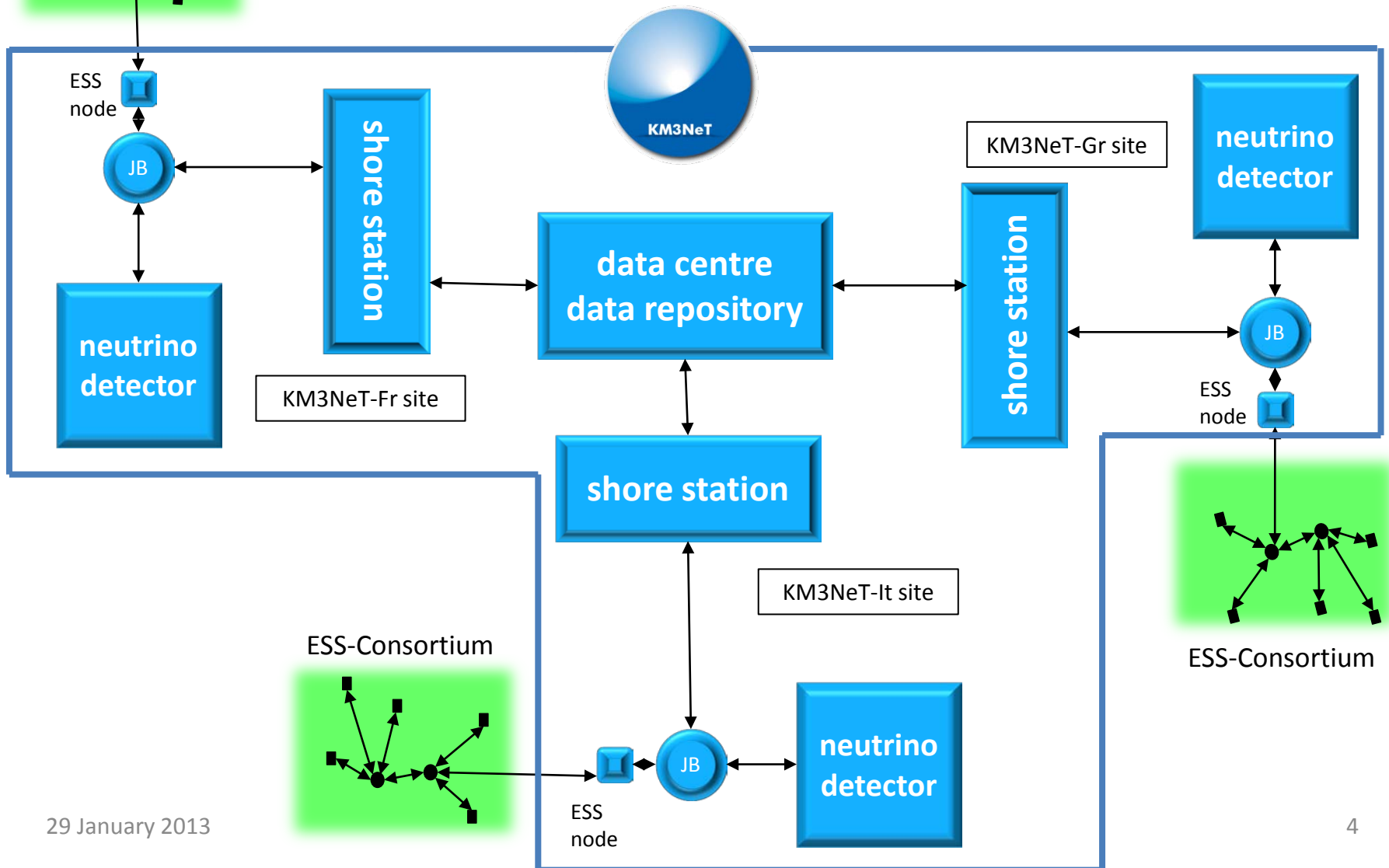
neutrino detector

# Technology
# KM3NeT neutrino detector

- String with multi-PMT optical modules is basic technology

- Programme for qualification is being executed

- Time constraints of ERDF funds in France and Italy to be met:

  - *Pre-procurement of components with long delivery times has started*

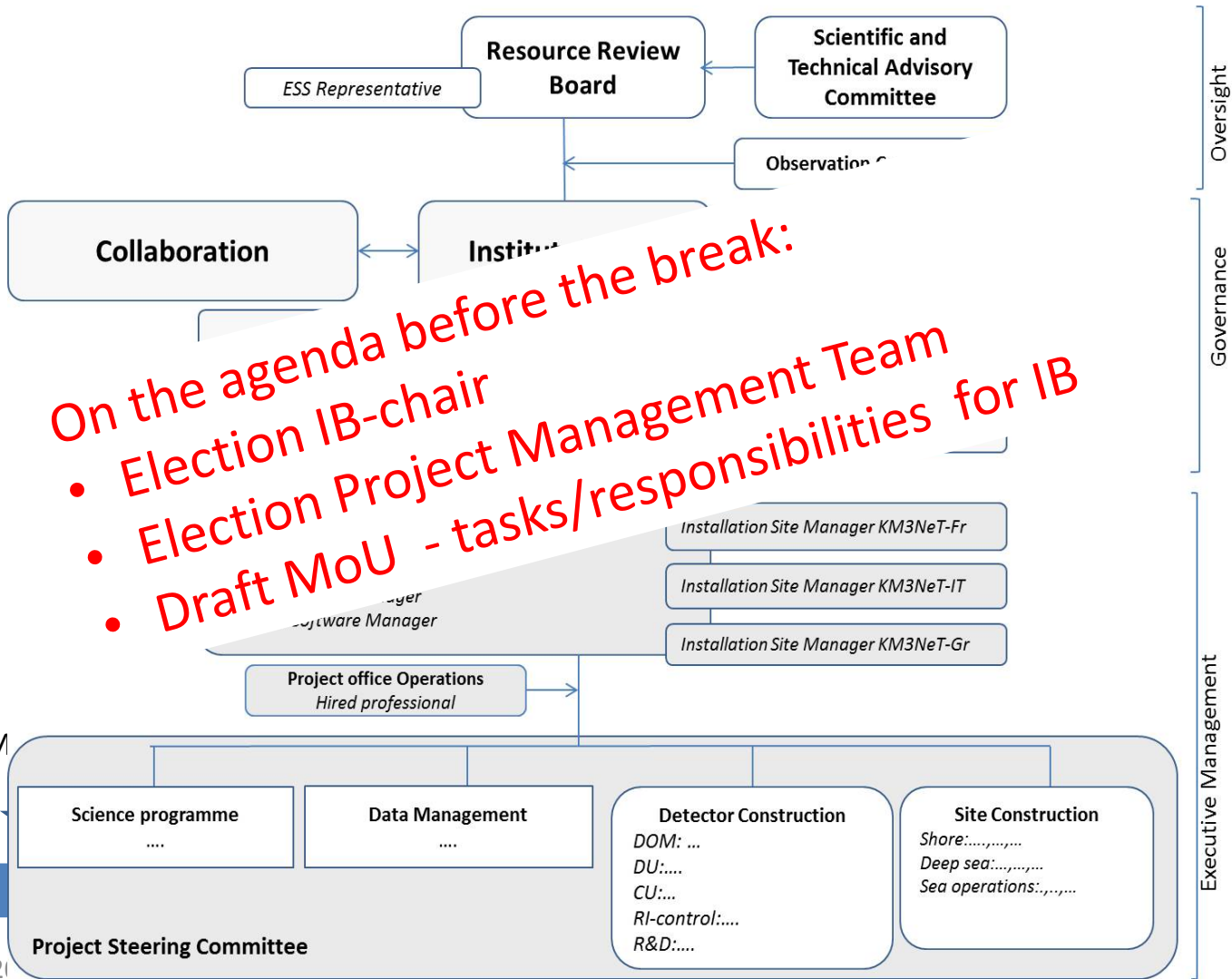  - *Staged technical reports for external review*

# KM3NeT Collaboration



January 2013:  39 Institutes,  182  members

# KM3NeT-phase1 MoU-v8.1
# Organization Breakdown Structure



On the agenda before the break:
- Election IB-chair
- Election Project Management Team
- Draft MoU  - tasks/responsibilities  for IB

Oversight

Governance

Executive Management

**Resource Review Board**

*ESS Representative*

**Scientific and Technical Advisory Committee**

Observation

**Collaboration**

Institut

*Installation Site Manager KM3NeT-Fr*

*Installation Site Manager KM3NeT-IT*

*Installation Site Manager KM3NeT-Gr*

*Software Manager*

**Project office Operations**
*Hired professional*

| Science programme | Data Management | Detector Construction | Site Construction |
|---|---|---|---|
| .... | .... | DOM: ... DU:.... CU:... RI-control:.... R&D:.... | Shore:....,...,... Deep sea:...,...,... Sea operations:.,...,... |

**Project Steering Committee**

MoU-v4.3  M

Jan

MoU-v8.1 Elections

Jan

**ESFRI** European Strategy Forum on Research Infrastructures

- KM3NeT on European Roadmap since 2006
- Assessment of the maturity (progress toward implementation) of KM3NeT has started (governance, HR, project management)
- Review interview on 14 February 2013 in Brussels
  - 15 min presentation
  - 90 min questions
- Questionnaire has been filled
- Supporting documents ~~been~~ provided

  *On the agenda after the break*

  - TDR
  - SSC ...ew documents + Replies on recommendations
  - Decision of ASC/KFA on KM3NeT-ERIC (minutes meetings)
  - MoU-v8
  - GNO-LoI
- This Collaboration meeting and the election of management were announced (minutes will be important)
- *IB needs to establish who will be the representatives for KM3NeT for this interview (total of 1+3 is allowed)*

# GNO-I

- Global Neutrino Observatory (GNO)
- October 2012: LoI sent to boards of Antares, Baikal, IceCube, KM3NeT
- Proposal to form GNO-I
  - Forum for exchange and consultation
    - MANTS meetings,  regular teleconferences
  - Framework for coordination cooperative action~ ~ation

    Combined sky maps, cross-check results ~~~ ~~~ ~~~ policies, exchange/check software, common software poo~ ~~~ ~~~ connect better to particle physics tools, standards for data repr~~ ~~~ ~~~ expertise, GNO-internal advisory committees
  - Exc~ ~~~ ~~nts
  - Con ~~ ~rganization tools/topical workshops
  - Creation of common web page/outreach
  - Coordination of relations to other fields of science
  - Annual award for the best PhD thesis
  - Exploring options for closer cooperation within GNO-II
- Form a GNO-board
- Prepare a MoU for GNO-I
- *All partners are positive about the proposal, they are waiting for the reaction of KM3NeT*

*On the agenda after the break*