

AIDAInnova

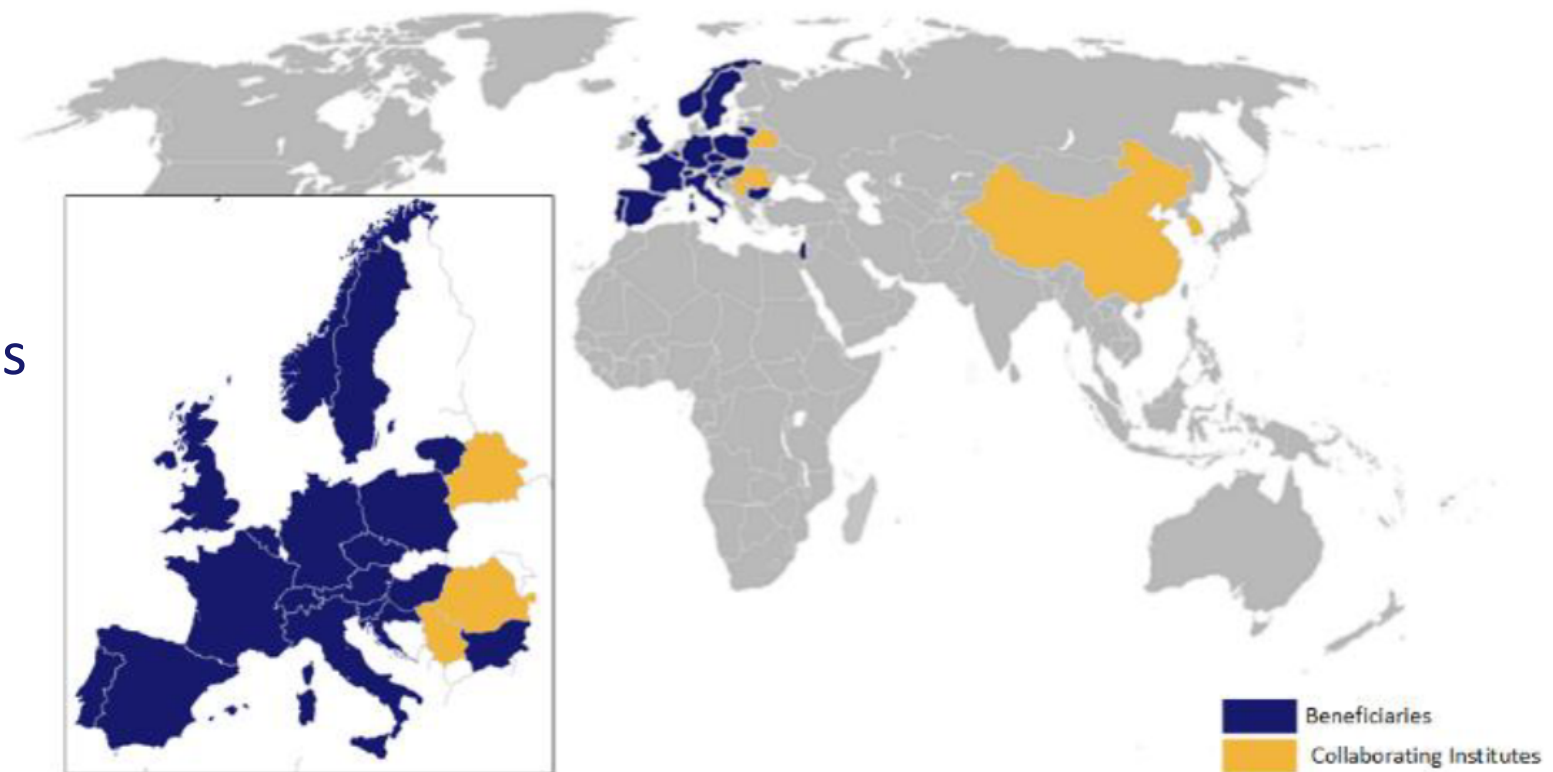
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AIDAInnova Italy meeting
February 08, 2021



- **13 Work Packages (WPs)**
 - **2 Administration WPs**
 - **10 Scientific WPs**
 - **1 “Blue-sky” WP**
- **2 coordinators/WP**
 - **4 Italian coordinators**
- **WP1: Project management and coordination**
- **WP2: Communication, Education and Innovation**
- **WP3: Test beam and infrastructure**
- **WP4: Upgrade of Irradiation and Characterization Facilities**
- **WP5: Depleted Monolithic Active Pixel Sensors**
- **WP6: Hybrid pixels sensors for 4D Tracking and Interconnection Technologies**
- **WP7: Gaseous detectors for frontier science**
- **WP8: Calorimeters and Particle Identification detectors**
- **WP9: Cryogenic neutrino detectors**
- **WP10: Advanced mechanics for tracking and vertex detectors**
- **WP11: Microelectronics**
- **WP12: Software**
- **WP13: Prospective and Technology-driven Detector R&D**

- Collaborative framework
- Infrastructure: common interest
- ~20 countries
- **46** **45** beneficiaries
 - 34 academic + 11 industrial and RTOs
 - + 10 associated partners
- Coordinated by CERN
- Total budget **~30 M€**
- EC contribution **10.0 M€**
- Activities:
 - Joint Research & Networks



Participants bring in complementary competences and a balanced coverage of projects.

- **Start: April 1st, 2021**
- **End: March 30th, 2025**
- **Kickoff meeting: April 13-15, 2021**
 - **Opening plenary**
 - **Parallel sessions**
 - **Stream 1: WPs 3, 4, 5, 6**
 - **Stream 2: WPs 7, 8, 10, 11**
 - **Stream 3: WPs 9, 12, 13, 2**
 - **Governing Board on April 16th**

Actions:

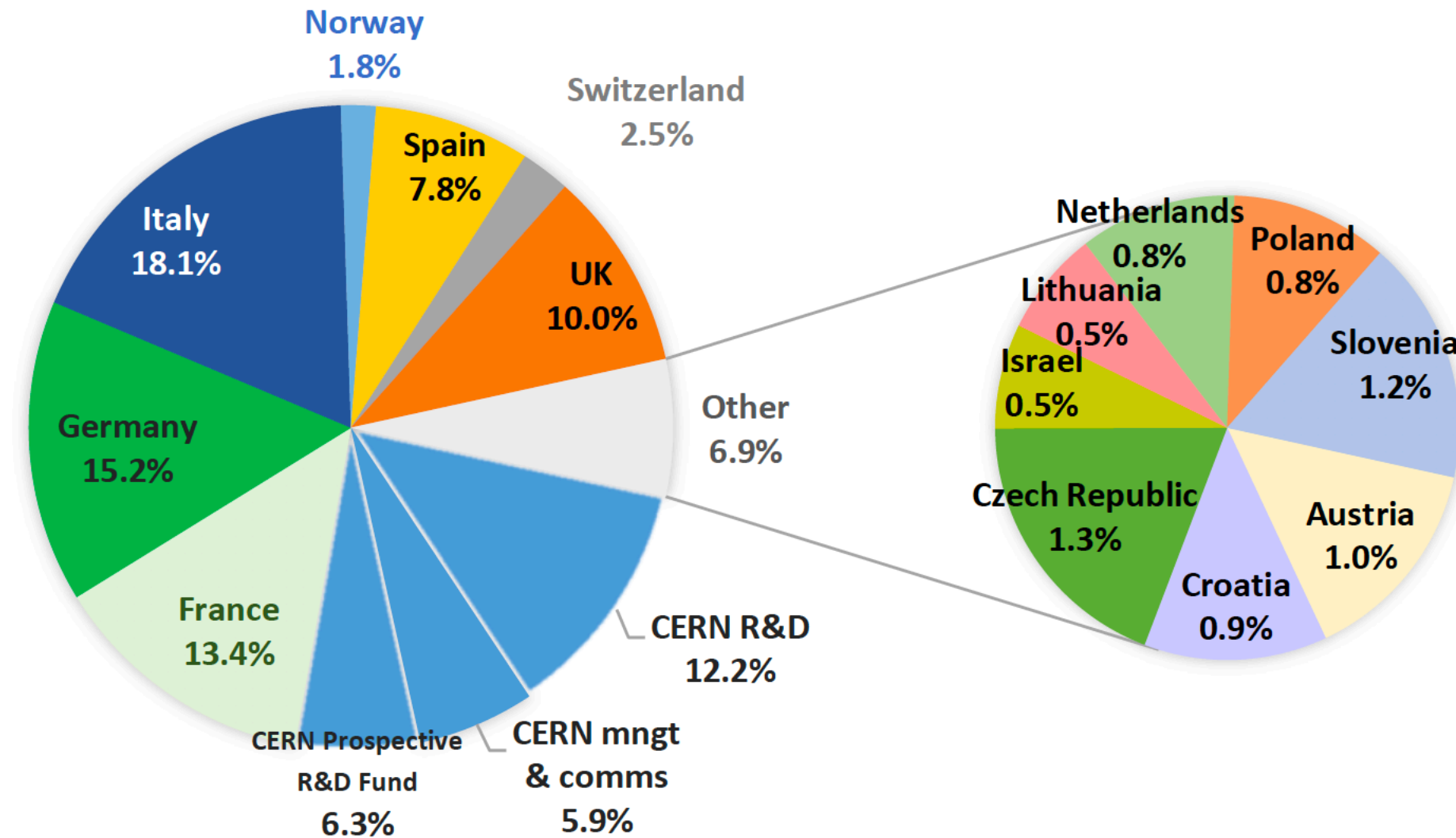
- **Sent e-mail** requesting for **Expressions of Interest (Eoi)**
 - Received **~160 Eois**
- Based on the Eoi received started preparing the new structure of AIDAInnova
- **2 General meetings** at CERN, **September 4th** and **October 23rd**
- Defined a **Proposal Committee (10 persons)**
 - Defined **WPs** and respective **coordinators (4 are Italians)**
 - Defined **budget**
- Preparing the proposal
 - **Deadline** to submit the proposal **17/03/2020**, postponed to **15/05/2020**
- If successful, AIDAInnova could be funded and start in **early 2021**

- **Advanced R&D and infrastructure** for detectors at future colliders
 - Leptonic colliders
 - Circular
 - Linear
 - Hadronic colliders
- **Novel detector technologies** for large-scale particle physics experiments
- **Innovative software** solutions (ML, etc.) for future detectors
 - Triggering
 - Tracking
 - Calorimetry
- Extended neutrino WP with also short baseline neutrino detectors
- **Joint R&D** programmes with **industrial beneficiaries**
- “Blue sky” R&D (competitive allocation after start of project) higher risk projects

Full costs budget AIDAinnova = ~ 30 M€

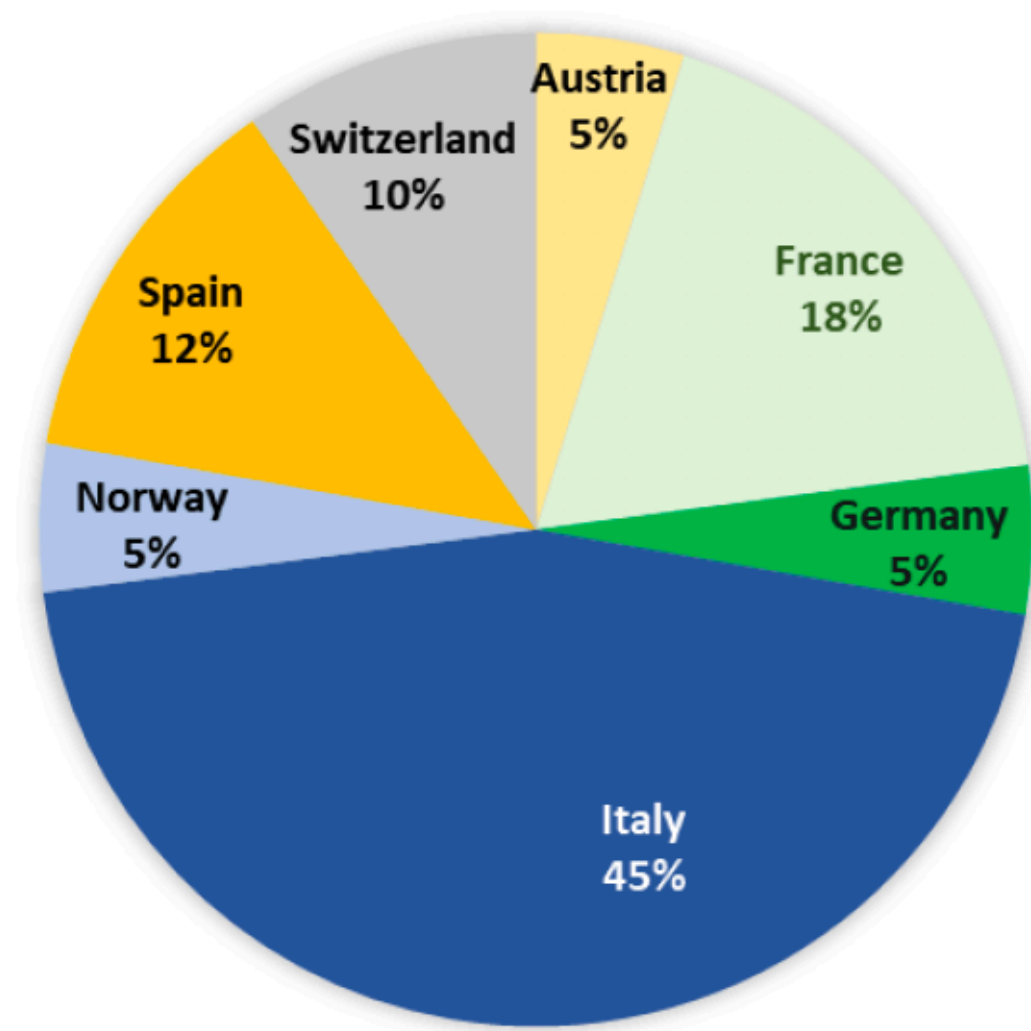
EC contribution = 10 M€

EC FUNDING PER COUNTRY



Italy is the largest beneficiary!

EC funding per Country for non-Academic (Industry + RTOs)



Italy is by far the largest beneficiary for Industry+RTOs!

- **Proposal submitted on May 13, 2020**
 - Results should be known 5 months after the deadline (mid October)
 - We might have some "rumours" after 4 months
 - If approved, AIDAInnova could start on February-March 2021