EURISOL – Distributed Facility (DF)

Members Initially:
- HIE-ISOLDE/CERN
- SPES-INFN
- SPIRAL2-GANIL

Candidate - future facility:
- ISOL@MYRRHA

EURISOL MoU member:
- COPIN Consortium Poland

Smaller scale ISOL facilities:
- ALTO, JYFL?

Project to be submitted for the 2018 update of the ESFRI roadmap
Goals of the EURISOL-DF project:

- Prepare strong scientific case for RIB science and applications
- Support, upgrade, optimize and coordinate ISOL-based European facilities and projects as a necessary step towards EURISOL
- Foster R&D on RIB production and Instrumentation towards EURISOL
- Get EURISOL-DF on the ESFRI list as a candidate project by 2018
- EURISOL as a single site facility as a long term goal
EURISOL – Distributed Facility (DF) Initiative

Proposed EURISOL-DF scheme:

- EURISOL Science Case & Experiments
  - Dedicated beamtime for EURISOL-DF experiments
  - Dedicated EURISOL-DF Scientific Council & PAC
- R&D for EURISOL
  - Dedicated Technical Advisory Committee
- Legal entity (ERIC, ...)

Interaction with EURISOL JRA in ENSAR 2 and EURISOL User group

Discussions with GSI/NUSTAR and JYFL

Project to be submitted for the 2018 update of the ESFRI roadmap

http://www.eurisol.org/eurisol_df/
EURISOL-DF working groups for the preparation of the ESFRI-list proposal:

• WG1: Science & applications (together with EURISOL User Group): Coordinator R. Raabe (Kick-off meeting in Oct.)

• WG2: Technical R&D – high power accelerators: Coordinator A. Facco (Kick-off meeting in Oct.)

• WG3: Technical R&D – RIB beam handling, targets and ion sources: Coordinator M. Borge (Kick-off meeting on Sept. 17)

• WG4: Technical R&D – spectrometers & detectors: Coordinator H. Savajols (Kick-off meeting on Oct.)

• WG5: EURISOL-DF & relationships with ESFRI & EC and its future legal structure: Coordinator: A. Bracco (Kick-off meeting on Oct. 26)
Schedule of main actions:

- Reports of the WGs by **June 2016**
- Draft of the full EURISOL-DF proposal by **September 2016**
- EPS Conference dedicated to EURISOL-DF in **Autumn 2016**
- Submission of the EURISOL-DF project to ESFRI by **March 2017**
- *EC funded Preparatory Phase from 2018-2019 (if on the ESFRI roadmap)*
- Schedule to be re-adjusted if necessary to the one of ESFRI roadmap 2018 update and to the NuPECC LRP preparation