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## EURISOL DISTRIBUTED FACILITY INITIATIVE

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On behalf of the EURISOL Steering Committee

EURISOL as defined in the FP6 Design Study documents, including the high power (Mega Watt) target, is together with FAIR, the major aim of the Nuclear Physics community in Europe, a priority triggered by the need of accessing reliable information on nuclei far from stability.

This fact was reflected in the recommendations of the 2010 NuPECC Long Range Plan, which identified as major objectives the completion of the ISOL-facilities in construction or in upgrade in Europe.

These facilities, in particular ISOLDE, SPIRAL2 and SPES, with ISOL@MYRRHA, can be realized, working together, as a necessary intermediate and ambitious step from scientific and technical aspects towards EURISOL, that is the EURISOL - Distributed Facility (EURISOL-DF) project [1].

The goals of the EURISOL-DF are:

- 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

The EURISOL-DF membership will be open to all European RIB facilities. Initially the members of the EURISOL-DF will be SPIRAL2-GANIL, ISOLDE-CERN and SPES-INFN.

The ISOL@MYRRHA facility is a candidate as future full member of EURISOL-DF.

The EURISOL-DF will closely collaborate with FAIR facility (Darmstadt, Germany), with smaller scale EU ISOL facilities: ALTO (Orsay, France) & JYFL (Jyvaskyla, Finland) and participating organisations and facilities like COPIN in Poland.

### REFERENCES

[1] [http://www.eurisol.org/eurisol\\_df/](http://www.eurisol.org/eurisol_df/)