EURISOL Initiatives

EURISOL-NET in ENSAR
EURISOL JRA in ENSAR2
EURISOL as a Distributed Facility

EURISOL-NET in ENSAR

- 4 topical meetings held: Catania (2009),
 Valencia(2011), Lisbon (2012), Krakow(2013)
- 2 technical meetings held: CERN(2010), Jyväskylä (2013)
- 1 Town Meeting held: Lisbon (2012)
- 1 deliverable submitted: Technical report
- 5th Topical meeting in York: Innovative instrumentation for EURISOL July 15-17, 2014 http://eurisol5.iopconfs.org/home
- Joint Town Meeting with ECOS: Orsay Oct 28-31, 2014 (the EURISOL part is Oct. 30-31)

EURISOL-JRA in ENSAR2

4 tasks

- EBIB: Improving charge breeding and designing a future EBIS (led by CERN, F. Wenander)
- BEAMLAB: ISOL targets and ion sources with focus on molecular beams. (led by IPN Orsay, C. Lau)
- CRIBE: Chart of ISOL beam intensities in Europe (led by GANIL, M. Fadil)
- STUC: networking and Town meeting organization (led by INFN, A. Bonaccorso)
- Total EU contribution: 670 KE (180 KE to CERN)
- Coordinated by Y.B.
- Submission of ENSAR2 in Sept. 2014.

EURISOL – Distributed Facility (DF)

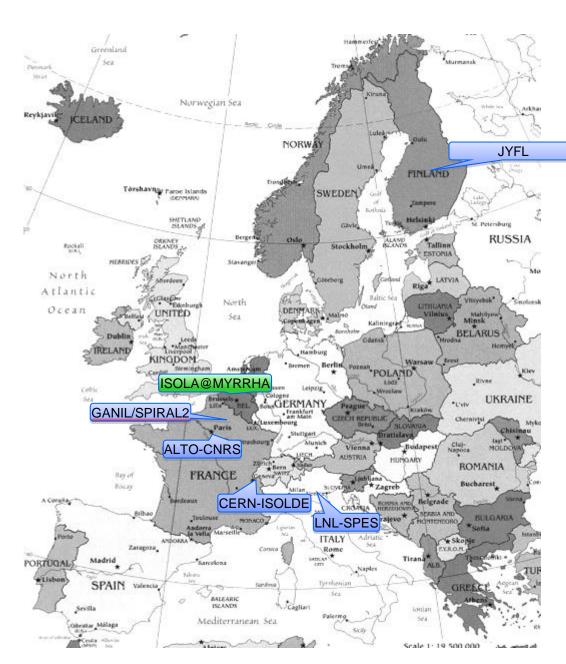
Y. Blumenfeld, M.J.G Borge, M. Lewitowicz, P. Van Duppen, A. Facco, A. Maj

Background

- 2001-2005: EURISOL RTD
- 2005-2009: EURISOL Design Study
- 2010: EURISOL endorsed by NuPECC as highest long term priority for low energy nuclear physics in Europe
- Existing & planned ISOL facilities in Europe:
 - GANIL-SPIRAL2, HIE-ISOLDE, SPES, ISOL@MYRHHA, ALTO, JYFL, ECXYT
- Eurisol collaboration: ISOL-based RIB facilities, other labs, funding agencies, university groups
 - EURISOL Office
 - EURISOL User group
- EU support through ENSAR and ENSAR 2
 - •EURISOL NA in ENSAR
 - •EURISOL JRA in ENSAR 2



EURISOL – Distributed Facility (DF)



6 European RIB ISOL Facilities

EURISOL – Distributed Facility (DF)

Goals:

- Current ISOL-based projects and physics supported, optimized and coordinated
- EURISOL as a single site facility as a long term goal
- Eurisol on the ESFRI list?: EU funding and trigger local funding
 Note: FAIR and SPIRAL2 moved to the implementation phase and are no
 longer on the ESFRI list
- Eurisol as a Distributed Facility:

Upgrade of the major ISOL facilities
Physics, R&D on RIB production, Instrumentation towards EURISOL

To be defined:

- Members
 - Initially: GANIL-SPIRAL2, HIE-ISOLDE and SPES?
 - Other potential candidates: ISOL@MYRHHA?
 - Smaller scale ISOL facilities; ALTO, JYFL?
- Legal structure, coordination, responsibilities, etc. ?

EURISOL