

# 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
  - **EURISOL MoU** signed by GANIL (France), CERN, COPIN-IFJ (Poland), SCK-CEN for Belgian EURISOL Consortium (BEC) (+ INFN on the way) -> Steering Committee
- **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

## • 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. ?

**More detailed presentation at the next NuPECC meeting ?**