



Work Package 2: International Coordination and New Partners

Coordinating Institutions:
CNRS-IN2P3 and CEA-DRF

Tasks

- **Task 1:** Enlargement of membership towards academics and involvement of institutional funders presented by **Yorick Blumenfeld (IPN Orsay)**
- **Task 2:** Private sponsors and banks presented by **Pascal Debu (CEA Saclay)**
- **Task 3:** In kind contributions presented by **Sonia Utermann (FAIR)**
- **Task 4:** Involvement of academic users—representatives of large collaborations in User Board presented by **Adam Maj (IFJ-PAN, Krakow)**

Deliverables

- **D2.1:** Draft collaboration agreements negotiated with academic partners (Month 36)
- **D2.2:** Report on strategic and legal studies for private funding (Month 36)
- **D2.3:** Procedure of evaluation of in-kind contributions and their monitoring (Month 24)
- **D2.4:** Report on new organization involving users (Month 30)

Background of Task 1

- SPIRAL 2 is an ESFRI landmark facility: It must have an international (european) governance in order to remain an ESFRI facility
- There will be an audit by ESFRI after the end of the IDEAL contract. Progress towards a european governance will have to be demonstrated.
- The ministry has indicated that international contributions are a necessary condition for a possible SPIRAL2 phase 2
- The legal structure of GANIL is now a GIE international which allows the adjunction of international associated partners.
- The goal of task 1 is to establish the framework for such associations.
- The signature of some agreements would be icing on the cake.

Strategy of task 1

- Put in place a core group which will initiate and follow up actions with monthly phone meetings:
 - Yorick Blumenfeld and Fanny Farget (CNRS)
 - Nicolas Alamanos, Pascal Debu and Sylvie Leray (CEA)
 - Navin Alahari, Héloïse Goutte and Marek Lewitowicz (GANIL)
- Identify countries which have strong links to GANIL and initiate preliminary contacts to assess their interest and expectations: First contacts with Poland, Czech Republic, Belgium, and Germany
- Prepare a template for an MOU for transitional associate membership – test period for 2-3 years in view of full associate membership
- Discuss and amend the template with the interested partners
- Sign agreements for transitional associate membership

Poland

- Historically strong participation in GANIL
- Leader of the PARIS detector designed to spend considerable time at GANIL
- The COPIN consortium would represent Poland
- Goal is to sign a transitional agreement before Jan. 2019 (window of opportunity) for a period of 2-3 years.
- Text of MOU to be discussed with Polish colleagues and after agreement sent to Polish ministry
- Then legal aspects need to be ironed out.

Belgium

- Very preliminary exchange with P. Van Duppen (KU Leuven)
- Long standing collaboration with GANIL
- Strong contribution to S3 – LEB.
- Excellent window of opportunity: Flanders (not Belgium) has a new funding scheme called Participation in International Research Infrastructures
 - Funds technical support, fees and infrastructure
 - Requires « membership » in the infrastructure
- Willing to start negotiations to prepare a document for ministry
- Note: Very favorable also to EURISOL DF



LEA NuAG (Nuclear Astrophysics)

LIA NuAG

2017 – MEYS and EU funds financing SPIRAL2-CZ OP projects



MSMT
MINISTRY OF EDUCATION
YOUTH AND SPORTS

SPIRAL2-CZ project parameters

Ready to Contribute to GANIL (SPIRAL2) running costs when NFS starts up

SPIRAL2-CZ

has appeared on
the roadmap of large research infrastructures of Czech
Republic 2016-2022

↓
Plan of support from MEYS (plan 7
year) ↓

LM SPIRAL2-CZ (2016-2019)

- infrastructure
development

SPIRAL2-CZ-OP (2017- 2019)

Operational program
EU

- Investments
- research



EUROPEAN UNION
European Structural and Investment Funds
Operational Programme Research,
Development and Education



Germany

- Germany has contributed 16.4 M€ to SPIRAL2 (and France twice as much to FAIR)
- No actions yet but high on to do list.

Contribution of transitional associate members

- Contribute a annual sum to be agreed upon for each country ($> 1\%$ of total GANIL budget of approx 30 M€)
- Contribution can be cash or in-kind. A minimum of xx% must be in cash.
- In-kind can be material or labor but must contribute to the running of GANIL or to fixed experiments to the exclusion of traveling detectors.

Advantages for associate members

- Reimbursement of travel and subsistence for experiments (for a limited number of days after exhaustion of other schemes: ENSAR2, COPIGAL ...)
- Creation of an associate scientist program reserved for transitional associate members
- Transitional associate members will propose a member of the GANIL scientific council subject to approval by the CODIR
- Transitional associate members will nominate an observer to the CODIR (except the restricted session) without voting rights.
- Transitional associate members will participate in relevant committees discussing major upgrades of GANIL including a possible second phase of SPIRAL2

And now what?

- Discuss the differences between transitional and full associateship
- Begin discussion on MOU with potential associate members. The Polish case is the most advanced so will be a good test case.
- Engage contacts with Germany.
- Hiring of collaborator to work on the project : 30 candidates, 9 on short list. Interviews in May.