

WP2 International Coordination and new partners



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Background: Ganil long term sustainability

« *The objectives of the IDEAAL Project are to explore all possibilities to develop GANIL infrastructure in order to **ensure its long-term sustainability** as one of the **premiere** European research institutes for nuclear physics, interdisciplinary sciences and related applications* ».

The available resources to operate the facility and to construct the second phase of SPIRAL2, the heart of the whole project, are presently insufficient. With **additional funds and personnel**, which might be provided by new partners, we expect to fully achieve the scientific objectives of the SPIRAL2 project.

 New economic model



WP2 International Coordination and New partners

- From January 1st, 2016, the GIE GANIL legal status allows **associated scientific partnerships** with national and international institutions.
- The WP2 will use this new legal opportunity to enlarge the GANIL membership to include academic and/or private institutions.
- Enlargement of the GANIL membership goes hand-in-hand with strengthening the involvement of the present institutional funding partners, and through the addition of possible private sponsors and academic users of GANIL facilities in the **governing infrastructure**.



WP2 International Coordination and New partners CEA & CNRS

- **Task 1** CEA, CNRS

Enlargement of membership towards academics and involvement of institutional funders.

- **Task 2** ~~GANII~~ → CEA

Private sponsors and banks

- **Task 3** GSI

In-kind contribution

- **Task 4** IFJ PAN

Involvement of academic users-representatives of large collaborations in User Board.

WP2 Deliverables

Deliverable Number¹⁴	Deliverable Title	Lead beneficiary	Type¹⁵	Dissemination level¹⁶	Due Date (in months)¹⁷
D2.1	Draft collaboration agreements negotiated with academic partners	2 - CNRS	Report	Public	36
D2.2	Report on strategic and legal studies for private funding	2 - CNRS	Report	Public	36
D2.3	Procedure of evaluation of in-kind contributions and their monitoring	2 - CNRS	Report	Public	24
D2.4	Report on new organisation involving users	2 - CNRS	Report	Public	30

WP2 Efforts

Participation per Partner

Partner number and short name	WP2 effort
1 - GANIL	0.10
2 - CNRS	38.60
3 - CEA	18.00
4 - GSI	40.00
5 - IFJ PAN	24.00
Total	120.70

WP2 Budget

N° WP	Tache	Direct personnel costs /€	Other direct costs /€	Direct costs of sub-contracting /€	Indirect Costs/ €	Total
▼ WP2	▼ GANIL					
	Task1		90 000		22 500	112 500
	Task2		4 800	200 000	1 200	206 000
	Task3		12 000		3 000	15 000
	Total GANIL		106 800	200 000	26 700	333 500
	▼ CEA	Task1	176 400	90 000	66 600	333 000
	Total CEA		176 400	90 000	66 600	333 000
	▼ CNRS	Task1	136 220	50 000	46 555	232 775
	Total CNRS		136 220	50 000	46 555	232 775
	▼ GSI	Task3	300 000	80 000	95 000	475 000
	Total GSI		300 000	80 000	95 000	475 000
	▼ IFJ PAN	Task4	80 000	146 000	56 500	282 500
	Total IFJ PAN		80 000	146 000	56 500	282 500
Total WP2			692 620	472 800	200 000	291 355
						1 656 775



WP 2 Working procedure

- Regular meeting between the 4 task-leaders
 - Progress report (1 page on monthly basis)
 - Video conference (Every 3 months)
 - Face to face meeting (Twice a year)
- Exchange on the progresses with GANIL Direction



WP2 Task1, Task 2, Task 3, Task 4

(Presentation by the task leaders)

WP2 Task 1

- Identify new partners
 - Natural collaboration institutions
(Report Master degree S. Lecerf and other GANIL documents)
 - Looking for new partnerships will be based:
 - On longstanding collaborations of GANIL. (GSI, Poland, Italy, Romania, Belgium, and Sweden in Europe, India and U.S.A...).
 - Strategical institutions: China?
- Identify suitable networks in countries of interest
 - International Research Units of CNRS
 - Joint committees IN2P3-Academic Institutions (JINR Dubna, COPIN Poland, INFN Italy, IFIN-HH Romania, GSI Germany,...) and LIA
 - Joint committees CEA-nuclear countries (India, China, Russia, Korea, Japan...)
- Identify negotiation teams and negotiation terms



WP2 Task 1

For each identified partner:

- Identify the type and proportion of possible contribution
 - In-kind vs in-cash
 - Experiment or installation
- Specify the commitments and the advantages of the new partner
 - Inputs from T3 and T4
 - New rules of the GIE GANIL (inputs from WP4)

WP2.T1: BENCHMARK with other large infrastructures

- Large international Infrastructures
 - ILL: 3 associate members (stakeholders) , 10 scientific members
 - ESRF: 13 members, 8 scientific members
 - And others (Xfel, ESS, FAIR,)
- Analyze the contracts to see the different economic models implemented
What do the scientific members get: beam time allocation, instruments, access to governance structure...
What do the scientific members provide: Fees, in-kind contribution...
Who are they? Who signs?
- Interviews of the RI directors to get information/advice on the methodology

INPUTS for the elaboration of Ganil own model



The example of Institute Laue Langevin

- Very Large Research Infrastructure
- Non Profitable Limited Company under French Law
- 3 Stakeholders (« Associates »): France, Germany, United Kingdom
- 10 Scientific Members
- High Flux Neutron Source (58 MW Reactor) & Research Instruments
- Governance: Associates meeting, Steering Committee, Scientific Council



Scientific Members contract with ILL

A 5 year Contract defines the Membership conditions & scientists' participation in activities of Ill:

- General rules to operate instruments (safety, responsibilities)
- General Financial Regulations, Modalities and Purchasing Policy
- Coverage of subsistence & travel of scientists
- Beam Time allocation
- The Coordinator for the Scientific Member is observer at the Associate Meeting
- The scientific members attend the Steering Committee
- Entitlement to nominate of candidates to the Scientific Committee
- Entitlement to participate in instruments programs (Collaborating Research Groups)
- Eligibility for ILL posts

Countries can form **Consortia** to share cost and be represented at the STC



Beam Time Allocation

- Fixed fee covers up to 3 % of beam time
- Additional time → proportional fee: 1 % beam time ~ 1 % annual budget
- Selection of proposals by Peer Review
- Teams must include more than 2/3 of scientists from Scientific Member States or Associates
- At mid term of the contract, the balance between beam time entitlement and allocation is assessed:
 - Underuse → try to find solutions for improving usage
 - Overuse limited (factor 1.5)
- In total, around 25 % of beam time is allocated to Scientific Members



WP2 Task 2: private sponsors and bank

- Task leader: CEA (recent change)
- Involved partners: Ganil, CNRS
- Objective: explore the possibilities to get funding from foundations, sponsors, bank
- Means
 - Foundations/sponsors: Eufori report, Analysis on communication, lobbying
 - Analysis of possible support from Banks (European Investment bank, Council of Europe Development Bank) : Archade, ESRF
 - Legal study to explore possibilities to receive and manage private foundings