

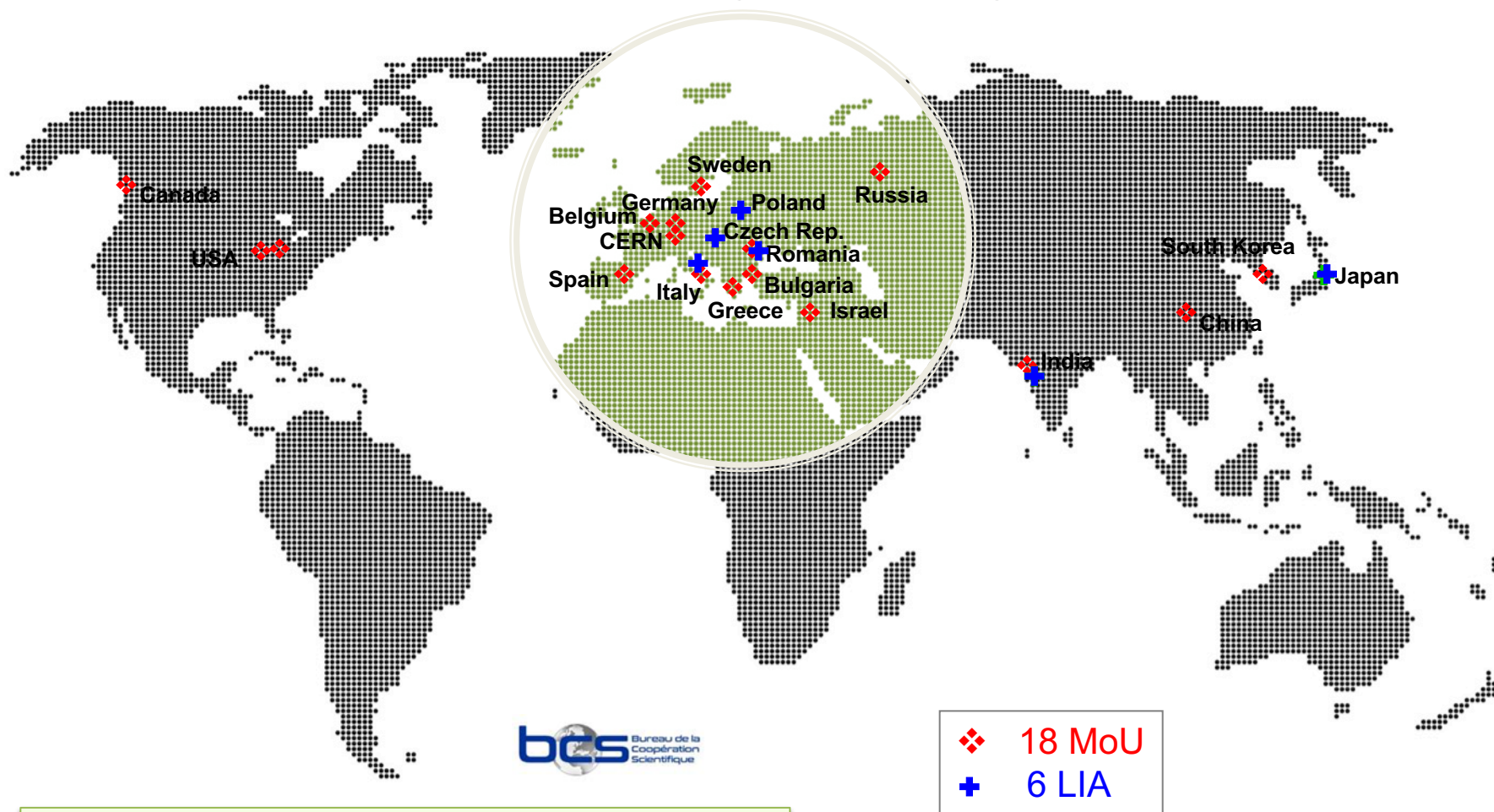
IDEAAL

EU HORIZON 2020 contract

M. Lewitowicz
GANIL

International Collaborations at GANIL-SPIRAL2

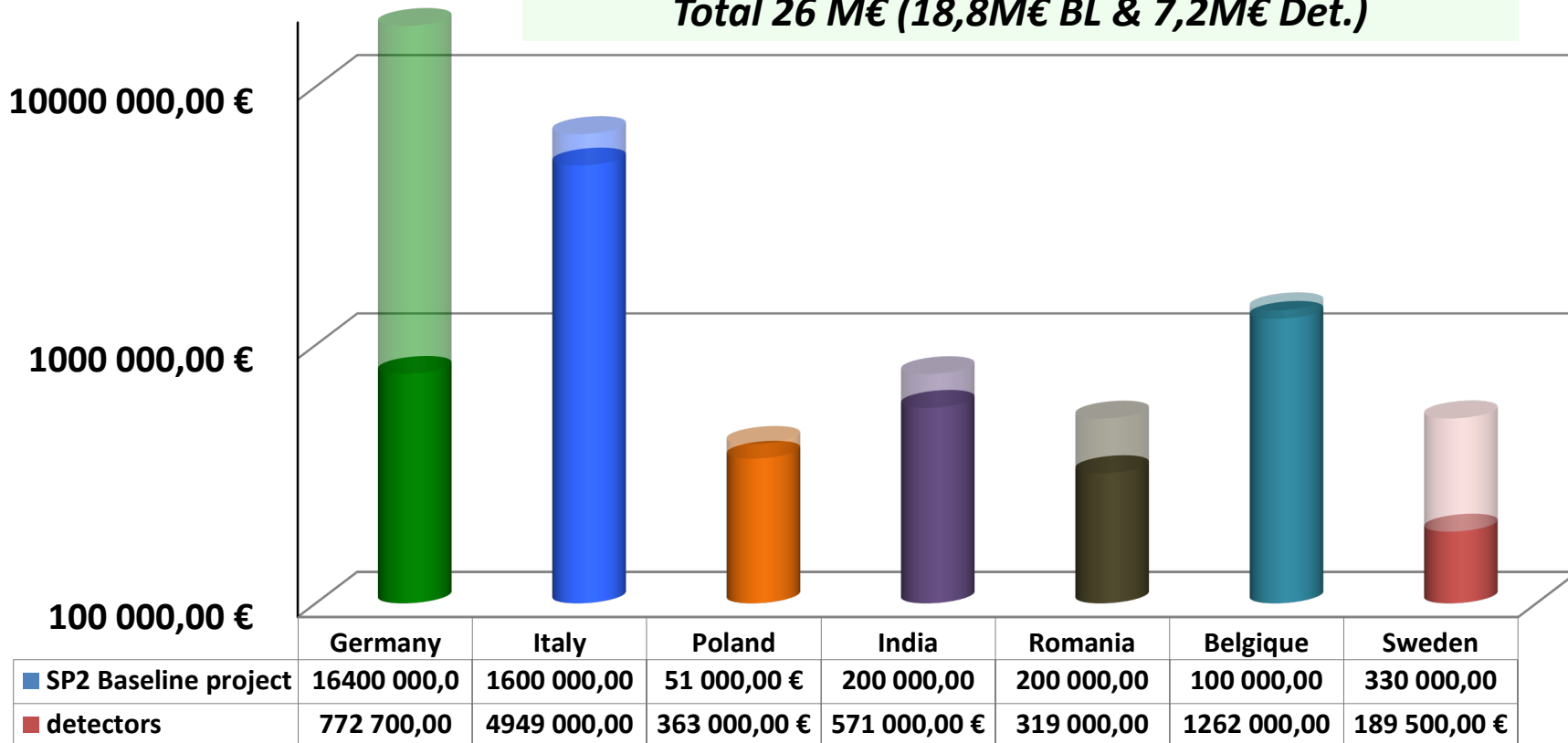
Numerous Collaboration agreements signed since 2002



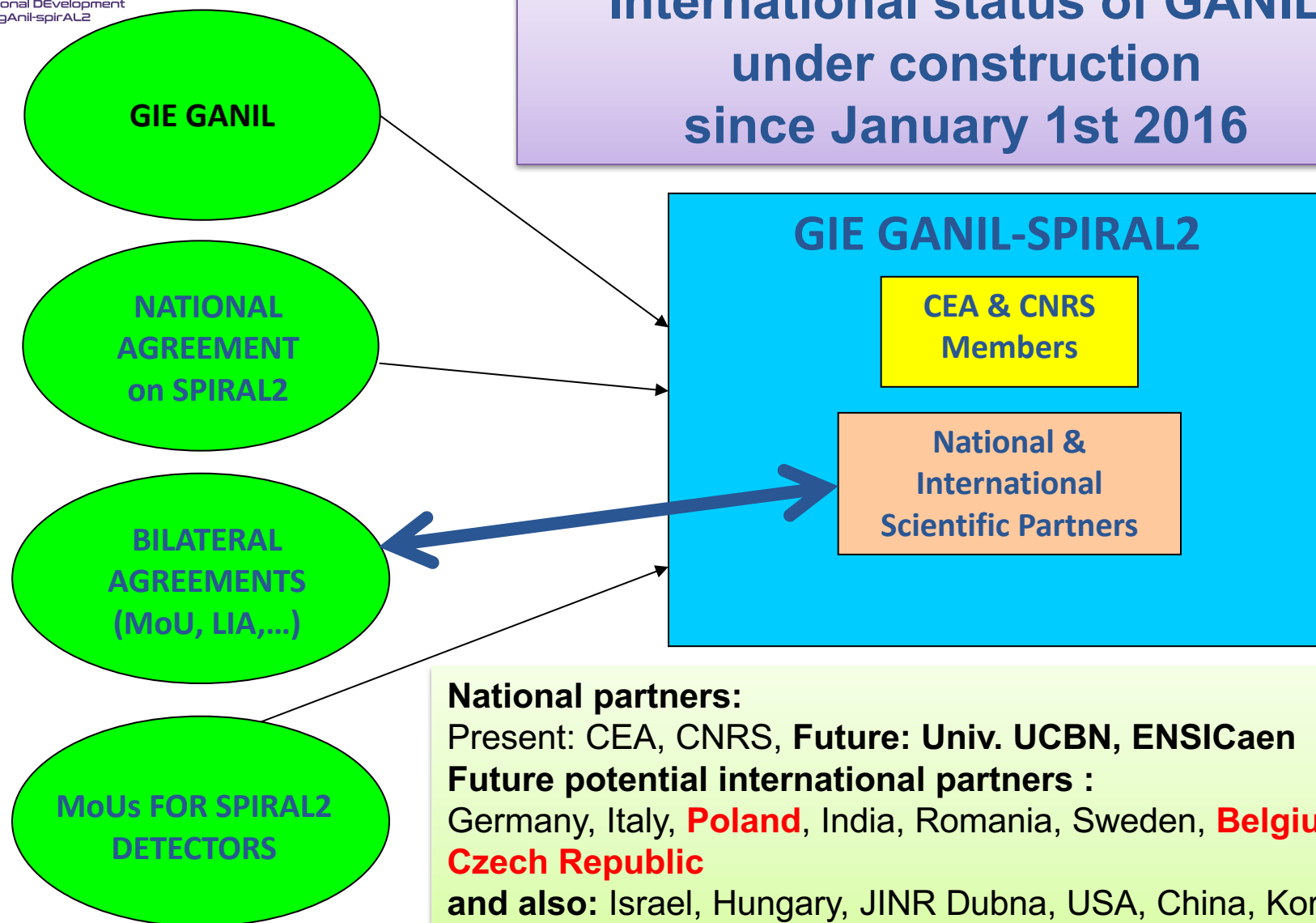
GANIL: 50% of international users

International Contributions to GANIL-SPIRAL2

**Committed International contributions to the SPIRAL2
baseline project &
GANIL-SPIRAL2 detectors (€)**
Total 26 M€ (18,8M€ BL & 7,2M€ Det.)



International status of GANIL under construction since January 1st 2016



“IDEAAL” International Development of gAnil-spirAL2 H2020 Project

INFRADEV-03-2016-2017: Individual support to ESFRI and other world-class research infrastructures: Call - Development and long-term sustainability of new pan-European research infrastructures

Partners:

GANIL - coordinating institution

Coordinator M. L., Deputy Coordinator Ketel Turzo

DRF/CEA-France

IN2P3/CNRS-France

GSI/FAIR-Germany

IFJ Kraków-Poland

Nucléopolis-France

EU contribution: **3,88 M€**

Project duration: **36 months**

Beginning of the EU contract: **1/01/2017**

Web site: <https://ideaal.ganil-spiral2.eu>

Explore all possibilities to develop GANIL infrastructure, with its new ESFRI SPIRAL2 facility, in order to ensure its **long-term sustainability** as one of the premiere European research institutes for nuclear physics, interdisciplinary sciences and related applications.

1. Enlarge the present GANIL membership to include academic institutions and private funding partners. This enlargement goes hand-in-hand with a reinforcement of the involvement of the current and future members and academic users of GANIL-SPIRAL2 in the decision-making process and management of the facility.

2. **Excellence of access to the infrastructure** by optimizing support to the users, access policy, assessment on the cost of access to the facilities and to data, improvement of the performance capabilities as well as exchange and training of personnel with associated partners.
3. **Innovation:** attract industrial users to GANIL-SPIRAL2. Identified new ideas and topics for technology transfer.
4. **Strong communication and outreach policy** towards members and funding partners, users and the layman.

WP1: Management (Leader: GANIL- BCS)

WP2: International coordination & new partners
(Leader: CNRS & CEA)

WP3: Excellence of access to infrastructure
(Leader: GANIL-SG)

WP4: Innovation and industries
(Leader: GANIL-Innovation Officer)

WP5: Communication and outreach
(Leader: GANIL CO)

WP2: International coordination & new partners (Leader: CNRS & CEA)

Task 2.1: Enlargement of membership towards academics and involvement of institutional funders – CEA, CNRS

Task 2.2: Private sponsors and banks – GANIL/CEA

Task 2.3: In-kind contributions – GSI

Task 2.4: Involvement of academic users – representatives of large collaborations in User Board – IFJ PAN

In-kind contributions to the construction of SPIRAL2

Examples

- **Germany:** Beamlines for the SPIRAL2/DESIR facility (equipment)- Cooperation Agreement signed in 2015
- **India:** Diagnostic elements for High Intensity beams from SPIRAL2 – BPM (Equipment, manpower) – LIA collaboration agreement signed in 2017
- **Romania:** Beam Loss Monitor system for LINAC (equipment, manpower) – Custody Contract 2016
- **Poland:** Contribution to the construction of the cryogenic system of LINAC (manpower) – Collaboration agreement signed in 2014
- **Czech Republic:** Converter, irradiation station for NFS (equipment) – LIA collaboration agreement 2017
- **Belgium:** Low energy branch of S3 (equipment, manpower) - agreement not signed yet

Instead of conclusion

- Expected solutions for the management of in-kind contributions to the construction of SPIRAL2 and its detectors
 - Fair cost estimate
 - Follow-up and quality control of the construction and of the commissioning
 - Property transfer
 - Insurance issues
 - Contracts and regulations for workers
 - ...

Thank you for your attention

IDEAAL Budget

Partner/WP	Requested EU Contribution/ €	Direct personnel costs /€	Other direct costs /€	Direct costs of sub-contracting /€	Indirect Costs /€	Beamtime cost /€
GANIL	2 253 990	677 400	652 080	367 500	332 370	224 640
WP1	35 500		28 400		7 100	
WP2	333 500		106 800	200 000	26 700	
WP3	781 250	355 000	158 000	140 000	128 250	
WP4	437 615	127 800	42 580		42 595	224 640
WP5	666 125	194 600	316 300	27 500	127 725	
NUCLEOPOLIS	222 500	160 000	18 000		44 500	
WP4	222 500	160 000	18 000		44 500	
CEA	416 625	233 300	100 000		83 325	
WP2	333 000	176 400	90 000		66 600	
WP4	83 625	56 900	10 000		16 725	
CNRS	232 775	136 220	50 000		46 555	
WP2	232 775	136 220	50 000		46 555	
GSI	475 000	300 000	80 000		95 000	
WP2	475 000	300 000	80 000		95 000	
IFJ PAN	282 500	80 000	146 000		56 500	
WP2	282 500	80 000	146 000		56 500	
Total general	3 883 390	1 586 920	1 046 080	367 500	658 250	224 640

WP3: Excellence of access to infrastructure (Leader: GANIL-SG)

- Task 3.1: Definition of access policies for researchers, organization of the logistic support for researchers, and management of IPRs and ethical issues - GANIL (SG)
- Task 3.2: Assessment of the costs for serving the users - GANIL (SG)
- Task 3.3: Data management - GANIL (STP)
- Task 3.4: How to improve efficiency: study of GANIL performance capabilities (technical and administrative procedures) - GANIL (Direction)
- Task 3.5: Organization of personnel exchange and training - GANIL (SG)

WP4: Innovation and industries (Leader: GANIL-Innovation Officer)

- Task 4.1: Limited pilots of access provision to research teams from industries and involvement of industrial users - GANIL (IO)
- Task 4.2: Industrial applications and technology transfer - Nucléopolis
- Task 4.3: Increase of innovation potential - GANIL (IO)

WP5: Communication and outreach (Leader: GANIL CO)

- Task 5.1: Towards members and funding partners - GANIL (CO)
- Task 5.2: Towards users (academics and industries) - GANIL (CO)
- Task 5.3: Towards the layman - GANIL (CO)
- Task 5.4: Towards press - GANIL (CO)