



LNL USER COMMUNITY ANNUAL MEETING - LNL October 13th, 2016



European Nuclear Science and Application Research 2

ENSAR2 – Grant Agreement n. 654002

Stefano Romano
INFN LNS - Catania



- Starting date March 1st , 2016
- Duration 48 months



ENSAR2 is the integrating activity for European nuclear scientists who are performing research in three of the major subfields defined by **NuPECC: Nuclear Structure and Dynamics, Nuclear Astrophysics and Nuclear Physics Tools and Applications.**

Grant Agreement between

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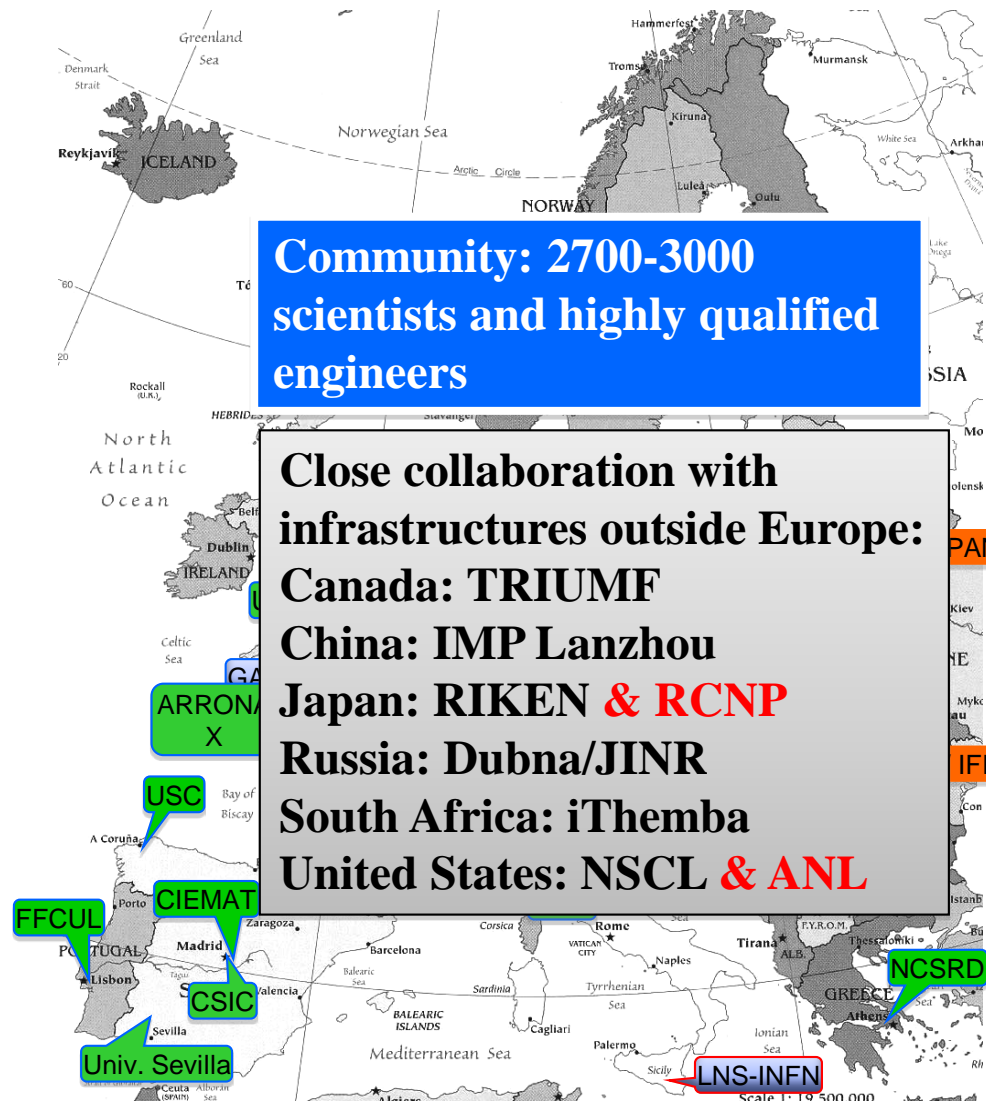
European Union

GANIL, as coordinator and other 29 beneficiaries (15 countries)

Activities:

25 WP:

- 8 Networking Activities (NAs)**
- 7 Joint Research Activities (JRAs)**
- 10 Transnational Access (TAs)**



TAs

- **GANIL-SPIRAL2 (France)**
- **LNL-LNS (INFN, Italy)**
- **ISOLDE (CERN, Switzerland)**
- **JYFL (Finland)**
- **ALTO (CNRS, France)**
- **GSI (Germany)**
- **KVI-CART (The Netherlands)**
- **NLC (HIL/IFJ PAN, Poland)**
- **IFIN-HH/ELI-NP (Romania)**
- **ECT* (Italy)**

NEW
NEW
NEW

LNL-LNS Trans-national Access

Nuclear Structure and Dynamics Based Facilities (NSDBF)

Applied and Interdisciplinary Physics Facilities (AIPF)

INFN - Laboratori Nazionali di Legnaro



INFN - Laboratori Nazionali del Sud



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Financial Officer

TA beneficiaries

- *Trans-national access must be provided to selected 'user-groups', i.e. teams of one or more researchers (users) led by a 'user group leader'.*
- *The user group leader and the majority of the users must work in a country other than the country(ies) where the installation is located.*
- *Access for user groups with a majority of users not working in a EU or associated country is limited to 20% of the total amount of units of access provided under the grant.*
- **Additional comment from B. Fabianek (EC Project Officer):** Access for user groups with a minority of users not working in a EU or associated country is limited to 20% of the user group. **(NEWS)**
- *The user groups must request access by submitting (in writing) a description of the work that they wish to carry out and the names, nationalities and home institutions of the users.*
- *The selection is based on two steps: 1) Advisor Committee selection; 2) User Selection Panel approval.*
- *Priority should be given to user groups composed of users who: 1) have not previously used the installation and 2) are working in countries where no equivalent research infrastructure exist.*



European Nuclear Science and
Applications Research 2

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TA2 - Transnational Access to LNL-LNS



Application Form

For each item you may refer to the enclosed **Guidelines for Application**.

Project Title

Abstract

Accelerator

Superconducting Cyclotron K800 (LNS)

Tandem-ALPI (LNL)

PIAVE-ALPI (LNL)

Tandem XTU (LNL)

Tandem SMP (LNS)

CN (LNL)

AN2000 (LNL)

Facilities of interest

Nuclear Structure and Dynamics Based Facilities (NSDBF)

Applied and Interdisciplinary Physics Facilities (AIPF)

Setup of interest

Group Leader

Family name

First name

Nationality

Home Institution

I confirm that the user group has looked over the specific Provisions for Transnational Access Activities stated in the Article 16 of the Grant Agreement n. [654002](#) (ENSAR2).

Date

Group Leader signature

◀ Encl. 1

◀ Guidelines for Application

Project Title

Indicate the title of the project. Avoid any special character. You are not allowed to use acronyms that infringe existing trademarks, registered patents and other similar rights.

Abstract

A short description of the project.

Group Researchers

Since these data have to be submitted to EC offices to obtain their approval, the list of names must be precise. Home Institution should be specified for each researcher only if different from the Group Leader Home Institution.

Accelerator

Tick the accelerator chosen. Information concerning the available beams can be found in the [LNL](#) or [LNS](#) web pages dedicated to the accelerators.

Facility of interest

TA form

Tick the facility chosen. Information concerning the facilities can be found in the LNL or LNS web pages dedicated to the research facilities.

Setup of interest

State the existing experimental setup you intend to use or the name of the setup you intend to bring and install at LNL or LNS. In the latter case, setup specifications must be included in the proposal description.

Group Leader

In case of more researchers, the Group Leader is the person in charge of coordinating the Project Application for all participants. For the Legal Status of Home Institution, Home Institution Country and Position, use only the code specified in the footnotes (1, 2 and 3).

Access periods requested

Indicate the names of the users involved in the project, the belonging institution (it should be specified for each involved researcher only if different from the Group Leader Home Institution) the number of days that they will spend at LNL/LNS and the number of visits to LNL/LNS previously supported by the ENSAR2 project.

Additional information for the User Selection Panel

Add any additional information you think might be helpful to the User Selection Panel for the evaluation of your proposal (e.g. when applicable, a brief report on the status of any experiment performed in previous periods should be also given).

The application form and a copy of the scientific proposal submitted to the Program Advisory Committees must be sent by e-mail as PDF attachments to LNLENSAR2@LNL.INFN.IT. PLEASE send only the first 4 pages concerning the information on the project and the research team involved – excluding the pages containing the Guidelines).

Any additional request of information can be addressed to:
Insensar2@Ins.infn.it

Scientific Coordinator of the Transnational Access to LNL-LNS research infrastructures

Prof. Stefano Romano
INFN-LNS Laboratori Nazionali del Sud
Via S.Sofia 62

Obligations

What to do after the experiment

a) ensure that all publications directly linked to the work performed in the framework of the supported project include the following sentence in the acknowledgements:

“The research leading to these results has received funding from the European Union HORIZON2020 research and innovation programme under Grant Agreement n 654002 - ENSAR2.”

b) keep LNL and LNS informed of all the publications related to the supported experiments by sending the references to LNSENSAR2@LNS.INFN.IT;

LNL-LNS TA status (13/10/2016)

LNL approved:

5 (2 NSDBF, 3 AIPF) funded and already **performed projects**

21 users and 149 person-days

2 NSDBF funded **project to be scheduled**

16 users and 167 person-days

12 new applications (8 NSDBF, 3 AIPF) at the July 2016 PAC and USIP. Among them 9 (5 NSDBF, 4 AIPF) were approved and are now under evaluation by the LNL-LNS USP.

LNS approved:

1 (NSDBF) **6 users and 21 person-days**

2 (AIPF) **9 users and 144 person-days**

5 new applications (3 NSDBF, 2 AIPF) submitted to the
October 2016 PAC

MEMORANDUM OF UNDERSTANDING

BETWEEN

RNC-RIKEN

AND

IA ENSAR2

ARTICLE 1 PURPOSE OF THE MEMORANDUM

The objective of this MoU is to establish a general framework of collaboration and project relationship, implemented by RNC-RIKEN and IA ENSAR2 to increase cooperation between the Parties in general and to provide a framework for establishing specific collaborative activities between the parties. The collaboration aims:

- (1) to provide access to the facilities at RNC-RIKEN for European physicists and vice versa to the facilities of IA ENSAR2 RIs to Japanese physicists following the rules of the various infrastructures, i.e. approved projects based on scientific merits and feasibility, and
- (2) to increase cooperation and mutual support between the Parties in general.

Each Party shall be responsible for its own costs and expenses under this Memorandum, except as otherwise agreed in writing by the Parties. RNC-RIKEN **will cover the daily expenses** of European physicists, while performing experiments at RNC-RIKEN, **according to local per diem rules** and vice versa, IA ENSAR2 will cover the daily expenses of Japanese physicists, while performing experiments at IA ENSAR2 RIs, according to local per diem rules of the IA ENSAR2 RIs. In the case of IA ENSAR2 support, **mutual spokesmanship for the experiments is required**.

Per project, the access for a user group with a minority of users not working in a EU or associated country is limited to 20% of the user group.

Possible candidates for such bilateral MoUs are:

- Japan: RIKEN, RCNP
- Russia: JINR Dubna
- USA: NSCL, ANL
- South Africa: iThemba
- Canada: TRIUMF
- China: Lanzhou, Beijing
- India: BARC, TIFR, VECC