

WP2 Short Report on Access to RI for Nuclear Physics

Adam Maj
WP2 coordinator
IFJ PAN Kraków



Photo: Piotr Zielinski

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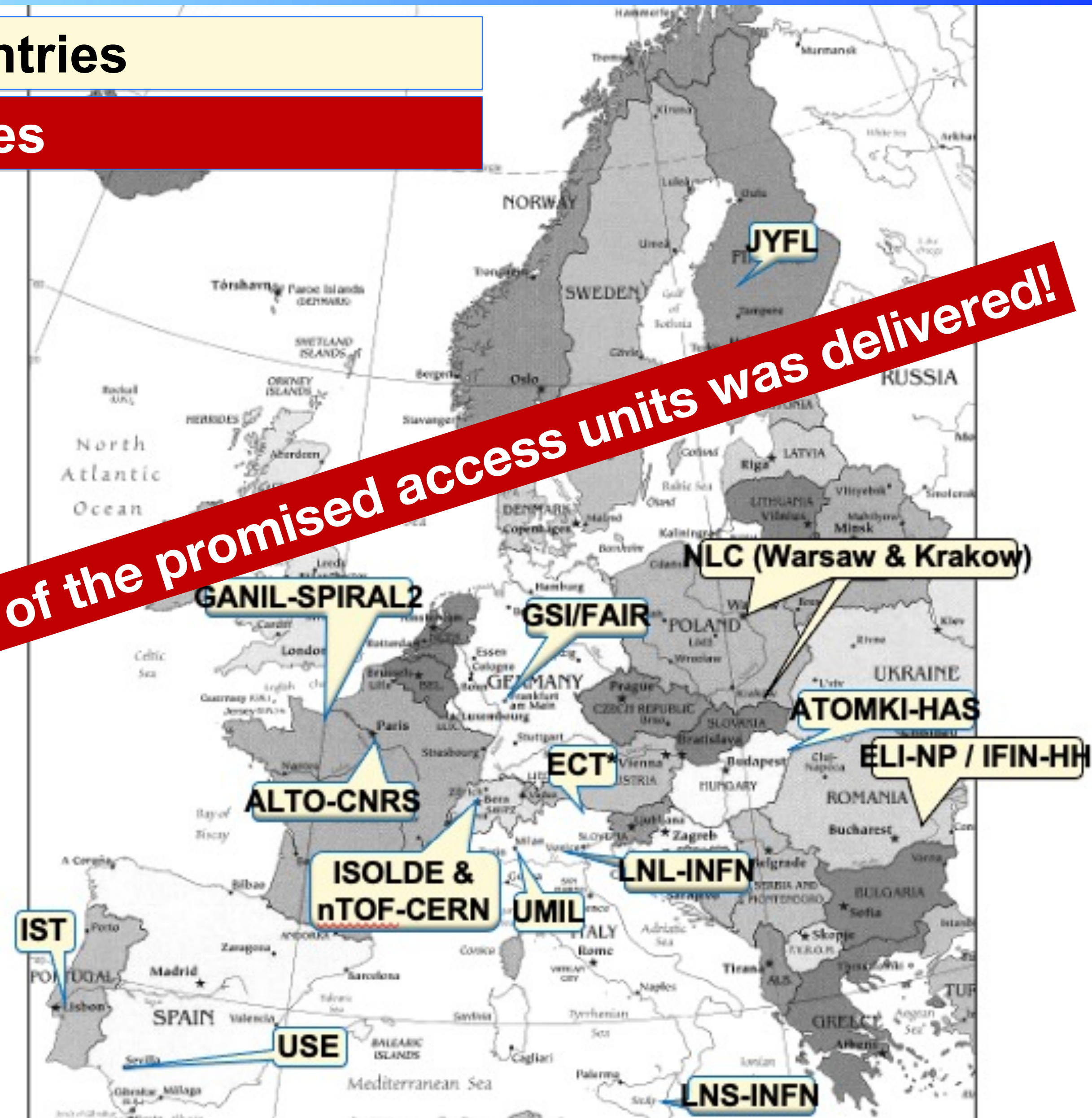
WP2: TA/VA access to RI and instrumentation

WP2: 17 TA/VA facilities in 9 countries

16 beneficiaries in 11 countries

Facility coordinators	
LNL/LNS	Tommaso Marchi
	Allesia di Pietro
GANIL-SPIRAL2	Emanuel Clement
ALTO	Jon Wilson
	Christoph Scheidenberger
GSI/FAIR	Sean Freeman
ISOLDE@CERN	Alberto Mengoni
n-TOF@CERN	Paul Greenlees
JYFL	Katarzyna Hadyńska-Klęk
NLC-SLCJ	
NLC_CCB	Maria Kmiecik
IFIN-HH	Alexandru Negret
	Joaquin Gomez
USE Sevilla	Camacho
ATOMKI Debrecen	Sandor Biri
	Victoria Corregidor
U. Lisboa	Berdasco
WP2.4.1 ECT*	Gert Aarts
WP2.4.2 Theo4Exp	Manuela Gallardo
	Piotr Bednarczyk
	Jerzy Dudek
	Gianluca Colo

In the 1st year 47% of the promised access units was delivered!



Task: WP2.4 Theoretical Support for Experiments

Theoretical support in the Task 4 of WP2, offers Transnational Access to ECT* theoretical facility in Trento.

Very soon **Virtual Access to Theo4Exp** infrastructure, localized in 3 installations: **MeanField4Exp** in Krakow, **Reaction4Exp** in Seville, and **Structure4Exp** in Milano, will be offered. All needed personnel was hired, the essential part of the software was implemented, the services are in the testing phase.



WP2.4: Research
infrastructures
offering
theoretical
support for
experiments

Manuela
Rodríguez
Gallardo

Theo4Exp Virtual Access

- Contracted personnel
 - ⇒ MeanField4Exp(IFJ PAN): 2-year contract
 - ⇒ Dr. Abdelghafar Gaamouchi, from 02/2023.
 - ⇒ Reaction4Exp (U. Sevilla): 2-year contract
 - ⇒ Carla Muñoz (Master), from 09/2023.
 - ⇒ Structure4Exp (U. Milano): 1-year contract
 - ⇒ Dr. Imane Moumene, from 03/2023.
- Users authentication via iam-eurolabs.ijclab.in2p3.fr (by WP5)
- Platforms are being developed with several programs already working: tests are still in order
- Open to the users is expected by the end of 2023
- Webpage: institucional.us.es/theo4exp

Task 2.5 Service improvements

Task 5 of WP2 will provides important improvements of the services offered by the RIs from the Tasks 1-3. Service improvement is a foremost perk of EURO-LABS, whose goal is indeed to provide advanced, state-of-the-art services to users of the RIs, to make them more attractive and competitive.

The work in all WP2.5 subtasks goes accordingly to the plan.

- Task 2.5.1 Streamlined access** - coord. Paweł Napiorkowski (Warsaw)
- Task 2.5.2 Targets** - coord. Manuela Cavallaró (LNS)
- Task 2.5.3 FLASH** - coord. Marco Durante (GSI)
- Task 2.5.4 ERIBS** - coord. Hannu Koivisto (JYFL)
- Task 2.5.5 INTRANS** - coord. Magda Górska (GSI)

All planned in the GA milestones for the 1st year were achieved

List of WP2 Milestones



Done



Ongoing

Milestone number	Milestone name	Related work package(s)	Due date (in month)	Means of verification
MS1	Consortium Agreement signed	1.1	1	Final version released
MS2	Preparation of calls for submission of proposals to stable beam access facilities completed.	2.1	6	Survey / questionnaire to stable beam access facilities.
MS3	All provision of access offered completed	2.1	46	Survey / questionnaire to stable beam access facilities.
MS4	Preparation of the call for submission of projects to access each of the RIs providing radioactive-ion beams.	2.2	6	Survey / questionnaire to radioactive-ion beam access facilities.
MS5	Completion of all the experiments proposed	2.2	46	Survey / questionnaire to radioactive-ion beam access facilities.
MS6	Preparation of the call for submission of projects to access each of the RIs providing neutron beams.	2.3	6	Survey / questionnaire to neutron beam access facilities.
MS7	Completion of all the experiments proposed	2.3	46	Survey / questionnaire to neutron beam access facilities.
MS8	Calls for proposals to be hosted at ECT*	2.4	18	ECT* web page
MS9	EURO-LABS-related workshops carried out at ECT*	2.4	42	Workshop programs at ECT* web page
MS10	Contracted personnel for Theo4Exp VA in place and first codes available for users in the virtual facility	2.4	18	Available software validated by the IRP
MS11	All codes installed at Theo4Exp VA and interoperability among different nodes established	2.4	42	All software released and validated by IRP
MS12	Completed database containing selected features of remote-access toolkit	2.5	18	Database validated and web-interface released
MS13	Production of a report to define the state of the art in the field (targets for NP) and collect the requests from the community.	2.5	3	Report complete and available
MS14	Reports on FLASH detectors for different facilities	2.5	18	Report complete and available
MS15	Conceptual plan for online monitoring of long-term operation beam stability	2.5	12	Report of conceptual plan released
MS16	Organisation of hands-on workshops & training schools	2.5	30	Website for training events available

Zrzut ekranu

WP2: Summary

The work of the **WP2** is performed in a **synergy** with the 2 other TA work packages: **WP3** and **WP4**, and also **profit** from the transversal work packages: **WP1** (general coordination, web page, videos) and **WP5** (Dissemination, Open Data, Machine Learning).

E.g. in VA Theo4Exp the Authentication Method developed by WP5 will be employed for the access.

**In general:
The work in WP2 is progressing according to the plan**