



HORIZON-INFRA-SERV-07-01

WP3 – Access to Research Infrastructures for Accelerator R&D



9–11 Oct 2023 Europe/Rome timezone

I. Efthymiopoulos – for the WP3 many thanks to all FC for the work done!!



This project has received funding from the European Union's Horizon Europe Research and Innovation programme under Grant Agreement No 101057511.



- Include the leading facilities involved in Accelerator R&D in Europe
- Maintain and further strengthen the collaboration, exchange of information, and knowledge between the facilities and the User Community
- Support the User Groups in their Research
 - provide expert help, exploit the full capabilities and extract the maximum scientific outcome from the facilities
- With targeted service improvements, enrich the possibilities of the facilities to the profit of the Users
- Fertilize synergies between the research communities and applications
- Support ongoing R&D efforts in the Present and Future Accelerators
- Targeted Outreach & Training activities to attract new (or to be) Researchers in the Field of Accelerators



EUR® LABS WP3 & Accelerator R&D

EURO-LABS in I-FAST Meeting, May 2022

AMICI-I-FAST WP13 Workshop on Facilities for Beam test of accelerator components



Innovation Fostering in Accelerator Science and Technology

TIARA

Reports in TIARA Meetings

ort the Implementation of erator R&D Activities,

- Trans-field activities also beyond PP,
- Roadmaps/Priorities iof various muncities



EURO-LABS WP3

EUPRAXIA

Compact European Plasma Acceleration with Superior Beam Quality Detector R&D tests @ HIRadMat

AIDAinnova



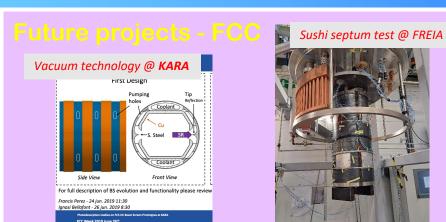


EuPRAXIA@SPARCLAB

Presentation by Angelo Biagioni on Wednesday

EURO LABS WP3 & Accelerator R&D FOR ACCELERATOR BASED SCIENCES WP3 & Accelerator R&D









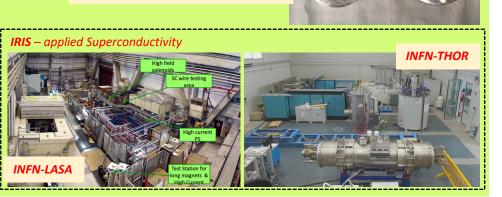
EURO-LABS SAM, 09.10.2023

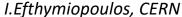




Technology

QPR sample conditioning and testing for HZB @ **SUPRATECH**



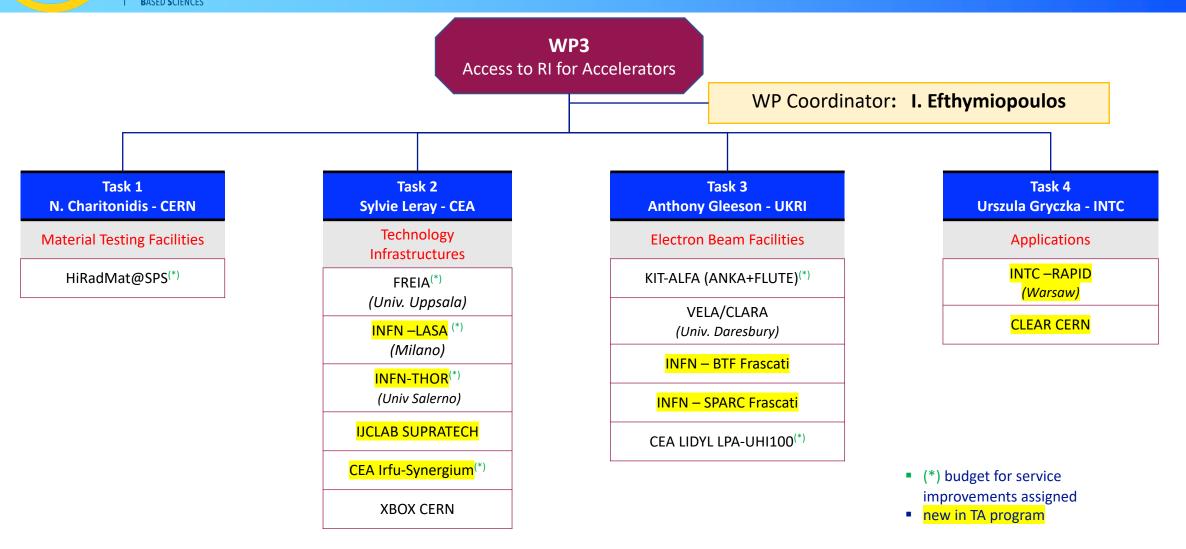


User Selection Panels

Meetings

Activities in P1





EURO-LABS SAM, 09.10.2023 I.Efthymiopoulos, CERN 6

- User Selection Panels
 - TA application forms from project web (doc & excel) and procedures defined and working
- Meetings

Activities in P1





WP Coordinator: I. Efthymiopoulos

Task 1 N. Charitonidis - CERN

Material Testing Facilities

- Nikolaos Charitonidis (CERN)
- -Alice Goillot(CERN)
- David Sprouster (SUNY Stony Brook, BNL)
- -Bernie Riemer (ORNL, chair)
- Ilias Efthymiopoulos (CERN)

external members

Task 2 Sylvie Leray - CEA

Technology Infrastructures

- Sylvie Leray (CEA, chair)
- -Thomas Proslier (CEA)
- Roberto Corsini (CERN),
- David Longuevergne (CNRS)
- Dario Giove (INFN)
- -Rocío Santiago Kern (UU)
- -Jose Manuel Perez (CIEMAT)
- Marc Wenskat (DESY)
- -Robert Zierold (Hamburg University)
- Bernard Auchmann, (PSI)
- Robert Laxdall (TRIUMF)
- -Ilias Efthymiopoulos (CERN)

Task 3 Anthony Gleeson - UKRI

Electron Beam Facilities

- -Anthony Gleeson (STFC, chair)
- -Sandrine Dobosz Dufrenoy (CEA)
- -Robert Ruprecht (KIT)
- Riccardo Pompili (INFN-LNF)
- Roberto Corsini (CERN)
- Florian Burkart (DESY)
- Leonida Gizzi (CNR-INO)
- -Shaukat Khan (Dortmund)
- -Markus Ries (HZB)
- -Ilias Efthymiopoulos (CERN)

Task 4 Urszula Gryczka - INTC

Applications

- Urszula Gryczka (INCT, TL, chair)
- -Roberto Corsini (CERN)
- -Angeles Faus-Golfe (CNRS/IN2P3)
- -Rob Edgecock (HUD)
- -Ilias Efthymiopoulos (CERN)
- Most of the USP meetings are organized on zoom (remote)
- Yearly meetings or ad-hoc, depending on applications received

- User Selection Panels
 - TA application forms from project web (doc & excel) and procedures defined and working
- Meetings
 - Work-package all facility coordinators: 3(+1) meetings in P1
 - Task Leader: 2 meetings in P1
- Activities in P1

- User Selection Panels
 - TA application forms from project web (doc & excel) and procedures defined and working
- Meetings
 - Work-package all facility coordinators: 3(+1) meetings in P1
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- Activities in P1



EUR® LABS Milestones/Deliverables

• First milestones: MS17 and MS19 completed (February 2023)

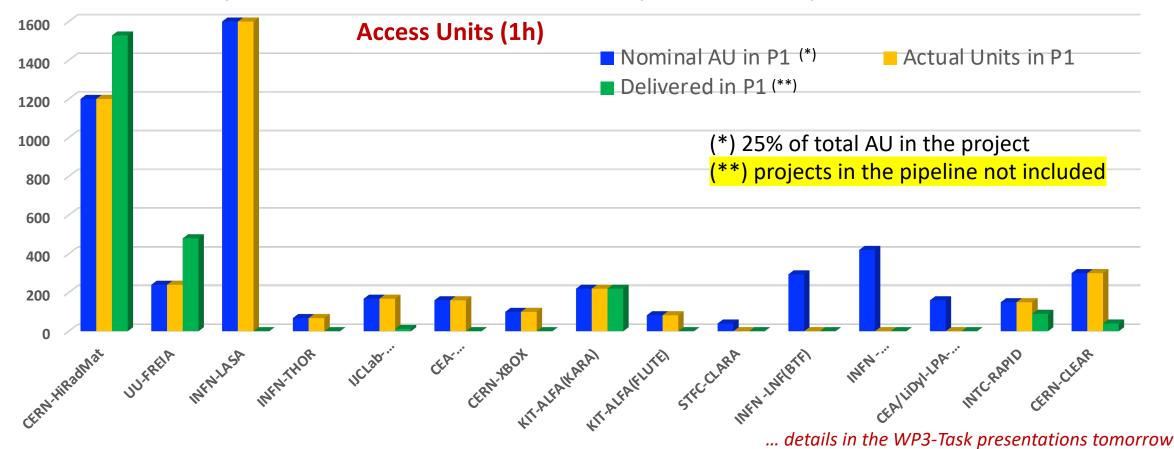




... details in the WP3-Task presentations tomorrow



- First TA projects completed
 - slower startup in some facilities will catch up in the next period





- Data Management Plan (DMP): organised at facility level
 - Discussions with WP5 team implementation of a minimal DMP for Open Access under FAIR (Findability, Accessibility, Interoperability, and Reuse of digital assets)
- Training Outreach
 - Hands-on training on large Accelerators @ CERN
 - Combined effort with WP2 ISOLDE and WP3 PS booster, CLEAR coordinated by WP5
 - Yearly (?) sessions for the duration of the project, starting >March 2024
 - Training in INCT-RAPID for Applications

EURO + LABS In the news EURO PEAN LABORATORIES FOR ACCELERATOR BASED SCIENCES



- EURO-LABS article on kick-off meeting in CERN Courier
 - Issue January/February 2023

 Further articles to follow on highlights of TA projects

Facility videos coordinated by WP1

... details in the WP3-Task presentations tomorrow



- Work to finalize our part on the Period-1 Report
- Achieve cruising speed on TAs and implement Service Improvements
 - MS18: Majority of TAs attributed,
 - MS20 : Services improvements implemented for August'25

Deliverables ahead

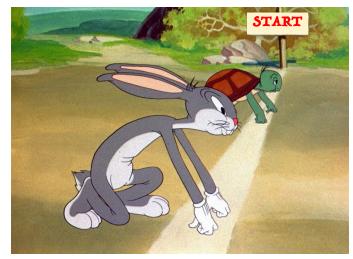
DELIVERABLES

D#	Task	Deliverable Name	Due date	Leader	Туре
D3.1	3.1	Report on the progress of TA for Material Testing RIs	28 Feb 2026	CERN	Report
D3.2	3.2	Report on the progress of TA for Technology Infrastructure RIs	28 Feb 2026	CEA	Report
D3.3	3.3	Report on the progress of TA for Electron and Plasma Beam RIs	28 Feb 2026	INFN	Report
D3.4	3.4	Report on the progress of TA for Application oriented RIs	28 Feb 2026	INCT	Report
D3.5	3.1	Report on the service improvement for material testing RIs	31 Aug 2025	CERN	Report
D3.6	3.2	Report on the service improvements for Technology Infrastructures	31 Aug 2025	CEA	Report
D3.7	3.3,3.4	Report on the service improvement for electron and plasma beams	31 Aug 2025	INFN	Report

Note:

Success is a marathon, not a sprint;





...and we all know well how the story ends!