

ECFA plenary meeting CERN 18/11/2022

The EURO-LABS project

Paolo Giacomelli INFN Bologna







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





The EUROpean Laboratories for Accelerator Based Sciences (**EURO-LABS**) project aims to provide unified Transnational Access to leading research infrastructures across Europe. Taking over from previously running independent programmes (**ENSAR2**, **AIDAinnova**, **I.FAST**) it brings together the nuclear physics, the high-energy accelerator, and the high-energy detector R&D communities.



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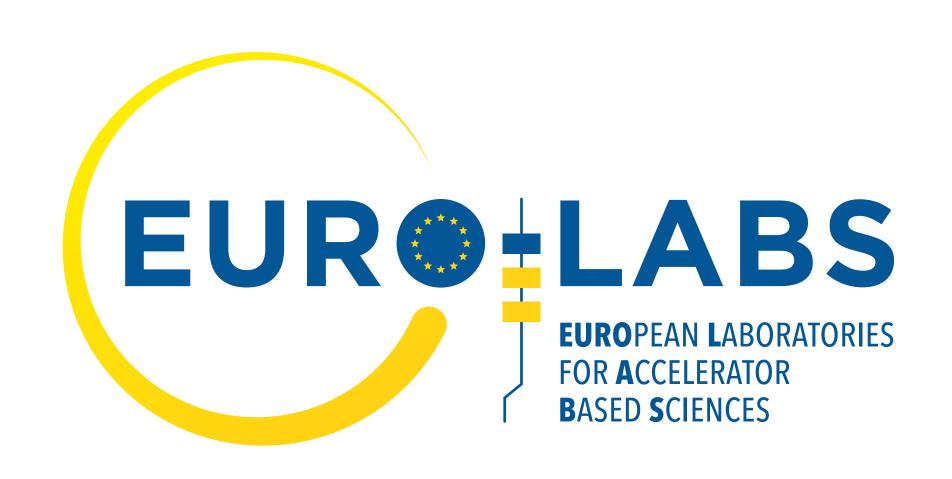


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At the **kick-off meeting**, held in **Bologna** from the **3**rd **to 5**th **October**, presentations offered a detailed overview of the research infrastructures and facilities providing particle and ion beams at energies from meV to GeV.





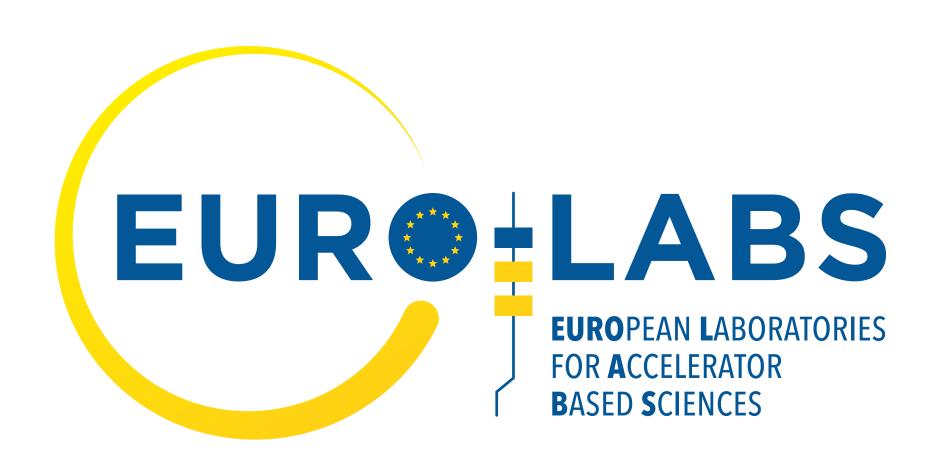


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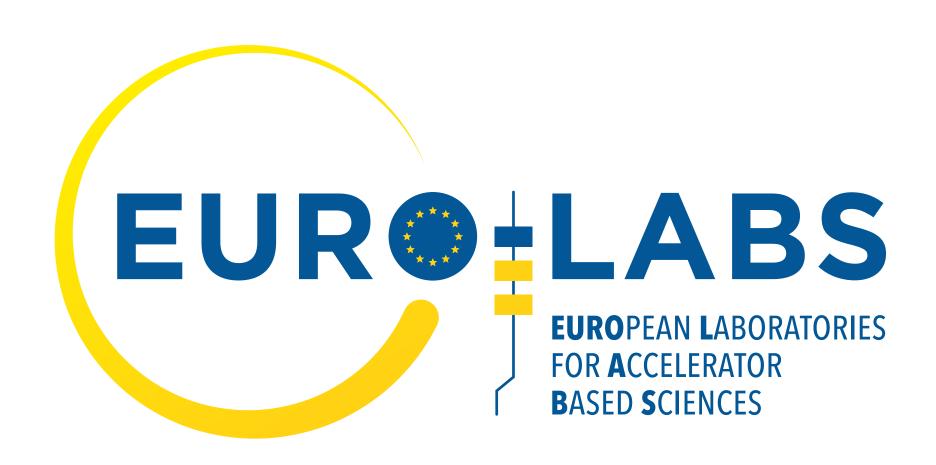


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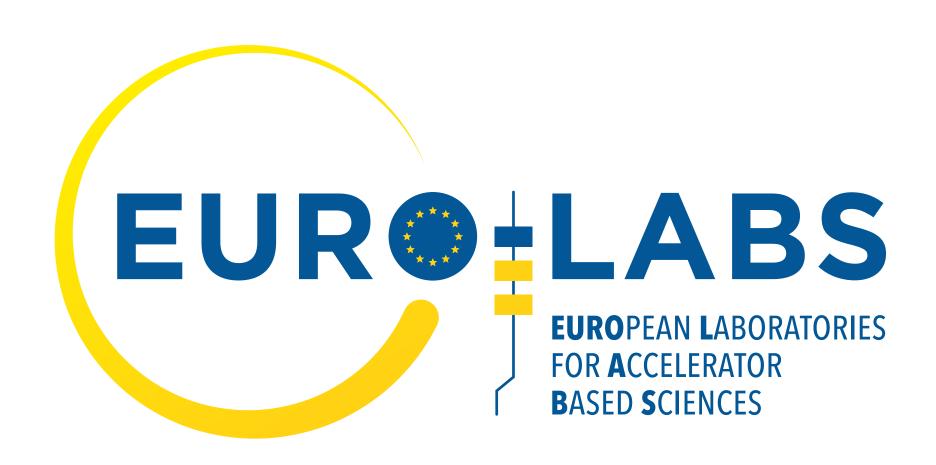


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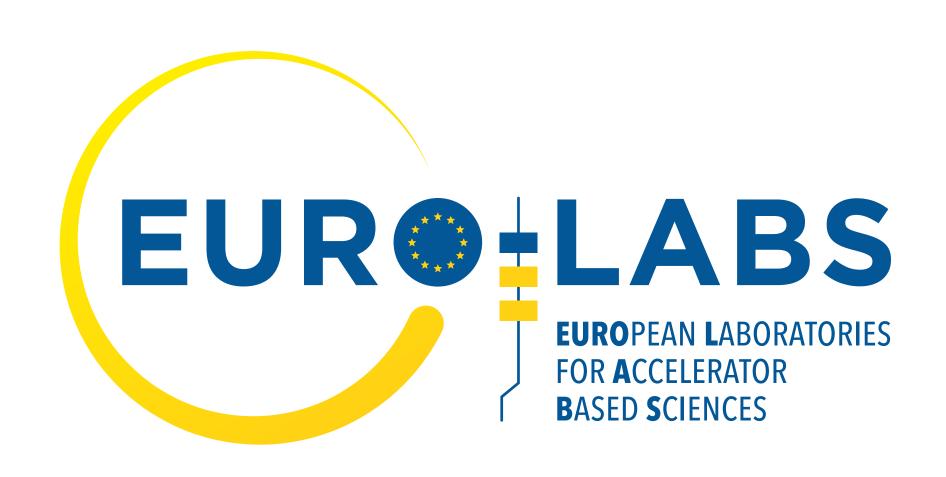


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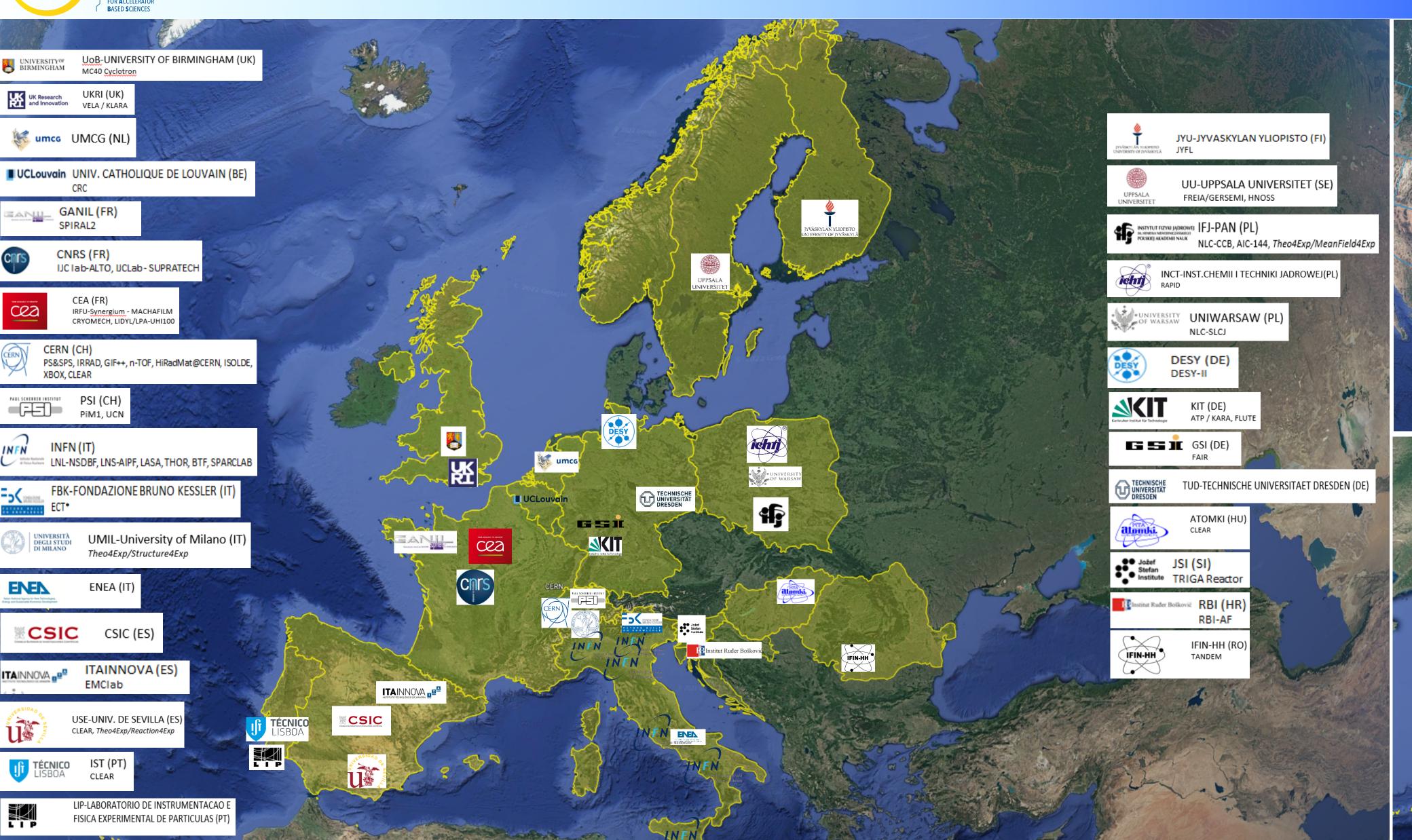


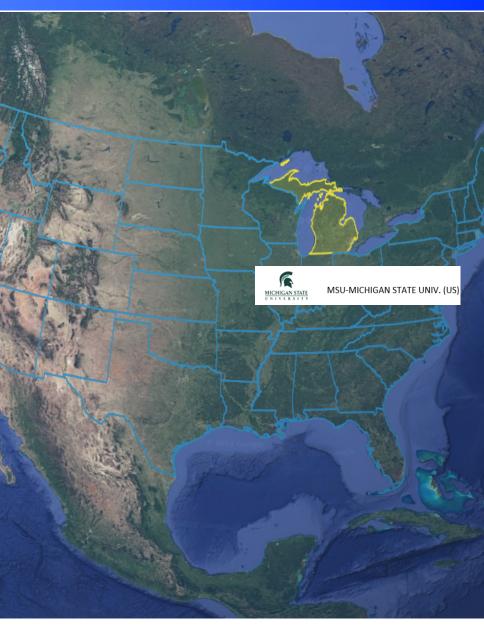
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EURO-LABS Research Infrastructures









EURO-LABS participants

Participant number	Participant organisation name	Short name	Country	Role	WP
1 (Coord)	Istituto Nazionale di Fisica Nucleare	INFN	Italy	Coordinator	WP1, WP2, WP3, WP5
2	Grand Accélérateur National d'Ions Lourds	GANIL	France	Beneficiary	WP2, WP5
3	European Organization for Nuclear Research	CERN	IEIO	Beneficiary	WP1, WP2, WP3, WP4
4	Institut Jozef Stefan	JSI	Slovenia	Beneficiary	WP4
5	Henryk Niewodniczanski Institute of Nuclear Physics	IFJ PAN	Poland	Beneficiary	WP2, WP4
6	Stiftung Deutsches Elektronen-Synchrotron	DESY	Germany	Beneficiary	WP4
7	Université Catholique de Louvain	UCL	Belgium	Beneficiary	WP4
8	Ruder Boskovic Institute	RBI	Croatia	Beneficiary	WP4
9	Centre National De La Recherche Scientifique	CNRS	France	Beneficiary	WP2, WP3, WP5
10	Fondazione Bruno Kessler	FBK	Italy	Beneficiary	WP2
11	Instituto Tecnológico De Aragón	ITAINNOVA	Spain	Beneficiary	WP4
12	Uniwersytet Warszawski	UNIWARSAW	Poland	Beneficiary	WP2
13	Helmholtzzentrum für Schwerionenforschung GmbH	GSI	Germany	Beneficiary	WP2, WP5
14	Institutul National de Cercetare-Dezvoltare Pentru Fizica si Inginerie Nucleara-Horia Hulubei	IFIN	Romania	Beneficiary	WP2, WP5
15	Universidad De Sevilla	USE	Spain	Beneficiary	WP2
16	Instituto Superior Técnico	IST	Portugal	Beneficiary	WP2
17	Atommagkutato Intézet	ATOMKI	Hungary	Beneficiary	WP2
18	Jyväskylän Yliopisto	JYU	Finland	Beneficiary	WP2
19	Uppsala Universitet	UU	Sweden	Beneficiary	WP3
20	Commissariat à l'Énergie Atomique et aux Énergies Alternatives	CEA	France	Beneficiary	WP2, WP3, WP5
21	Karlsruher Institut für Technologie	KIT	Germany	Beneficiary	WP3
22	Academisch Ziekenhuis Groningen	UMCG	Netherlands	Beneficiary	WP2
23	Instytut Chemii i Techniki Jądrowej	INCT	Poland	Beneficiary	WP3
24	Agencia Estatal Consejo Superior de Investigaciones Científicas	CSIC	Spain	Beneficiary	WP5
25	Università degli Studi di Milano	UMIL	Italy	Beneficiary	WP2
26	Paul Scherrer Institut	PSI	Switzerland	Associated	WP4
27	The Institute of Physical and Chemical Research	RIKEN	Japan	Associated	
28	Michigan State University	MSU	USA	Associated	
29	Technische Universität Dresden	TUD	Germany	Associated	
30	Laboratório de Instrumentação e Física Experimental de Partículas	LIP	Portugal	Associated	
31	Agenzia Nazionale per le Nuove Tecnologie, l'energia e lo Sviluppo Economico Sostenibile	ENEA	Italy	Associated	
32	The University of Birmingham	UoB	UK	Associated	WP4
33	United Kingdom Research and Innovation	UKRI	UK	Associated	WP3



Management of EURO-LABS

- Coordinating Institute: INFN
 - Project Coordinator: Paolo Giacomelli (INFN Bo)
 - Financial manager: Tiziano Ferro (INFN LNF)
 - Scientific Coordinator: Navin Alahari (GANIL)
 - Three Deputies: Maria Colonna (INFN LNS), Ilias Efthimiopoulos (CERN) and Marko Mikuz (JSI)

Project coordinator



Scientific coordinator



Deputy Scientific coordinator Deputy Scientific coordinator





Deputy Scientific coordinator





EURO-LABS structure



Governing Board (GB)

One representative from each beneficiary of the project

WP1

Management team (MT)

Scientific coordinator
3 Deputy coordinators
Project coordinator

Steering Committee (SC)

Scientific coordinator
3 Deputy coordinators
Project coordinator
Work Package coordinators

Integrated access Service improvements

WP2 Access for Physics

Stable Ion beams
Radioactive Ion beams
Neutron beams
Theoretical support
Service improvements

WP3

Access for Accelerators

Material testing
Technology infrastructures
Electron beams
Applications

WP4

Access for Detectors

Test beams
Detector characterization
Irradiation facilities
Service improvements

Sharing Knowledge and Technology in an Open, Diverse and Inclusive manner

WP5

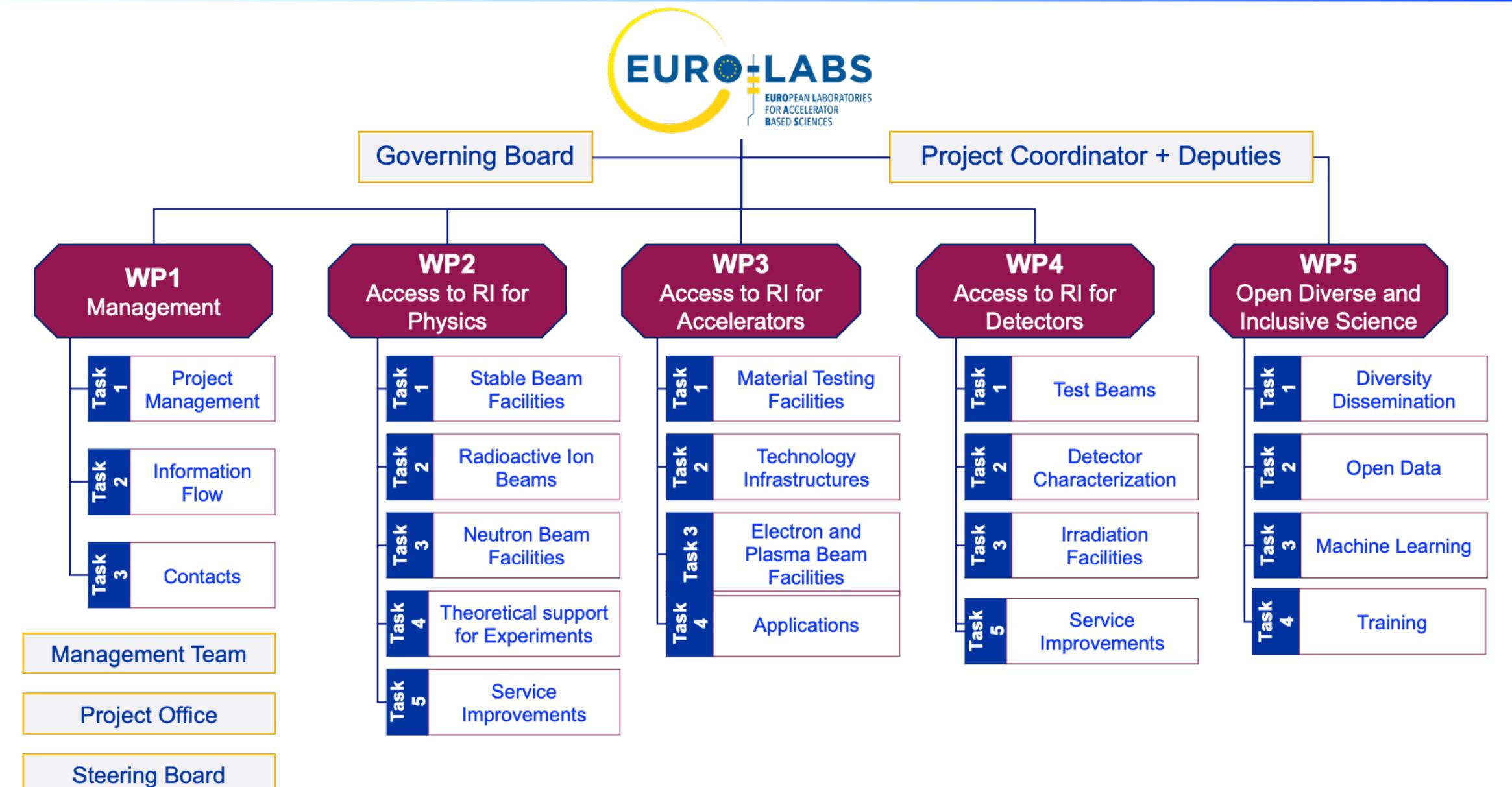
Open, Diverse and Inclusive Science

Diversity and dissemination
Open data
Machine learning
Training

EURO-LABS - Paolo Giacomelli



EURO-LABS structure





EURO-LABS EU Budget

Project		Fraction of budget	
EURO-LABS	14200	100%	
Transnational Access activities	9600	67.8%	
Service improvement	2210	15.6%	
Open Diverse and Inclusive Science	1310	9.2%	
Management	1060	7.5%	

Budget	Access (in k€)	Percentage	Service improvements (in k€)	Percentage
Nuclear Physics facilities	5000	52	1200	54
HEP facilities	4600	48	1010	46
Accelerators	2600		400	
Detectors	2000		610	





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- Reimbursement of travel expenses to many of the Research Infrastructures
- Reimbursement of lodging expenses at RIs
- Support at the laboratories hosting the RI
- Service improvements for future research and training of new users



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Who can apply to EURO-LABS TA

- European research groups
- Non-EU research groups up to 20% of the overall budget
- Eligibility criteria: https://web.infn.it/EURO-LABS/eligibility-criteria/



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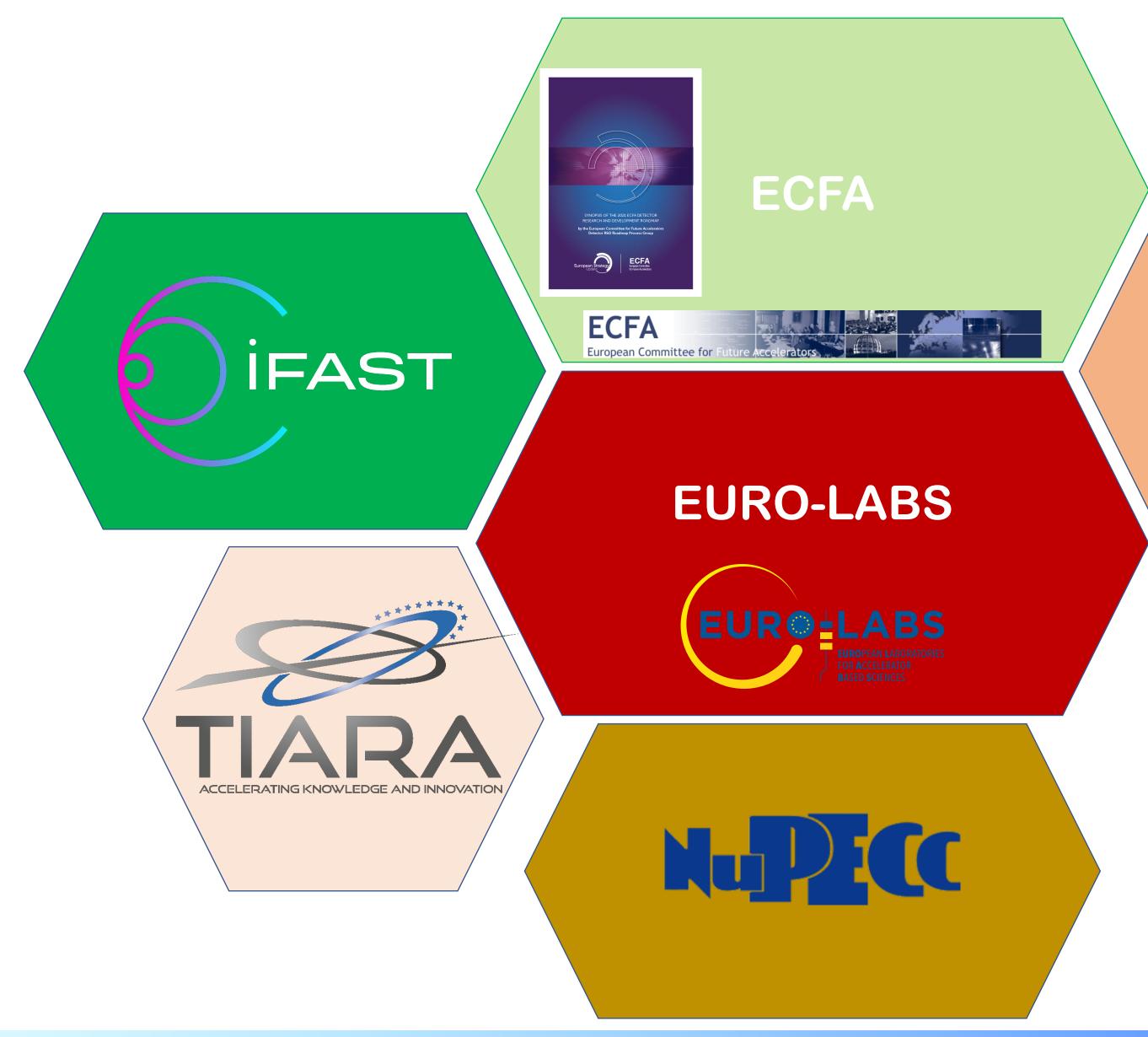
Application Procedure: https://web.infn.it/EURO-LABS/how-to-apply-for-transnational-access/



EURO-LABS ecosystem



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AlDAinnova







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