

Transnational Access in H2020

EU funding of Research Infrastructures (RI)

Funding of Integrated Activities in H2020

Best Practise of TNA

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CREMLIN, WP2 Workshop on Funding,
ESRF 14-16. June 2017

European Funding of Research Infrastructures

European Funding to operating national RIs for opening to international user free of charge via Transnational Access (TNA)

> since FP2 (1986)

individual RI for TNA and R&D projects

> since FP6 (2002)

via an **Integrated Activities** (I3) as an consortium of RIs
by: Networking TNA Joint Research Activities (JRA)

via Design studies and Policy Support Actions

> since FP7 (2007)

top down topics for I3s

additional **ESFRI** projects

e-infrastructures



EU requirements for funding TNA in H2020

> Users not coming from the country where the RI is located

exception: International RI & remote/virtual access

since 2016: users from third countries (also from Russia) up to 20%

> EU finances via TNA:

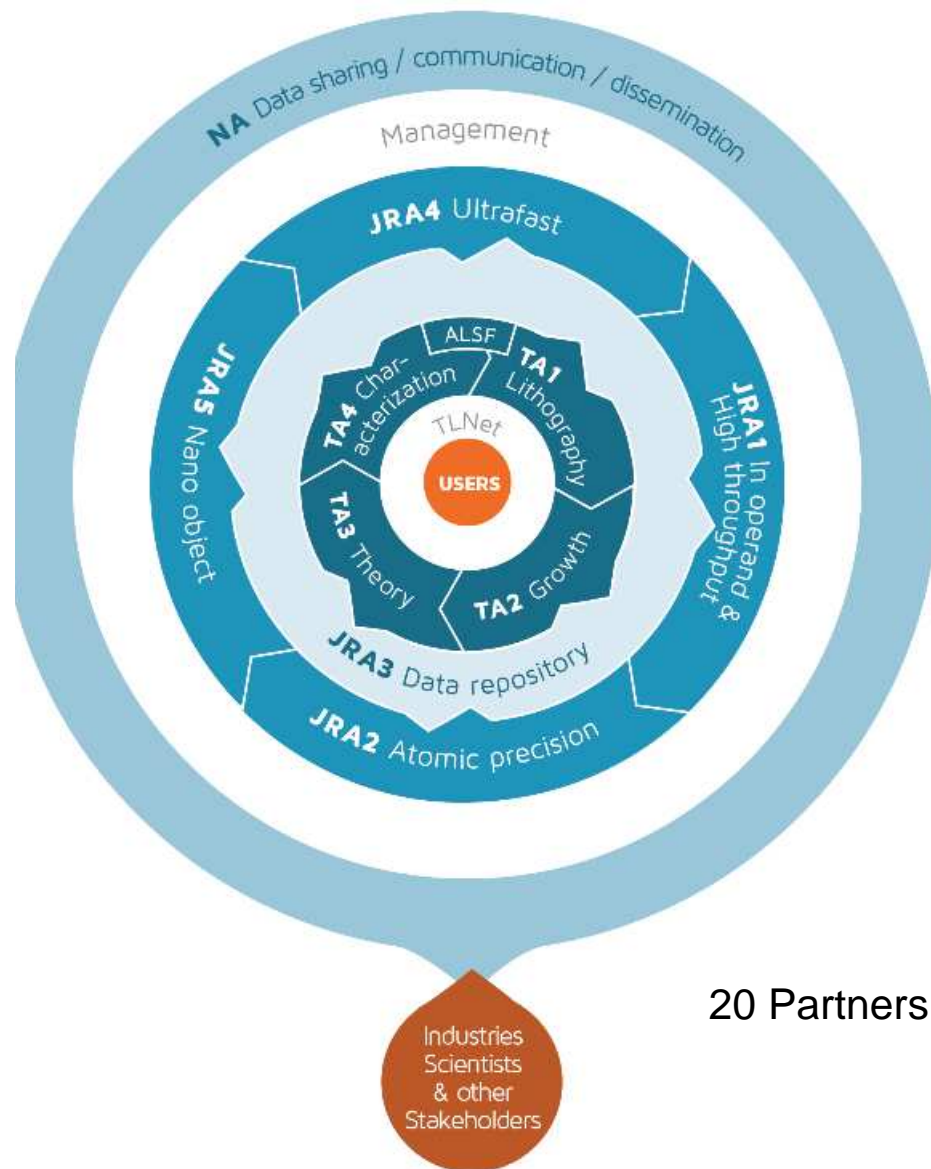
- User visit (travel costs)
- Service costs only linked to usage by user otherwise => networking act.
- Operation costs of the RI in proportion to the usage by user (e.g. per beamtime), without investment costs

> Selection of users:

- based on scientific excellence
- by an international selection panel

Guideline: Charter of Access





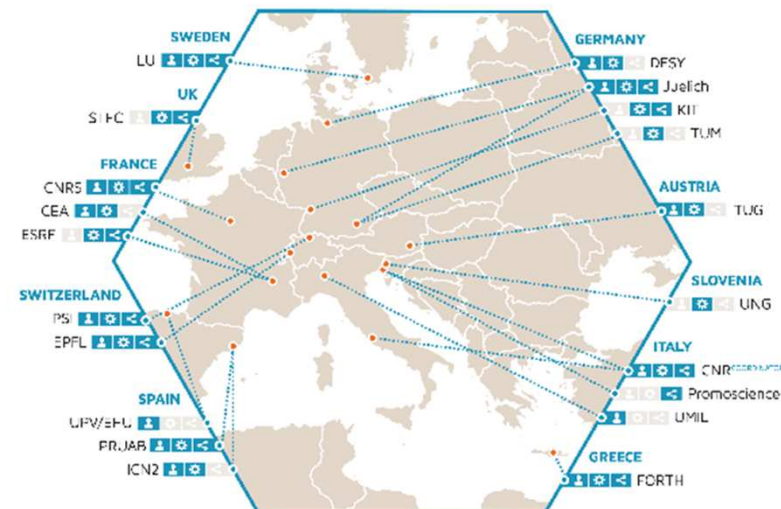
20 Partners

Access to conduct nanoscale research:

- Lithography & Patterning
- Growth & Synthesis
- Theory & Simulation
- Characterisation

for academia & industry

10 Partners are nano-foundries that are co-located with Synchrotrons



**82,500 hours of access free of charge to
14 synchrotrons and 8 free electron lasers
for academia & industry**

Budget limitation

⇒ asked for 5-50% of operation cost only



Ranking of Travel Support
beside scientific excellence:

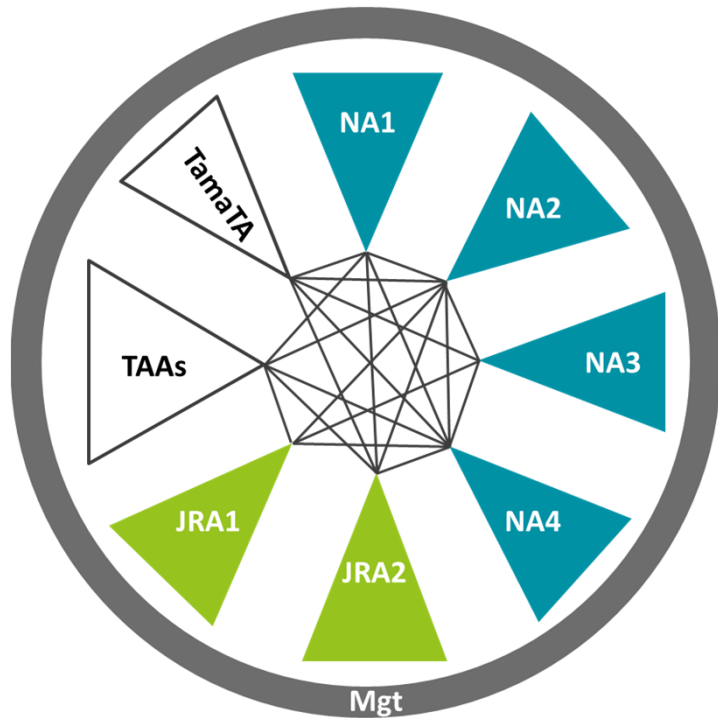
- Users without national light source
- Users from EU - 13 countries
- New users
- User groups lead female PIs
- PhD students



**Many facilities provide
travel support for
all non national user
using the EU operation
cost money**



CALIPSOplus: NA & JRA and Existing Initiatives



NA1: User Tools for Access & Data Manag.



NA2: Dissemination & Training



NA3: European Light Sources f. Industr. Innov.

NA4: Sustainability

LEAPS

**European User Office Meeting
23.-24. October 2017, Lund**

JRA1: Metrology On One-Nanometre-Precise Optics



JRA2: Demonstrator of a Remote Data Analysis as a Service



Advanced Infrastructures for Detectors at Accelerators



- > 38 Partners from the European HEP community
- > Access for about 900 users to 10 facilities for
 - Beam test
 - Irradiation test
 - Detector characterisationfor academia only
- > Partly no operation cost requested for

<http://aida2020.web.cern.ch/>



Best Practice: User selection / Access allocation

Pre Access



Trans National Access Process

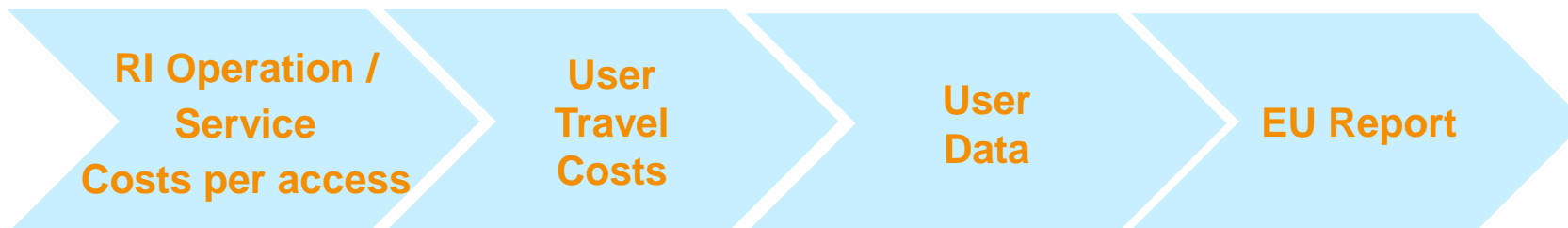
Pre Access



After Access - User level

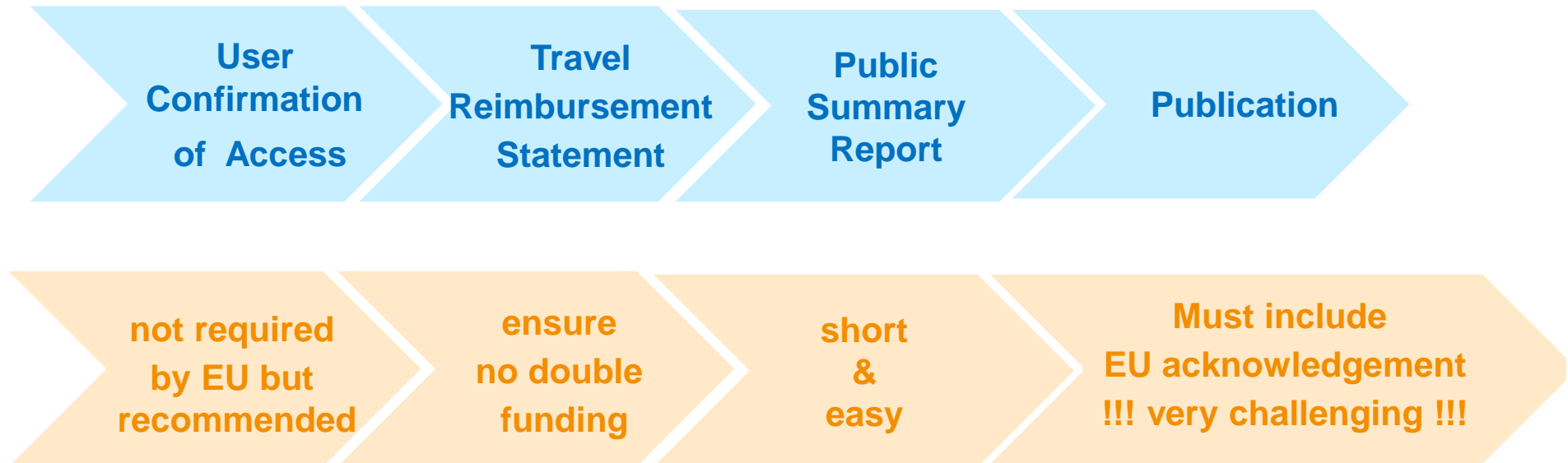


After Access - Facility level



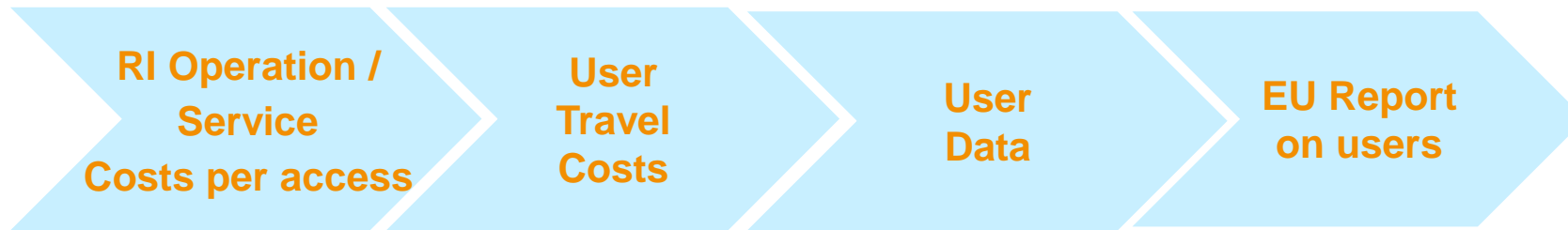
Best Practice: User level

After Access - User level



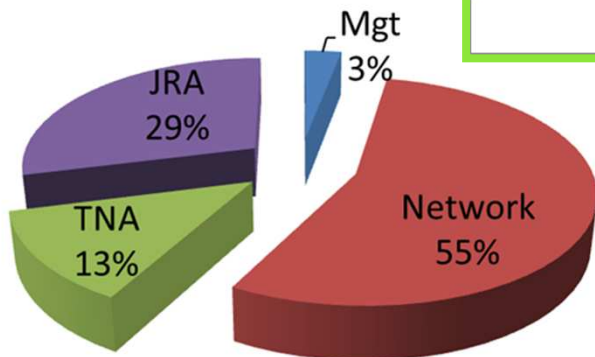
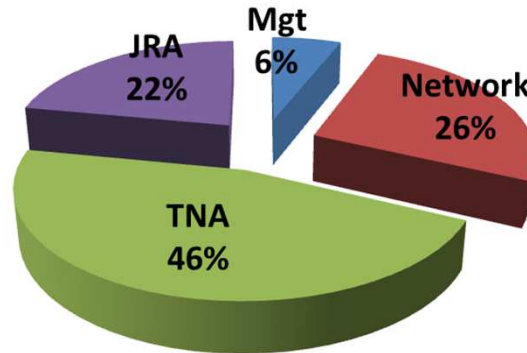
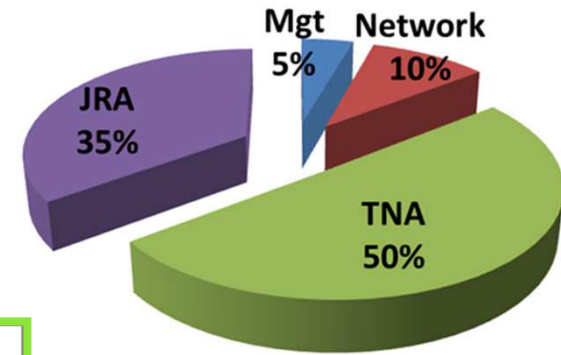
Best Practice: TNA reimbursement

After Access – Facility level



Integrated Activities

10 M€



**Joint Research Activities
request less than
Networking and TNA Activities**



RI EU Funding in the Future (FP9)

> In H2020 two further calls for I3s

> **FP9:**

no funding of I3s for very advanced communities

Why ? too less innovation coming from I3s

How ???

Research Infrastructures need to have own programme

with double budget (5 Bill. €)* in FP9

as more and more RIs exist & are under construction in Europe

* like ERC with H2020 budget of 13.6 Bill €




The European Union connects the future



Thank you
for your attention

Audits

- > Electricity only for facility and per calendar year
- > Beamtime= confirmation by Users

		Confirmation of Beamtime at HASYLAB		Please send together with the „Travel Expense Statement“ to: EU-Project Office at HASYLAB, Notkestr. 85, D-22603 Hamburg		
Project Leader:			HASYLAB-Project No.:			
Institution/Company:				Country:		
E-mail:						
Allocated Beamtime from:			to:	20	Allocated Beamline:	
Name of Experimentalist	Beamline	Beamtime				Experimentalist Signature
		Start Date	Time	End Date	Time	
The above data are confirmed as correct.						
Date:			Signature of the project leader:			
HASYLAB		The above data are confirmed as correct.		Station days		
Date:		HASYLAB Signature:				

02.06.2006



H2020 TNA: Unit Cost

- > Average of running costs based on last **two closed financial years**
 - auditable (no estimates) !
- > for operation of facility only
 - ! Electricity => measurements
 - Personnel => no R&D
- > Subcontracts: electricity, maintenance etc.
- > no investments or their depreciation, no travel of users
- > 100 % beamtime, incl. internal use

Participant number	Organisation short name	Short name of Infrastructure	
Installation number	Short name of Installation	Unit of access 1 hour	
Calculation of the Unit Cost (UC) for Trans-national Access^[1]			
Reference period		from: to:	
A. Direct eligible costs of providing access over the last two years ^[3] excluding personnel costs	Describe the direct eligible costs ^[2] for providing access to the installation over the reference period (usually the last two closed financial years ^[3] preceding the current one) . All contributions to capital investments of the installation are not eligible.		Eligible Costs (€)
	Costs for maintainance, consumables, electricity of maschine and beamlines		12.000,00
	Total A		12.000,00
<i>of which subcontracting (A')</i>		<i>10.000,00</i>	
B. Personnel direct eligible costs needed to provide access over the last two years ^[3]	Category of staff ^[4]	Person-Months	Personnel Costs (€)
	Costs for scientists and engineers of maschine and beamlines	720	10.000,00
	Total B		
C. Indirect eligible costs: 25% x ((A-A')+B)			3.000,00
D. Total access eligible costs over the last two years ^[3] = A+B+C			25.000,00
E. Total quantity of access provided to all normal users of the installation (i.e. both internal and external) over the last two years ^[3]			6.000
F. Unit cost =D/E			4,17
G. Unit cost charged to the project			0,417
H. Quantity of access offered under the project (over the whole duration of the project)			5.300
I. Access Cost on the basis of UC for the access offered under the project = G x H		9%	2.210,10

See for more details: <http://www.rich2020.eu/infoday>



H2020 TNA: Actual Costs

- > Personnel for support of users only
- > Consumables only used by users => better none

If access costs are declared on the basis of actual cost or on the basis of a combination^[b] of unit cost and actual costs, please use the following table to estimate the actual costs.

Access provision period (usually the project life-time)		from:	to:
A. Direct eligible costs of providing access to the selected user groups, excluding personnel costs	Describe the costs actually and solely incurred for providing access to the user groups selected for support under the action. All contributions to capital investments of the installation are not eligible.		Eligible Costs (€)
	Total A		
of which subcontracting (A')			
B. Personnel direct eligible costs needed to provide access to the selected user groups	Category of staff ^[6]		Person-Months
Total B			0,00
C. Indirect eligible costs: 25% x ([A-A'] + B)			0,00
D. Actual Access Cost for the access offered under the project = A + B + C			0,00

