



CALIPSO

**Coordinated Access to Lightsources to Promote
Standards and Optimization**

Cecilia Blasetti

Deputy Project Manager & *wayforlight* Coordinator

03/11/14

European User Offices Meeting

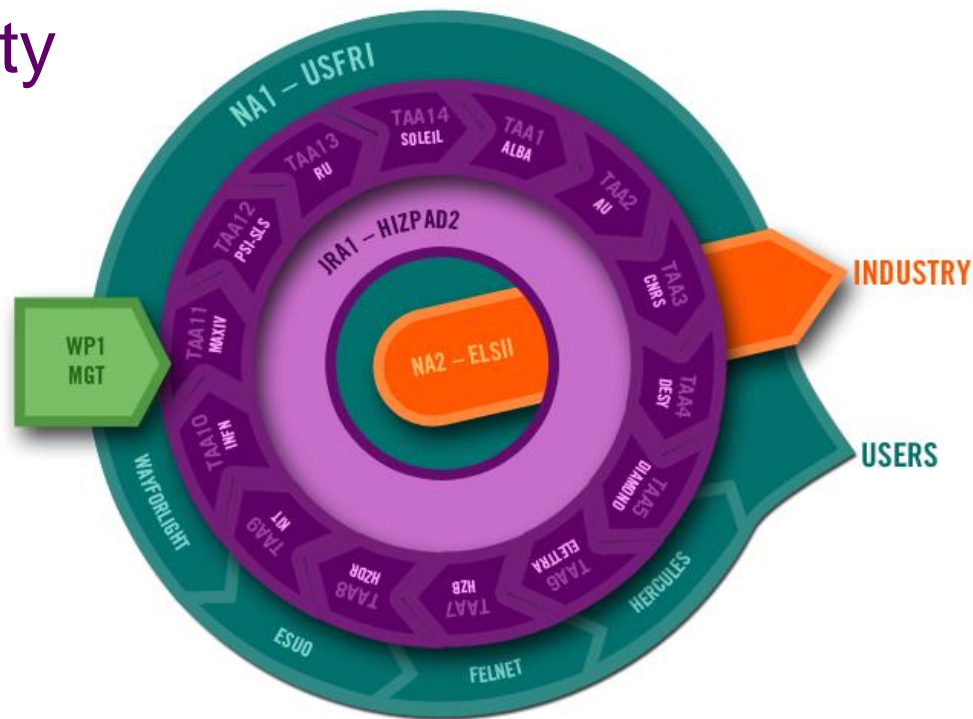


Why CALIPSO ?

- o Excellence is multidisciplinary
- o 25.000 users community
- o unexploited potential

need for:

- *coordination*
- *joint actions*



CALIPSO challenges

- Optimize Transnational Access
- Improve user friendliness
- Strengthen industry participation

*Through enhancing **integration** among lightsources*

Objectives for the period

- o Offer TA based on scientific merit
- o Involve and train users
- o Develop *wayforlight* portal
- o Setup Industrial Advisory Board and network
- o Develop novel X-ray detectors

Project factsheet

www.calipso.wayforlight.eu

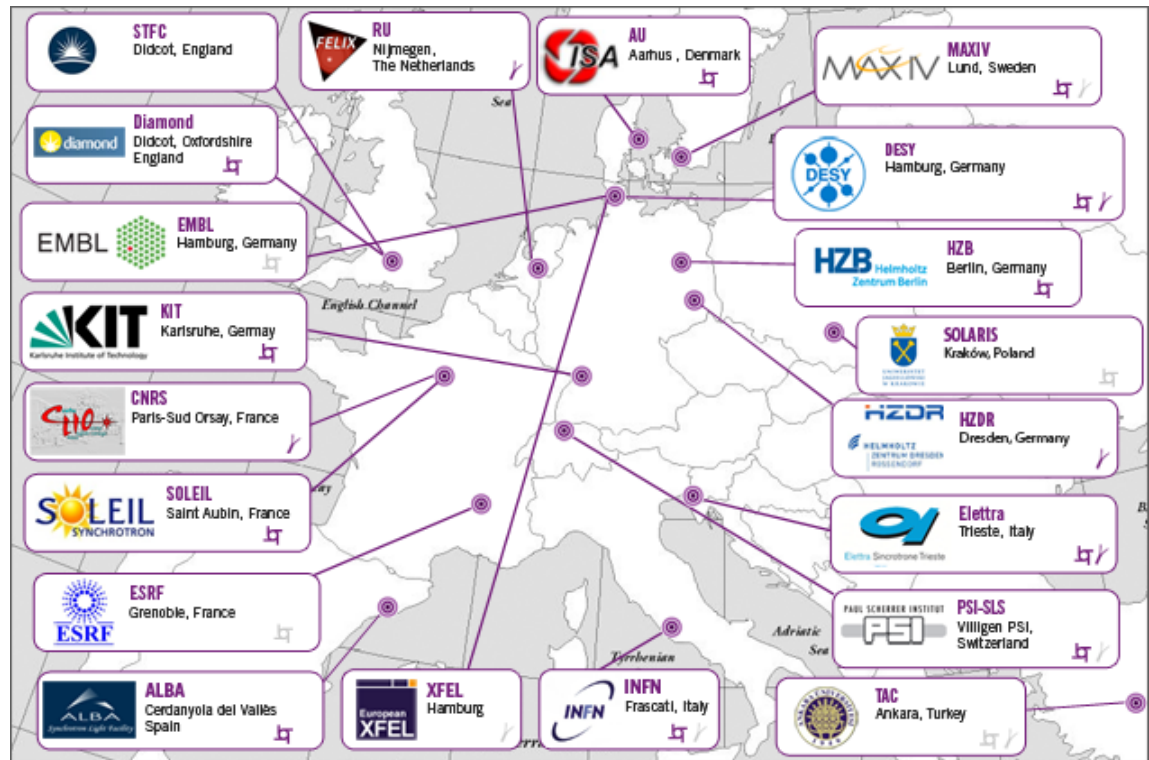
CALIPSO

Coordinator	Elettra
Partners	20
Duration	3 years
Start date	June 1 st , 2012
TOT EC contribution	7.5M€

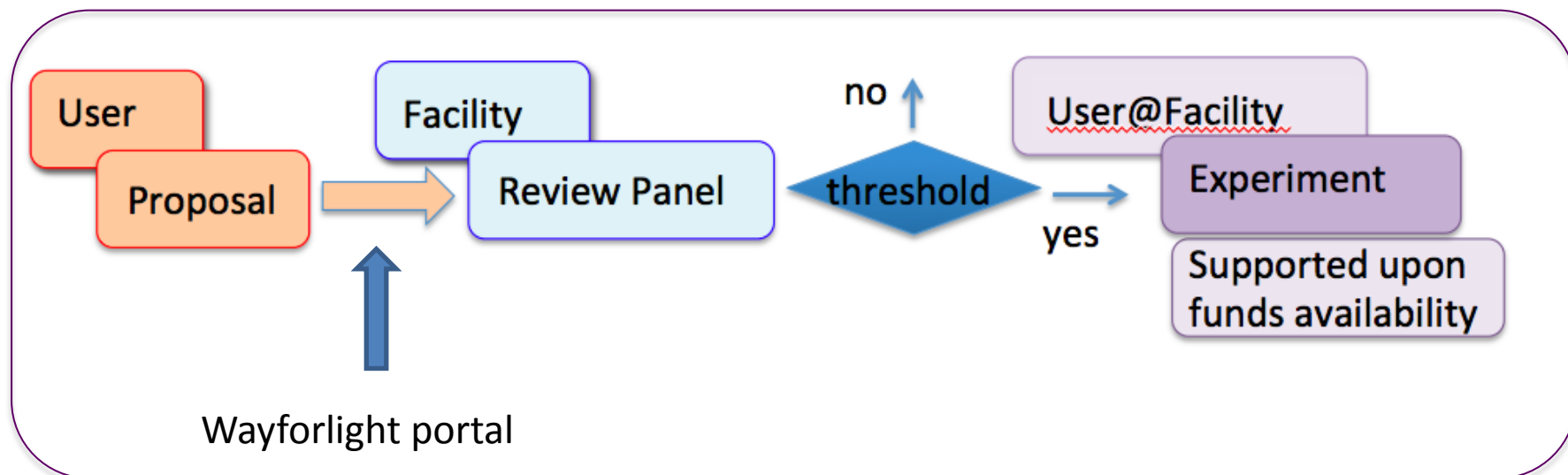
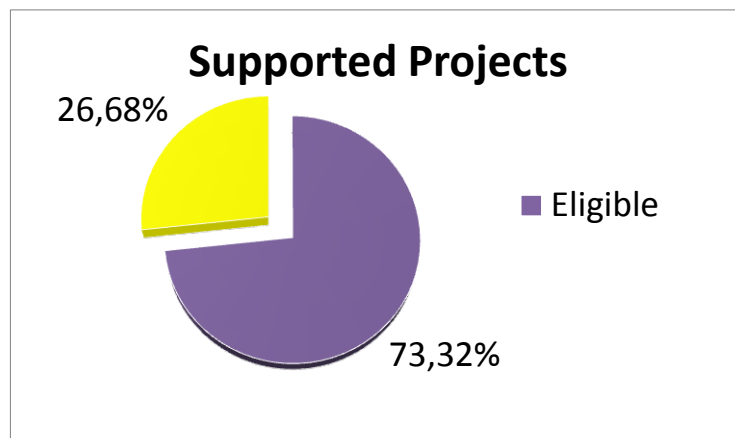
WP	Type	Name	EC contr	Starting date
WP1	MGT	Management	450k€	m1
WP2	NA	USFRI	530k€	m4
WP3	NA	ELSII	100k€	m6
WPs4-17	TAAAs	TAAAs	5.42M€	m1-(m11)
WP18	JRA	HIZPAD2	1M€	m6

A pan-European initiative

- 18 running facilities (13 SR, 5 FELs)
- 4 in commissioning (SOLARIS(PL), SwissFEL(CH), TAC(TR), XFEL(D))
- 11 EU member and associated countries
- 25.000 users base
- 1 observer: SESAME



TNA overview PR1 (m1-m18)

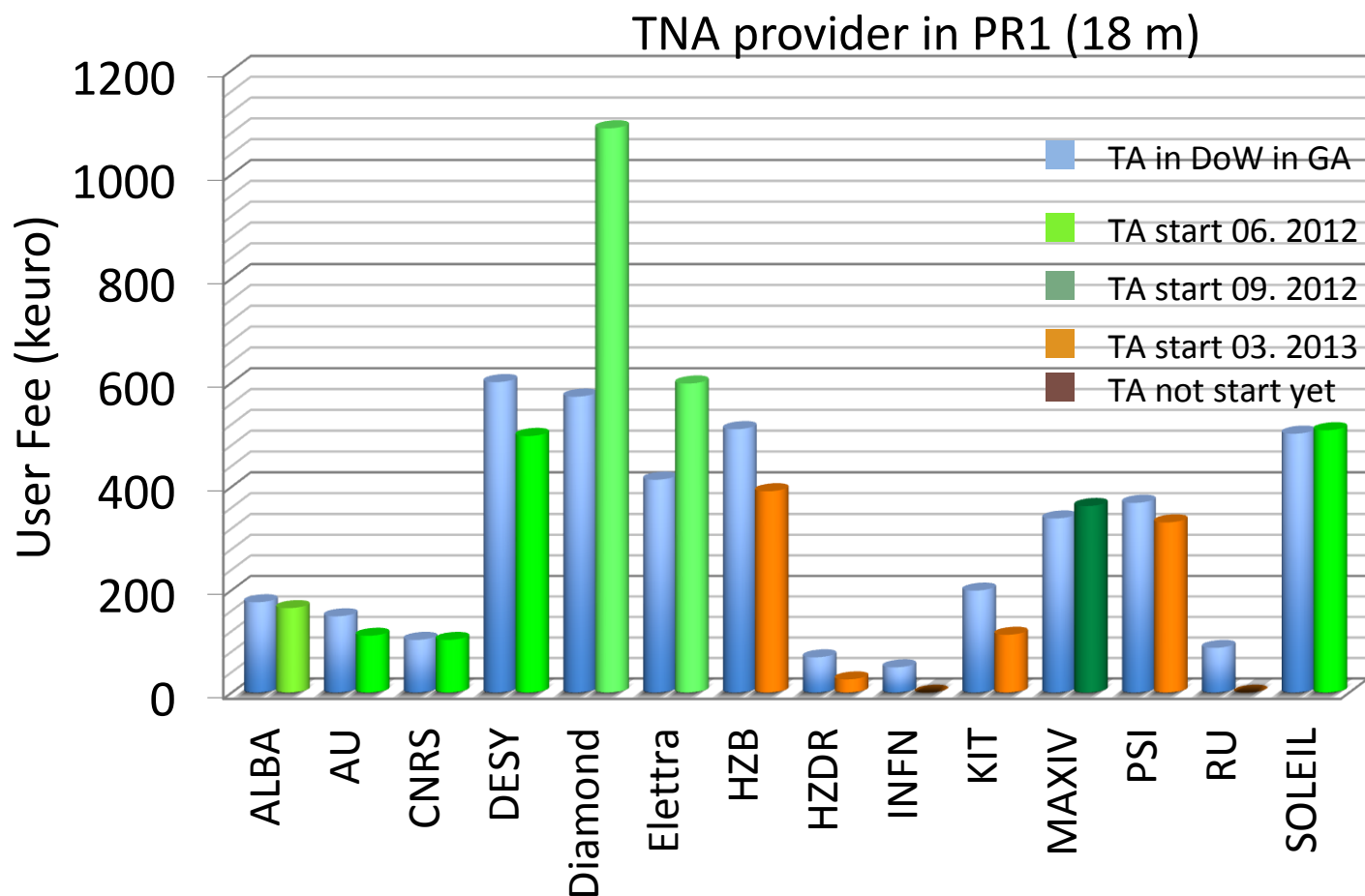


TAAAs – PR1 statistics - summary

PR1 Time interval	06/2012-11/2013
Eligible proposals	2155
Selected proposals	575
Supported users	1.331
Hours provided	63874
Female	28.6%
Under 35 years old	49.7%
New EC member states (BG+CZ+EE+HR+HU+LT+LV+PL+RO+SI+SK)	10.8%
Publications	168
T&S reimbursed	1.2M€

- Caveat: different stating dates
- **Junion** researchers supported
- From countries without lightsource: **32%**

TAAAs – PR1 statistics



Mid-Term Review (March 14-m22)

- o > 1600 user visits supported, 49% junior (<35)
- o *wayforlight* developments designed, incl. Umbrella
- o Users feedback through ESUO
- o Training through HERCULES, FELNET
- o Business offices network and IAB established jointly with NMI3, 3 local industry-tardeted workshops
- o HIZPAD2 first prototypes and sensor evaluation

www.wayforlight.eu tools

NEW homepage

find your beamline

write your standardized proposal

Top Stories

humanities



Beyond the Great Wall: Gold of the Silk Roads and the First Empire of the Steppes

Defining the trade routes of ancient civilizations is of particular importance when no written sources are available. The fragility, rarity, and preciousness of ancient gold work require the use of nondestructive techniques like X-ray fluorescence at BAMline at BESSY II.

material sciences



Pump-probe powder diffraction on

physics



Better pictures from the nanoworld

In 2010, researchers from European XFEL and Deutsches Elektronen-Synchrotron predicted a dramatic improvement in the already remarkable features of X-ray free-electron lasers by placing a special crystal into the path of the radiation while rerouting the electron beam around the crystal. In 2012, their colleagues from the Linac Coherent Light Source (LCLS) in the US and the Technological Institute for Superhard and Novel Carbon Materials in Russia implemented the proposed setting and confirmed superior beam quality.

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ESUO guidelines



Dissemination actions

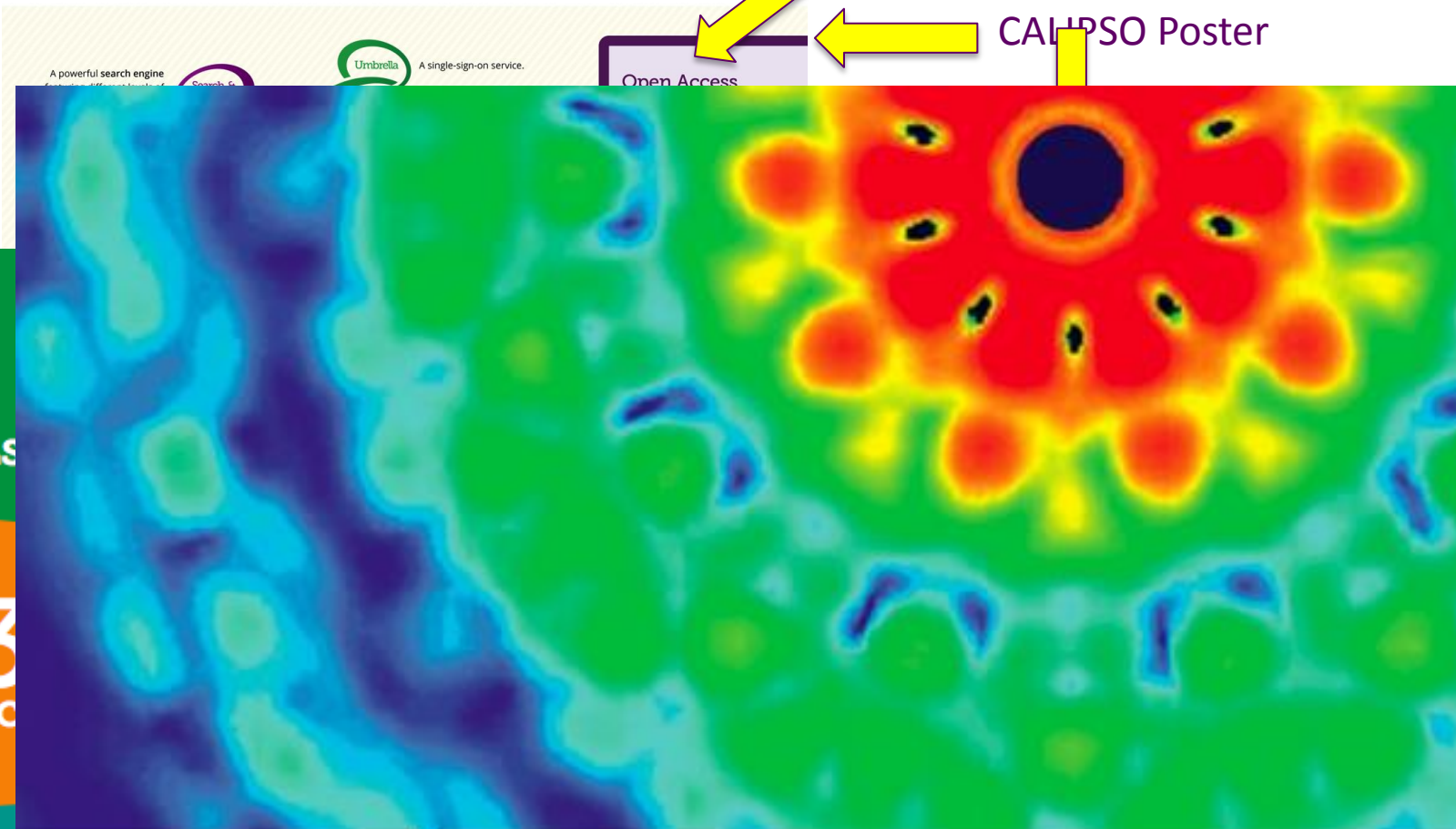


Coordinated Access to Lightsources
to Promote Standards and Optimization

ESUO brochure

wayforlight leaflet

CALIPSO Poster



ESUO
EUROPEAN
SYNCHROTRON
USER
ORGANISATION

**TOWARDS EVEN BRIGHTER
EUROPEAN PHOTON SCIENCE**

A manifesto for a truly European photon science community

8
FELs

13
sync

+30
beam

31/05/2015: CALIPSO will end

- o USERS concerned for TNA and ESUO support stop
- o *Wayforlight* portal:
User Offices & users will discuss about its future
- o HERCULES school will lack
CALIPSO + BioStruct-X + NMI3 funds: danger !
- o Industry NA looking for more funds to go on
- o JRA cooperation – Detectors initiative ?

CALIPSO Council Meeting

Nov 5-6, 2014 ALBA

- o Work progresses and achievements of m19-29
- o TNA overview – overperformance estimates
- o Future perspectives: join actions, wayforlight MoU, ESUO lobbying, etc
- o Possible synergies with NMI3 community



Thank you for your attention!

Questions welcome