

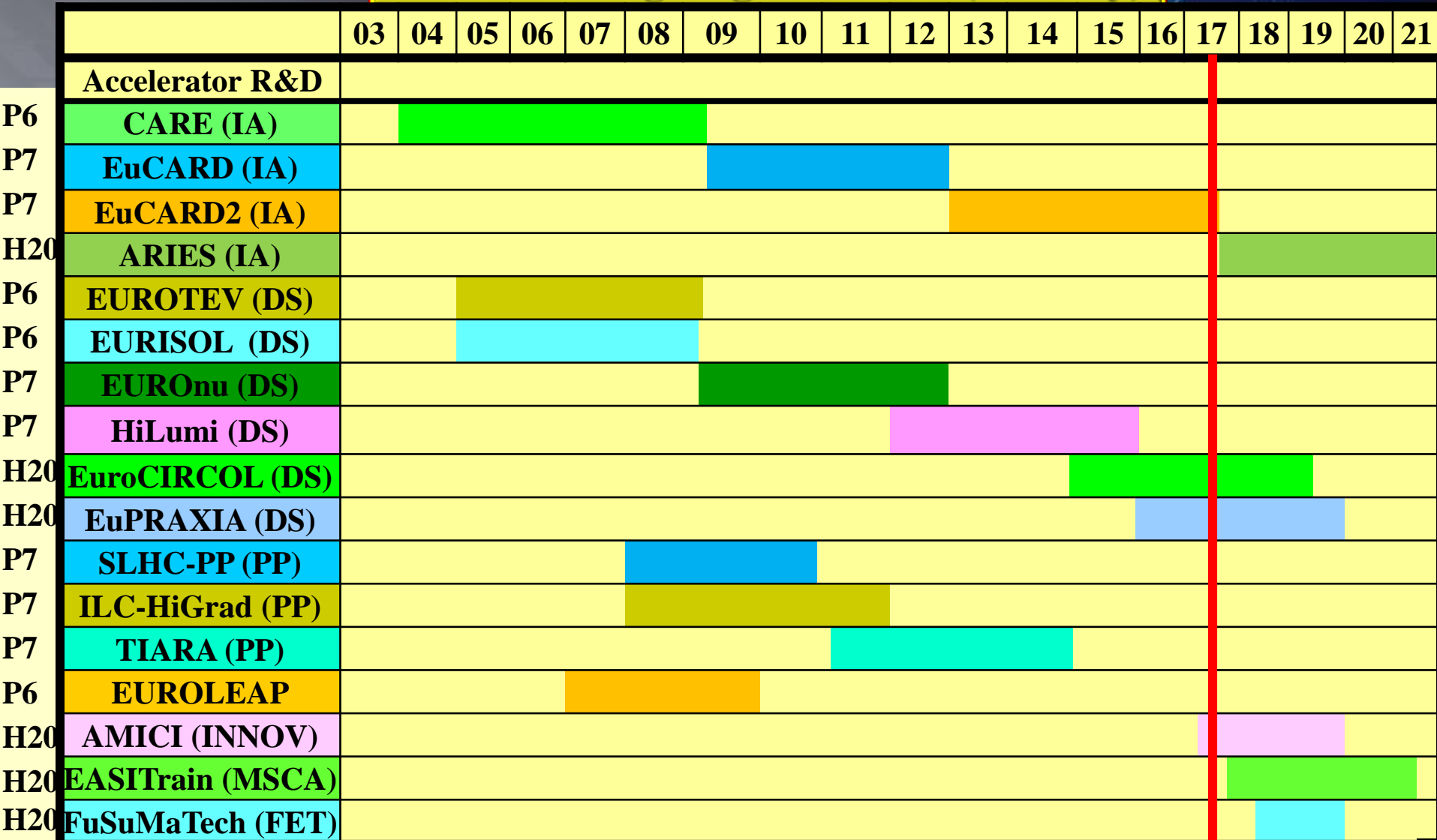
TIARA Collaboration Council

R. Aleksan
TCC meeting
June 19-20, 2017



- 1. General information**
- 2. H2020 IA call**
- 3. TIARA resources**
- 4. Preparation WP2018-2020**

Past and on-going activities (History)

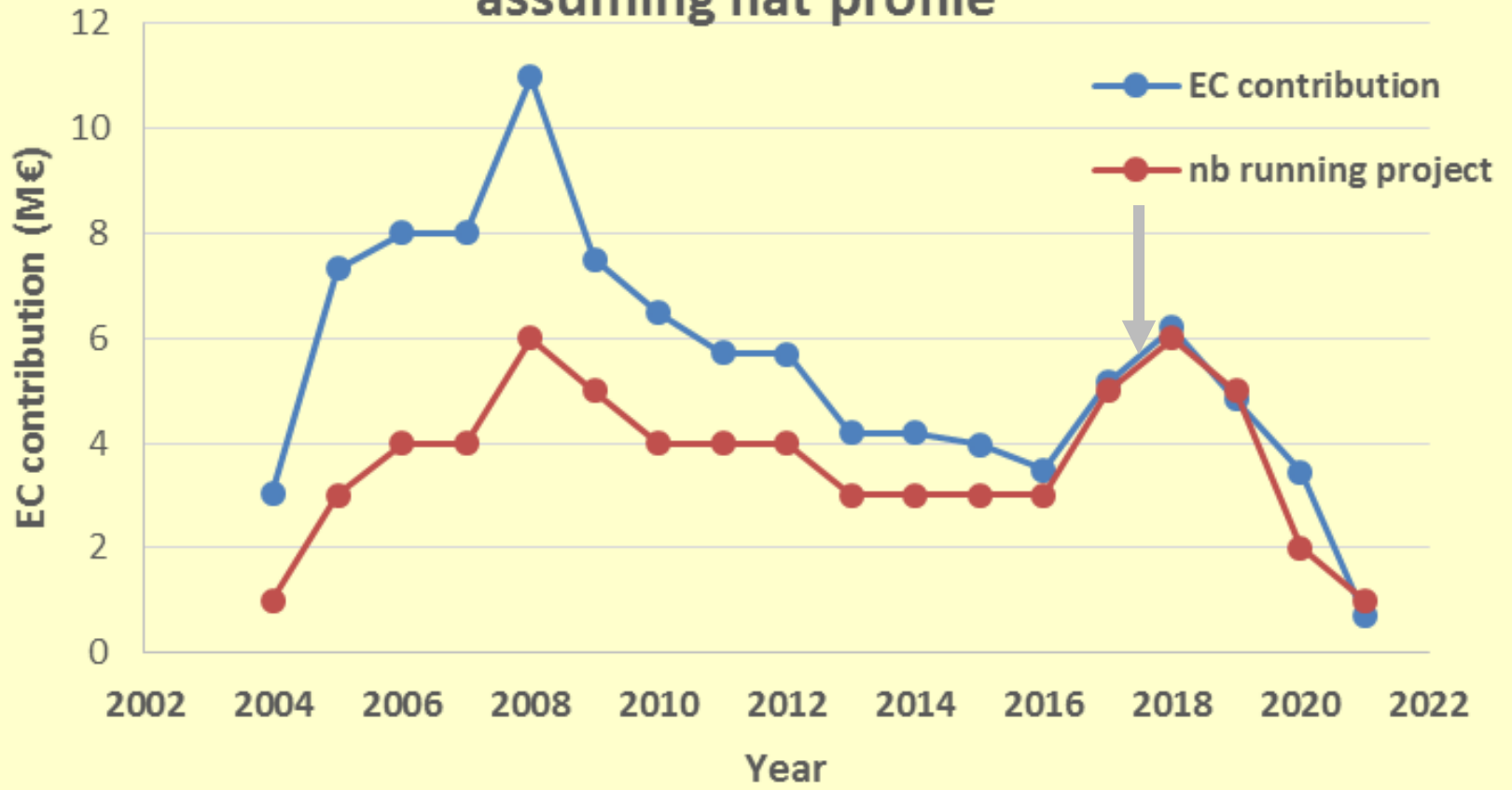


So far, ESGARD/TIARA has overseen the submission of 15 successful projects in the INFRA calls : Total cost : ~297 M€ with EC contr. ~99 M€

See presentation: M. Vretenar, M. Benedikt, R. Dorda, O. Napoly, A. Dael

Past and on-going activities (History)

Accelerator S&T Yearly EC funding assuming flat profile



On going calls and projects

INFRA: WP 2016-17-INFRAINNOV

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2016	2017	
New type of calls			
Opening: 02 Dec 2015			
INFRAINNOV-02-2016 (CSA)	10.00		30 Mar 2016
Opening: 01 Dec 2016			
INFRAINNOV-01-2017 (RIA)		20.00	<u>29 Mar 2017</u>
Overall indicative budget	10.00	20.00	

ATTRACT proposal submitted

Surprisingly many proposals were submitted, i.e. ATTRACT not warranted to succeed. Results in August

Not dedicated to Accelerator but could be used for diagnostics and instrumentation ?

INFRA: WP 2016-17-INFRADEV (cont'd)

	2016	2017	
Opening: 02 Dec 2015			
INFRADEV-03-2016/2017 (RIA) IRI	30.00	40.00	30 Mar 2016
Opening: 22 Mar 2016			
INFRADEV-02-2016 (CSA) PP	40.00		22 Jun 2016
INFRADEV-02-2016 (RIA)			
INFRADEV-04-2016 (RIA) data	10.00		
Opening: 01 Dec 2016			
INFRADEV-01-2017 (RIA) DS		20.00	<u>29 Mar 2017</u>
Overall indicative budget	80.00	60.00	

2 projects submitted (ESSnuSB and CompactLight)

Overall, 41 projects were submitted, i.e. expected success rate ~20%
Results in August

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2016	2017	
Opening: 08 Dec 2015			
FETOPEN-02-2016 (CSA)	3.00		11 May 2016
FETOPEN-01-2016-2017 (RIA)	84.00	110.50	11 May 2016 17 Jan 2017 27 Sep 2017
Opening: 01 Mar 2016			
FETOPEN-04-2016-2017 (CSA)	1.20	1.80	29 Sep 2016 27 Sep 2017
Opening: 20 Sep 2016			
FETOPEN-03-2017 (CSA)		1.50	17 Jan 2017

FuSuMaTech proposal (coordination activity with Industry on Supraconducting Magnets) submitted to FETOPEN-03 (~0.5M€, 1.5 years) APPROVED

See presentation by A. Daël

Topics (Type of Action)	Budgets (EUR million)	Deadlines
	2017	
Opening: 15 Sep 2016		
MSCA-ITN-2017 (MSCA-ITN-ETN)	370.00	10 Jan 2017
MSCA-ITN-2017 (MSCA-ITN-EID)	28.00	
MSCA-ITN-2017 (MSCA-ITN-EJD)	32.00	
Overall indicative budget	430.00	

EASITrain proposal (coordination activity with Industry on Supraconducting Magnets) was re submitted (~4M€, 4 years) :

APPROVED

Presentation at next TIARA meeting

TIARA financial Status

Participant Number	Participant Short name	Received 2016	Recived 2017	sum	comment
1	CEA	5000	5 000	10 000	
2	CERN	5 000	5 000	10 000	
3	CNRS	5 000	5 000	10 000	
4	CIEMAT	5 000	0	5 000	Administrative issues
5	DESY	5 000	5 000	10 000	
6	GSI	5 000	5 000	10 000	
7	INFN	5 000	5 000	10 000	
8	PSI	5 000	5 000	10 000	
9	STFC	5 000	5 000	10 000	
10	UU	5 000	5 000	5 000	
11	IPJ-PAN	5 000	5 000	10 000	
		55 000	50 000	100 000	
Additional	TIARA-PP	4 725.28			
	Available Total	59 725.28	50 000	109 725.28	

No funding used so far

Proposal :

- **Workshops not included in ARIES and/or co-innovation with industry**
- **Education & Training (depending on ARIES)**
- **Dissemination and outreach activities**
- **Other suggestions**

TIARA in-kind contribution Status

cost personnel	FTE	person-month	unit cost (k€)	cost (k€)	Contributor	Name
secretary	0,1	1,2	3,5	4,2	CERN	E. Delucinge
scientific assistant	0,3	3,6	5	18	CEA	A. Chancé
TIARA webmaster	0,1	1,2	5	6	INFN	D. Sertore+
Database management	0,1	1,2	5	6	STFC	P. McIntosh+
DC&O officer	0,2	2,4	5	12	CERN+INFN	TBD+Sertore
financial officer	0,1	1,2	5	6	CEA	N. Judas
edu.&train. (elearning+portal	1,5	18	5	90		
		2	5	10	CNRS	
		2	5	10	CIEMAT	
		2	5	10	GSJ	
		2	5	10	INFN	
		2	5	10	PSI	
		4	5	20	STFC	P. Burrows
		2	5	10	UU	
		2	5	10	IFJ-PAN	

Modifications:

- D. Sertore has replaced G. Volpini (see presentation later)
- J. Double will replace E. Delucinge as our secretary

Discussion with the EC

EC is concentrating on H2020-WP2018-2020 (discussion on going with Programme committee) : Total Budget 1.15B€

6 large themes: (the following are preliminary trends nothing confirmed)
EC concentrates on WP2018

- 1) **Development and Long Term Sustainability (former INFRADEV)**
 - DS call in 2019
 - Preparatory Phase call 2018 (for new ESFRI RM 2018)
possible call in 2020 for new ESFRI projects in RM2020?
 - ESFRI-OWCRI (other world-class RI) call 2018
- 2) **Interoperability & EOSC (cutting-edge services for Open Science Cloud)**
New : Joint funding with CNECT
 - Consolidation of generic services
 - Prototyping of new services
 - Clusters of services in EOSC
- 3) **Integrating/opening European Infrastructures (former INFRAIA)**
 - Advanced Community call in 2018 (targeted basis to be discussed with PC)
 - Starting Community call in 2019 (2-stage call) in discussion
 - Pilot Action Pilote for most mature Community (?!?) in 2020 (one stage)

Discussion with the EC

1) Development and Long Term Sustainability

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2019	2020	
Opening: 10 Oct 2018			
PP for ESFRI RM18 INFRADEV-02-2019-2020 (CSA)	20.00		29 Jan 2019
Opening: 14 Nov 2018			
Impl. for ESFRI/OWCRI INFRADEV-03-2019 (RIA)	60.00		20 Mar 2019
Opening: 18 Jul 2019			
DS INFRADEV-01-2019-2020 (RIA)	20.00	10.00	12 Nov 2019
Overall indicative budget	100.00	10.00	

Indicative budget for 2020: EUR 28 million

INFRADEV-02-2019-2020: Preparatory Phase of new ESFRI projects

(b) 2020 deadline: Preparatory Phase of the new projects in the 2020 ESFRI

Discussion with the EC

3) Integrating/opening European Infrastructures

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2018	2019	
Opening: 05 Dec 2017			
IA advanced commu. INFRAIA-01-2018-2019 (RIA)	115.00		22 Mar 2018
Opening: 14 Nov 2018			
IA advanced commu. INFRAIA-01-2018-2019 (RIA)		110.00	20 Mar 2019
Overall indicative budget	115.00	110.00	

Indicative budget: EUR 150 million

INFRAIA-02-2020: Integrating Activities for Starting Communities

INFRAIA-03-2020: Pilot for a new model of Integrating Activities

Discussion with the EC (cont'd)

4) European Data Infrastructure (EDI)

New : Joint funding with CNECT

- Mix of funding with LEIT, FET and e-infra
- Support to PRACE and GEANT
- EDI: exascale infrastructure for HPC machines, interconnectivity and data nodes for HPC (linked with CEF Connecting Europe Facility)

5) Innovation (ex-INFRAINNOV)

- Stimulate innovating potential of SMEs as users of advanced HPC
- Network of RI - ILO
- **Pilot super-JRA on key-technos ?**

6) INFRASUPP (Policy and international actions)

- Support to NCP, ESFRI Club, GSO secretariat, collaborations with Middle-East (a new beamline at SESAME ?), and with Russian facilities (access for european users)

I am working with the French representative at the PC to suggest appropriate wording for the calls of interest

Discussion with the EC

5) Innovation

Topics (Type of Action)	Budgets (EUR million)	Deadlines
	2019	
Opening: 10 Oct 2018		
HPC use for SMEs INFRAINNOV-01-2019 (RIA)	8.00	29 Jan 2019
Opening: 14 Nov 2018		
Network of RI-ILO INFRAINNOV-02-2019 (CSA)	1.50	20 Mar 2019
Overall indicative budget	9.50	

Indicative budget: EUR 60 million

INFRAINNOV-03-2020: Co-Innovation platform for research infrastructure technologies

INFRAINNOV-04-2020: Innovation pilots

6) INFRASUPP (Policy and international actions)

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2018	2019	
Opening: 05 Dec 2017			
INFRASUPP-01-2018-2019 (RIA)	6.00		22 Mar 2018
INFRASUPP-01-2018-2019 (CSA)	6.00		
Opening: 14 Nov 2018			
INFRASUPP-01-2018-2019 (CSA)		27.00	20 Mar 2019
INFRASUPP-01-2018-2019 (RIA)			
Overall indicative budget	12.00	27.00	

SESAME....**ERIC network....**

Co-Innovation Workshop (principle approved at previous meeting)

Sole Objective of the workshop :

« How to enhance co-innovation with industry »

We discussed this with the EC and they are very interested, i.e. want to participate

We discussed the idea at the ARIES kickoff meeting and received a strong support from industry present at the meeting

First meeting with Workshop Organizing Committee 14/6/2017

- R.A., J.L. Lancelot(SIGMAPHI) , M. Losasso, M. Plesko (COSYLAB), T. Torims, M. Vretenar
- 2 half days
- Tentative dates : period 5-8/12, 29/11-1/12 or 13-15/12, 2017
- Venue: Brussels

Objectives in of the Workshop:

- **Reflect on most effective way to develop co-innovation with industry in Europe**
 - ⇒ **Propose appropriate mechanism and funding scheme**
 - ⇒ **Propose and establish new EC instruments to boost co-innovation**

Strong interest from Industry members of the WoC

Meetings

TCC-IRC: TIARA Collaboration Council – Implementation Review Committee

- **Reminder of next meeting : October 19, 2017 at CERN**
 - **Talk on status of FAIR**
 - **Talk on EASITrain**
 - **Extended talk on EuPRAXIA**
- **Proposal for following meeting : CERN, doodle for the period February/March 2018 ?**
- **Should we have the following meeting (~june/july 2017) outside CERN ?**
 - **At last meeting Sweden was candidating! GSI was also interested!**

Reminder of other project general meetings

- **April 9-13, 2018 : 5th FCC/EuroCirCol annual meeting in Amsterdam**
- **May, 2018 : ARIES meeting**

Additional Slides



TIARA

ACCELERATING KNOWLEDGE AND INNOVATION

TIARA Collaboration Council meetings

Institute	Representative	Substitute	« IRC » (ESGARD functions)
CEA	P. Vedrine	A. Chancé	A. Chancé
CERN	F. Bordry	M. Vretenar	M. Vretenar
CNRS	J.-L. Biarrotte		J.-L. Biarrotte
CIEMAT	J. Perez	L. Garcia-Tabares	L. Garcia-Tabares
DESY	R. Brinkmann	R. Assmann	R. Assmann
GSI	P. Spiller	J. Stadlmann	P. Spiller
INFN	E. Nappi		S. Guiducci
PSI	L. Rivkin	T. Garvey	T. Garvey
STFC	G. Blair	C. Jamieson	P. MacIntosh
UU	T. Ekelof		T. Ekelof
IFJ-PAN	M. Jezabek	P. Malecki	P. Malecki