

TIARA Collaboration Council

R. Aleksan
TCC meeting
March 2, 2017



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

Past and on-going activities (History)

	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
Accelerator R&D																			
P6 CARE (IA)																			
P7 EuCARD (IA)																			
P7 EuCARD2 (IA)																			
H20 ARIES (IA)																			
P6 EUROTEV (DS)																			
P6 EURISOL (DS)																			
P7 EUROnu (DS)																			
P7 HiLumi (DS)																			
H20 EuroCIRCOL (DS)																			
H20 EuPRAXIA (DS)																			
P7 SLHC-PP (PP)																			
P7 ILC-HiGrad (PP)																			
P7 TIARA (PP)																			
P6 EUROLEAP																			
H20 AMICI (INNOV)																			

So far, ESGARD/TIARA has overseen the submission of 15 successful projects in the INFRA calls : Total cost : ~293 M€ with EC contr. ~95 M€

See presentation on status by M. Vretenar, M. Benedikt and R. Assmann

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	

**See presentation on status of ATTRACT by P. Garcia Tello
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	

On-going discussions in TIARA on possible topics

- Decision to support ESSnuSB resubmission (subject to review of proposal)
- CompactLight: X band compact FEL (decision to support the project ?)

See talks by M. Dracos and G. D'Auria and discussion later in the agenda

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 has been submitted to FETOPEN-03 (coordination activity with industry on Supraconducting Magnets). 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	GSI	
		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 will replace G. Volpini (see presentation later): Welcome to him**
- **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)

1) Long Term Sustainability (former INFRADEV)

- DS call in 2019
- Preparatory Phase call in 2018 (for new ESFRI RM 2018)
possible call in 2020 for new ESFRI projects in RM2020?
- ESFRI-OWCRI (other world-class RI) call in 2019 : perimeter and conditions to be defined

2) Interoperability & EOSC (cutting-edge services for open science)

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)
- Pilot Action Pilote for most mature Community (?!?) in 2020 (one stage)

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)

- Co-innovation for detectors and imaging (suite INFRAINNOV-1)
- Pilot super-JRA on key-technos
- Stimulate innovating potential of SMEs for e-infra and EOS

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

Reminder

Dedicated WP in ARIES (“EuCARD3”) : 1250 k€ EC request

Proof of Concept for innovation fund - Relations with Industry - HTS magnet technologies – Resistant Material – Accelerator Timing system
Includes reserved budget for 1 or 2 more topics later

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 propose to proceed in 2 steps:

- **Set up a preparatory meeting at ARIES kickoff**
- **Set up an Industry Advisory Board (IAB)**
- **Decide when (fall) and where to do it with IAB**

How to help enhancing co-innovation with industry

Conclusions of the workshop should be :

- What type of organization should we set up to promote and facilitate Academic-Industry Actions
- What type of FP instrument should we set up with the EC to fund co-innovation projects

Meetings

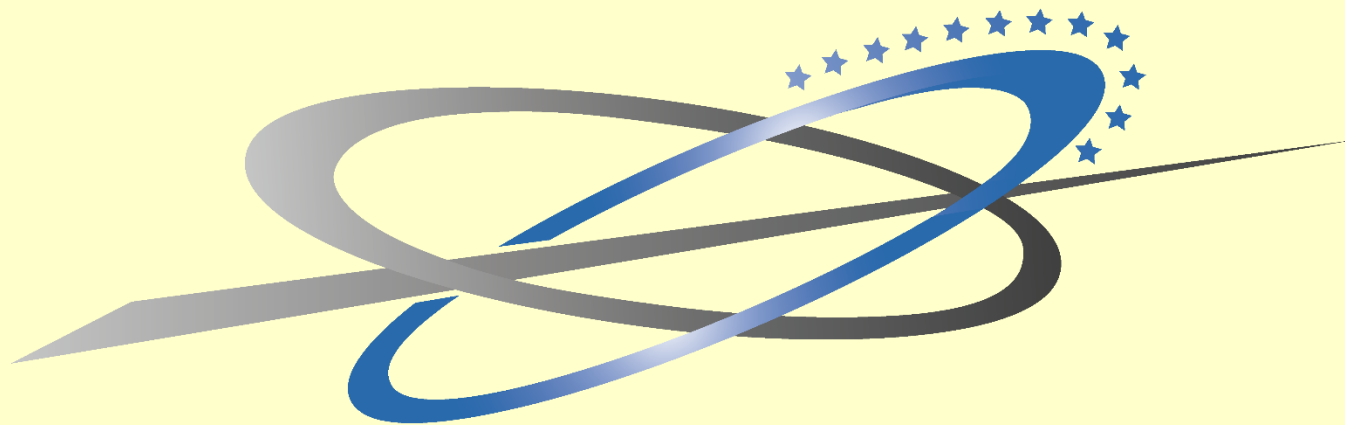
TCC-IRC: TIARA Collaboration Council – Implementation Review Committee

- **Reminder of next meeting : June 19-20, 2017 in Warsaw**
 - **Talk on status AMICI**
 - **Talk on FuSuMaTech**
 - **Detailed talk on SuCo Network ?**
 - **Talk on Accelerator R&D in Poland**
- **Proposal for following meeting : CERN, doodle for the period October-November 2017 ?**

Reminder of other project general meetings

- **March 28-30, 2017: last EuCARD2 annual meeting in Glasgow**
- **April 25-28, 2017: ANAR2017 (ICFA) workshop in CERN**
- **May 4-5, 2017: ARIES kickoff meeting in CERN**
- **May 29 - June 2, 2017 : 4th FCC/EuroCirCol annual meeting in Berlin**

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