



# INTERACT

Valencia, Spain, 19-22 September 2022

SUBJECT | Minutes of the 3<sup>rd</sup> Management Committee Meeting of COST Action CA20120 “The Intelligence-Enabling Radio Communications for Seamless Inclusive Interactions (INTERACT)”

## Summary

1. Welcome to the participants .....	2
2. Adoption of agenda.....	2
3. Status of the Action.....	2
4. Results of the MC e-Votes submitted between 18/07/2022 - 12/08/2022.....	3
5. Review of action deliverables .....	4
6. Training School Activities summary .....	4
7. Final Report from the Grant Holder .....	5
8. Training Schools .....	6
9. Grants (STSM, ITC Grants).....	6
10. Dissemination.....	7
11. Women in Radio Science.....	8
12. Next meetings .....	8
13. Plenary talks .....	8
14. Feedback from Working Group Chairs.....	9
15. Feedbacks from Liaisons .....	9



# INTERACT

TUESDAY, 20 SEPTEMBER 2022, 9:00 AM

## 1. Welcome to the participants

Prof. Laurent Clavier, Chair of the Action, opened the meeting on Sep 20<sup>th</sup>, 2022, at 9.00 am. As the Local Organizer, Prof. Narcis Cardona welcomed the participants and provided information about the local arrangements.

Prof. Laurent Clavier then acknowledged the fulfilment of the quorum, i.e. at least two-thirds of the COST countries participating in the Action were represented at the 3<sup>rd</sup> MCM.

## 2. Adoption of agenda

The Chair presented the agenda of the 3<sup>rd</sup> MCM, which had been previously circulated online. The Agenda was adopted, except for the presentation of the Administrative Officer Aranzazu Sanchez that was not able to attend the meeting.

The Chair took the opportunity to remind all participants to sign the official COST Attendance List for every day of attendance. No reimbursement of travel expenses (for those entitled to) will be processed if the COST attendance list is not duly signed.

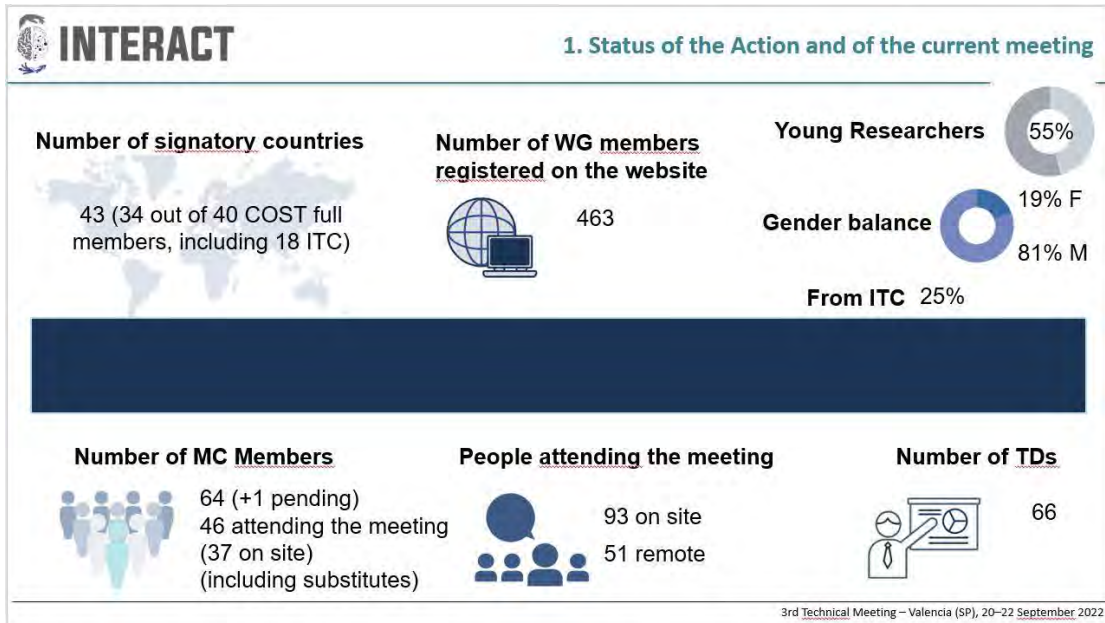
## 3. Status of the Action

The Chair moved on to update the audience on the overall status of the Action.

Here below the main figures presented:



# INTERACT



## 4. Results of the MC e-Votes submitted between 18/07/2022 - 12/08/2022

On 18th July 2022, four MC decisions were submitted to the MC Members on eCOST. The four vote proposals were closed on 12th August 2022 and approved unanimously.

- **New Sub-Working Groups proposal**

RIS (by WG1) and ISAC (by WG2) Sub-Working Groups shall be instituted.

The Co-chairs' elections were planned to be done during the meeting.

- **Minutes of the 2nd MC Meeting and 1st Technical Meeting, Bologna**

The minutes of the 2nd MC Meeting and 1st Technical Meeting in Bologna were approved

- **Local Organiser Support for 2nd Technical Meeting, Lyon**

For the 2nd Technical Meeting in Lyon (13th -15th June 2022), the Local Organiser requested a LOS (Local Organiser Support) of 5.000 EUR

- **Grant Holder Scientific Representative's temporary replacement (1st August 2022 to 31st December 2022)**

The GH Scientific Representative Prof. Chiara Buratti will be temporarily replaced by Prof Roberto Verdone.



# INTERACT

## 5. Review of action deliverables

The Chair updated the participants on the deadlines for the technical deliverables, and the activity needed to complete them.

INTERACT		Deliverables (expected by COST)
Month 12	Deliverable 1 (HA1) - H1: Database structure and content requirements. Deliverable 2 (All) - D1: State-of-the-art and key challenges	Mid October 2022
Month 16	Deliverable 3 (WG1) - <b>White paper</b> on radio channel modelling and prediction to support environment-aware communications	Mid February 2023
Month 32	Deliverable 4 (WG2) - <b>White paper</b> on novel physical layer technologies and localization algorithms for future wireless networks	Mid June 2024
Month 36	Deliverable 5 (All WGs and verticals) - Disciplinary solutions to the research challenges ( <i>preliminary draft of the final report</i> )	Mid October 2024
Month 48	Deliverable 6 (HA1) - H2: Database with data sets available. Deliverable 7 (WG3) - <b>White paper</b> on novel network architectures and protocols for future wireless networks Deliverable 8 (All) - FR: Final report (open-access book) including all research outcomes of the different disciplinary and interdisciplinary work.	Mid October 2025

3rd Technical Meeting – Valencia (SP), 20–22 September 2022

INTERACT		Deliverables (expected by COST)
Month 12	Deliverable 1 (HA1) - H1: Database structure and content requirements.	Mid October 2022
<i>This is on-going work with HA1... Good progress</i>		
	Deliverable 2 (All) - D1: State-of-the-art and key challenges	
<i>TD discussion during this meeting</i>		
Month 16	Deliverable 3 (WG1) - <b>White paper</b> on radio channel modelling and prediction to support environment-aware communications	Mid February 2023
<i>A little bit more time but not that much. Is it feasible? Who can lead?</i>		

3rd Technical Meeting – Valencia (SP), 20–22 September 2022

## 6. Training School Activities summary

Prof Luis Correia reported the activities carried out in the first Grant Period and explained the plans and intentions for the second Grant Period for what concerns THE Training Schools.



# INTERACT

## 7. Final Report from the Grant Holder

Prof Roberto Verdone, Grant Holder Scientific Representative (GHSR) of the Action, showed the **Work and Budget Plan (WBP) for Year 1** and the **Status of the expenditures** up to date.

INTERACT		Report from Grant Holder			
<b>Budget Y1:</b>					
Work and Budget Plan	Planned (WBP)	Spent	Remaining	Re-allocated	
<b>A. COST Networking Tools EUR</b>					
(1) Meetings	90.000,00	40.999,42	49.000,58	56.201,16	
(2) Training Schools	8.000,00	5.833,16	2.166,84	0,00	
(3) Short Term Scientific Missions (STSM)	4.400,00	1.700,00	2.700,00	0,00	
(4) ITC Conference Grant	500	0,00	500,00	0,00	
(5) COST Action Dissemination	4.695,00	3.961,26	733,74	0,00	
(6) Other Expenses Related to Scientific Activities (OERSA)	1.100,00	0,00	1.100,00	0,00	
<b>B. Total Science Expenditure (sum of (1) to (6))</b>	<b>108.695,00</b>	<b>52.493,84</b>	<b>56.201,16</b>	<b>56.201,16</b>	
<b>C. Financial and Scientific Administration and Coordination (FSAC) (max. of 15% of B)</b>	<b>16.304,25</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	
<b>Total Grant (B+C)</b>	<b>124.999,25</b>				

3rd Technical Meeting – Valencia (SP), 20-22 September 2022

He then proposed to the MC Member the approval for a reallocation of the remaining budget of all the other Networking Activities to Meetings. The proposal was approved unanimously.

INTERACT		Report from Grant Holder		
<b>Budget Y1:</b>				
Work and Budget Plan	Re-allocated	Expected	Remaining	
<b>A. COST Networking Tools EUR</b>				
(1) Meetings	56.201,16	56.400,00	-198,84	
(2) Training Schools	0,00	0,00	0,00	
(3) Short Term Scientific Missions (STSM)	0,00	0,00	0,00	
(4) ITC Conference Grant	0,00	0,00	0,00	
(5) COST Action Dissemination	0,00	0,00	0,00	
(6) Other Expenses Related to Scientific Activities (OERSA)	0,00	0,00	0,00	
<b>B. Total Science Expenditure (sum of (1) to (6))</b>	<b>56.201,16</b>	<b>55.400,00</b>	<b>-198,84</b>	

50.400 Reimbursement MCM/WGC  
6.000 LOS

3rd Technical Meeting – Valencia (SP), 20-22 September 2022



# INTERACT

As shown in the table, by estimating the number of participants in the meeting and consequently the total amount to be reimbursed, a negative final balance of about 200 € is expected. This might mean that the GH will not be in the condition to reimburse the participants 100% of their claim. Of course, these figures will only be confirmed once all the claims have been submitted and processed by the Grant Holder Manager.

Having assumed a negative balance, the GH SR pre-alerted the eligible participants ahead of the meeting about the possible intervention to cover the exceeding amount from external funds.

He then presented the **Work and Budget Plan for Year 2**.

INTERACT		Report from Grant Holder
<b>Budget Y2: 176 000 €</b>		
Work and Budget Plan	Planned	
<b>A. COST Networking Tools EUR</b>		
(1) Meetings	129.000,00	
(2) Training Schools	14.500,00	
(3) Short Term Scientific Missions (STSM)	7.200,00	
(4) ITC Conference Grant	1.350,00	
(5) COST Action Dissemination	0,00	
(6) Other Expenses Related to Scientific Activities (OERSA)	993,00	
<b>B. Total Science Expenditure (sum of (1) to (6))</b>	153.043,00	
<b>C. Financial and Scientific Administration and Coordination (FSAC)</b> (max. of 15% of B)	22.956,45	
<b>Total Grant (B+C)</b>	<b>175.999,45</b>	

3rd Technical Meeting – Valencia (SP), 20-22 September 2022

The MC Members approved it.

## 8. Training Schools

The Training Coordinator Prof Luis M. Correia summarized the activity of the Training Schools in the first Grant Period reporting on:

- 1st Training School: *ESoA course: Mobile Radio Propagation for 5G and Beyond*
- 2nd Training School: *Open-RAN Networks: from Theory to Implementation*

He explained how in the 2<sup>nd</sup> Grant Period, both Training Schools and Training Days will be implemented. He then encouraged the Action Members to submit a proposal for the next Training Events.

## 9. Grants (STSM, ITC Grants)

Since the Grant Awarding Coordinator was not able to attend, the Action Chair Prof Laurent Clavier presented the Grants section. He indicated the figures of the 1<sup>st</sup> Grant



# INTERACT

Period STSMs awarded. He recalled the structure, the requirements and the aims of the STSM and ITC Grants and open the call for application for the following Grant Period.


In addition, Prof. Clavier highlighted that the Steering Committee proposed to lower the maximum funding per grant to 500 EUR so that the Action may fund a higher number of grants in its second year to encourage the exchanges. The final suggestion was to read the Annotated rules for those who are interested in applying for a grant in order to comprehend all the rules of the Grants applications.

## 10. Dissemination



First, the Young Researchers Representative Ms Francesca Conserva updated the Members on the outcomes of the Newsletter.

Secondly, the Science Communication Coordinator Prof Margot Deruyck presented the Communication plan on the social network tools during the 1<sup>st</sup> Grant Period. In addition, she informed the podcast project that has been launched.

Thirdly, Prof Margot Deruyck displayed the science communication plan envisioned for the 2<sup>nd</sup> Grant Period. The strategy is directed towards the implementation of the Action’s means of communication created up until today to be divulged within the MC Members.


Science communication plan

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Science Communication Plan – COST Action CA20120 “Intelligence-Enabling Radio Communications for Seamless Inclusive Interactions” (INTERACT)

Strategy and implementation on dissemination of the Action results

The table below mentions all the communication and dissemination activities that were foreseen in the MoU of our Action, along with the status of the implementation

Activity	Status
Organisation of Training Schools by INTERACT lectures and jointly with other EU projects and COST actions which will be open for all	Ongoing <a href="https://interactca20120.org/training-schools/">https://interactca20120.org/training-schools/</a>  In the first year, INTERACT has organized two training schools: <ul style="list-style-type: none"> <li>• Joint training school with ESoA on “Mobile Radio propagation for 5G and beyond” (June 2022)</li> <li>• Training school on “Open RAN networks: from theory to implementation” (July 2022)</li> </ul> A yearly call for training schools will be launched in the beginning of each year.
Organisation of topical workshops, webinars, seminars and tutorials on a regular basis	Ongoing

Science Communication Plan

- Communication, dissemination and valorization strategy, incl. a plan to implement this strategy
- Updated on a yearly basis
- All MC members received a copy last week
- Approved?

3rd Technical Meeting – Valencia (SP), 20–22 September 2022

The MC Members approved it.



# INTERACT

## 11. Women in Radio Science

Prof Sana Salous presented the URSI Project which aims to recruit women in the Radio Science field engaged to work together. Please see the presentation in Annex 6.

## 12. Next meetings

The Action Chair Prof Laurent Clavier discussed the upcoming meetings.



## INTERACT

MC / technical meetings

### Upcoming Meetings

- **Fourth MC meeting and technical meeting**

*Last week of Jan. 2023 – Dubrovnik (Croatia)*

- **Then**

*May-Jun. 2023 – Not possible in Roma due to the lack of room availability  
Greece (Thessalonic) ?*

*Sep. 2023 – Not possible in Ghent*

*Jan./Feb. 2024 (special one) – Lisboa*

3rd Technical Meeting – Valencia (50), 20-22 September 2022

He ultimately highlighted the schedule of the whole MC and Technical Meeting in the following days.

## 13. Plenary talks

Three TD were selected to be presented during the Plenary.





# INTERACT

THURSDAY, 202 SEPTEMBER 2022, 11:00 AM

## 14. Feedback from Working Group Chairs

The WG Co.-Chairs presented their feedback on the Technical Meeting. Please find their contributions in Annex 5.

During WG1 and WG2 the creation of two new Sub-Working Groups was proposed:

- Reconfigurable Intelligent Surfaces (**RIS**) within WG1: Prof Marco Di Renzo and Prof Joonas Kokkonen were elected as new Co-Chairs;
- Integrated Sensing and Communications (**ISAC**) within WG2: Prof Yang Miao and Prof Carsten Smeenk were elected as new Co-Chairs.

## 15. Feedbacks from Liaisons

The Action Chair Prof Laurent Clavier close the Plenary presenting a list of ongoing projects that could possibly be taken into consideration for a liaison with INTERACT Action.