

Deliverable 11.5: Minutes of ACTRIS IMP meetings in 2021

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1. 2021 Spring ACTRIS IMP Meeting, virtual, March 29-30, 2021

1.1 Scope and Overview

ACTRIS Implementation Project IMP (EU H2020 2020-2023) is a four-year project that started in January 2020. The project is intended as the implementation phase of ACTRIS and for ACTRIS to become part of the European Research Infrastructure Consortium (ERIC). The purpose of this meeting was to get the ACTRIS IMP consortium together, including beneficiaries, linked third parties, associate partners and SIAB members. The 2021 Spring ACTRIS IMP Meeting was intended as a project-specific meeting with a focus on the IMP Project and how it supports the implementation of ACTRIS. Annual ACTRIS IMP General Assembly took place as part of the meeting as well.

1.2 Agenda

BRU Time	Mon Mar 29	Tue Mar 30	FIN Time
09:00-09:30	Introduction (Eija Juurola)	User Access to ACTRIS (Rosa Petracca and Sabine Philippin)	10:00-10:30
09:30-10:00	IMP General Assembly (Mikhail Paramonov)		10:30-11:00
10:00-10:30	Break		11:00-11:30
10:30-11:00	National Progress Reports (National Contact Persons)	Break	11:30-12:00
11:00-11:30		User Access to ACTRIS (Rosa Petracca and Sabine Philippin)	12:00-12:30
11:30-12:00		Use of the new ACTRIS Website (Giulia Saponaro)	12:30-13:00
12:00-12:30	Lunch break		13:00-13:30
12:30-13:00			13:30-14:00
13:00-13:30	CF Progress Reports (CF Leaders)	ACTRIS in the European and International landscapes and Innovation (Paolo Laj and Carmela Cornacchia)	14:00-14:30
13:30-14:00		Break	14:30-15:00
14:00-14:30			15:00-15:30
14:30-15:00	Break	Progress in the ICT Development (Niku Kivekäs)	15:30-16:00
15:00-15:30	NF Labelling Plan (Ulla Wandinger)	Concluding Remarks and Feedback (Eija Juurola)	16:00-16:30
15:30-16:00			16:30-17:00
16:00-16:30			17:00-17:30
16:30-17:00			17:30-18:00

1.3 Participants

First Name	Last Name	Affiliation	Country
Elke	Ludewig	ZAMG Sonnblick Observatory	Austria
Jochen	Wagner	Medical University Innsbruck	Austria
Hugo	De Backer	Royal Meteorological Intitute (Belgium)	Belgium
Martine	De Maziere	Royal Belgian Institute for Space Aeronomy	Belgium
Benjamin	Bergmans	ISSeP	Belgium
Crist	Amelynck	Royal Belgian Institute for Space Aeronomy	Belgium
Bart	Dils	Royal Belgian Institute for Space Aeronomy	Belgium
Ivan	Grigorov	Institute of Electronics, Bulgarian Academy of Sciences	Bulgaria
Tanja	Dreischuh	Institute of Electronics, Bulgarian Academy of Sciences	Bulgaria
Liliya	Angelova	EMIL DJAKOV INSTITUTE OF ELECTRONICS BULGARIAN ACADEMY OF SCIENCES	Bulgaria
Tsvetina	Evgenieva	Institute of Electronics, Bulgarian Academy of Sciences	Bulgaria
Christo	Angelov	INRNE, BAS	Bulgaria
Nina	Nikolova	Institute for Nuclear Research and Nuclear Energy (INRNE)	Bulgaria
Leonard	Barrie	McGill University Canada. U of Stockholm The Cyprus Institute	Canada
Jean	Sciare	The Cyprus Institute	Cyprus
Andri	Charalambous	The Cyprus Institute	Cyprus
Rodanthi Elisavet	Mamouri	Cyprus University of Technology and ERATOSTHENES Centre of Excellence [CUT-ECOE]	Cyprus
Maximilien	Desservettaz	The Cyprus Institute	Cyprus
Franco	Marenco	The Cyprus Institute	Cyprus
Marina	Papageorgiou	The Cyprus Institute	Cyprus
Argyro	Nisantzi	Cyprus University of Technology	Cyprus
Ivan	Holoubek	CR	Czech Republic
Jakub	Ondracek	ICPF CAS	Czech Republic
Beáta	Szabó-Takács	Global Change Research Institute CAS	Czech Republic
Saliou	Mbengue	Global Change Research Institute, Czech Academy of Sciences	Czech Republic
Milan	Vana	CHMI	Czech Republic
Pavel	Sedlak	Institute of Atmospheric Physics of the Czech Academy of Sciences	Czech Republic
Roman	Prokeš	CzechGlobe, Global Change Research Institute CAS	Czech Republic

Henrik	Skov	Aarhus University Department of Environmental Science	Denmark
Merete	Bilde	Aarhus University	Denmark
Mads	Mørk Jensen	Aarhus University	Denmark
Steffen	Noe	Estonian University of Life Sciences	Estonia
Paivi	Haapanala	University of Helsinki	Finland
Mikhail	Paramonov	FMI	Finland
Katrianne	Lehtipalo	University of Helsinki	Finland
Niku	Kivekäs	Dr	Finland
Tuukka	Petäjä	University of Helsinki	Finland
Anna	Salonen	FMI	Finland
Pirjo	Kontkanen	University of Helsinki	Finland
Giulia	Saponaro	FMI/ACTRIS	Finland
Antti	Hyvärinen	Finnish Meteorological Institute	Finland
Edith	Rodriguez	Finnish Meteorological Institute	Finland
Silja	Hame	University of Helsinki	Finland
Simo	Tukiainen	Finnish Meteorological Institute	Finland
Tuija	Jokinen	INAR/Physics	Finland
Ulpu	Leijala	Finnish Meteorological Institute	Finland
Terhi	Kontkanen	-	Finland
Eija	Jurola	FMI	Finland
Ewan	O'Connor	FMI	Finland
Ariane	Dubost	CNRS LaMP	France
Thérèse	Salameh	IMT Lille Douai	France
Jean-Pierre	Cammas	OSU-Réunion (CNRS & UR)	France
Matilde	Oliveri	CNRS	France
Guillaume	Brissebrat	CNRS	France
Stéphane	Sauvage	IMT Lille Douai	France
Olivier	Favez	Ineris	France
Suzanne	Crumevolle	LOA	France
Alexandra	Froment	CNRS - IPSL	France
Andrea	Pazmino	LATMOS (UVSQ/CNRS)	France
Patrice	Henry	CNES	France
Martial	Haefelin	IPSL / CNRS	France
Wahid	mellouki	CNRS, France	France
Valérie	Thouret	CNRS & Université Toulouse III - Paul Sabatier	France
Anne	Priem	CARS-CNRS	France
Philippe	Goloub	CNRS	France
Valentin	Duflot	LACy/OPAR	France
Abhinna	Behera	Postdoc	France

Paolo	Laj	ACTRIS HO	France
Sabine	Philippin	CNRS	France
Volker	Lehmann	DWD	Germany
Robert	Wegener	Research Center Juelich Germany	Germany
Bryan	Hellack	German Environment Agency, UBA	Germany
Falk	Mothes	Leibniz Institute for Tropospheric Research (TROPOS)	Germany
Bernhard	Pospichal	University of Cologne, Germany	Germany
Andreas	Macke	TROPOS	Germany
Anja	Claude	Deutscher Wetterdienst (DWD)	Germany
Rainer	Steinbrecher	Kit/IMK-IFU	Germany
Patric	Seifert	TROPOS	Germany
Johannes	Bühl	TROPOS	Germany
Stephanie	Schuettauf	TROPOS	Germany
Markus	Hermann	Leibniz Institute for Tropospheric Research	Germany
Martin	Radenz	TROPOS	Germany
Kristina	Höhler	KIT	Germany
Ralf	Tillmann	Research Centre Juelich	Germany
Iulia	Patroescu-Klotz	Bergische Universität Wuppertal	Germany
Ulla	Wandinger	TROPOS	Germany
Dennis	Niedermeier	TROPOS (Leipzig, Germany)	Germany
Niklas	Illmann	Bergische Universität Wuppertal	Germany
Astrid	Kiendler-Scharr	Forschungszentrum Jülich GmbH	Germany
Mathias	Palm	University of Bremen	Germany
Romy	Fösig	Karlsruhe Institute of Technology	Germany
Ottmar	Möhler	KIT	Germany
Torsten	Tritscher	TSI GmbH	Germany
Laurent	Poulain	Leibniz Institute for Tropospheric Research (TROPOS)	Germany
Annika	Kuss	DWD	Germany
Harald	Flentje	Deutscher Wetterdienst	Germany
Birgit	Heese	Leibniz Institut for Tropospheric Research (TROPOS)	Germany
Volker	Freudenthaler	LMU	Germany
Kalliopi	Voudouri	Aristotle University of Thessaloniki	Greece
Nikolaos	Mihalopoulos	National Observatory of Athens	Greece
Konstantinos	Michailidis	PhD Candidate - Aristotle University of Thessaloniki	Greece
Konstantinos	Eleftheriadis	NCSR Demokritos	Greece

Nikos	Kalivitis	University of Crete	Greece
Spyros	Pandis	FORTH	Greece
George	Georgousis	RAYMETRICS SA	Greece
Ioanna	Mavropoulou	National Observatory of Athens	Greece
Stavroula	Papatheochari	National Observatory of Athens/ IAASARS	Greece
Eleni	Liakakou	National Observatory of Athens	Greece
Aikaterini	Bougiatioti	National Observatory of Athens	Greece
John	Wenger	University College Cork	Ireland
Jean-Philippe	Putaud	Joint Research Centre	Italy
Maria Rita	Perrone	University of Salento	Italy
Paolo	Cristofanelli	CNR	Italy
Carmela	Cornacchia	CNR-IMAA	Italy
Angela	Marinoni	CNR-ISAC	Italy
Katia	Ferrari	CNR-ISAC	Italy
Salvatore	Romano	University of Salento (Lecce, Italy)	Italy
Massimo	Chiari	INFN - National Institute of Nuclear Physics (Italy)	Italy
Rosa Maria	Petracca Altieri	CNR	Italy
Alessia	Sannino	Univesità di Napoli "Federico II"	Italy
Adelaide	Dinoi	ISAC-CNR	Italy
Simone	Gagliardi	CNR	Italy
Giuseppe	Gargano	CNR-IMAA	Italy
Davide	Dionisi	Institute of Marine Sciences - National Research Council (ISMAR - CNR)	Italy
Daniela	Meloni	ENEA	Italy
Tatiana	Di Iorio	Enea	Italy
Giandomenico	Pace	ENEA	Italy
Salvatore	Amoruso	University of Naples Federico II	Italy
Antonella	Boselli	IMAA-CNR	Italy
Gelsomina	Pappalardo	CNR	Italy
Lucia	Mona	CNR	Italy
Aldo	Amodeo	CNR	Italy
Carlo	Rizzuto	CERIC-ERIC	Italy
Ann Mari	Fjæraa	NILU	Norway
Øystein	Hov	Norwegian Meteorological Institute	Norway
Iwona	Stachlewska	University of Warsaw	Poland
Patryk	Patryk	Poznan University of Life Sciences	Poland
Aleksander	Pietruczuk	Institute of Geophysics PAS	Poland

Krzysztof	Klejnowski	Institute of Environmental Engineering Polish Academy of Sciences	Poland
Artur	Szkop	Institute of Geophysics, PAS, Poland	Poland
Mariola	Jablonska	University of Silesia in Katowice, Poland	Poland
Maciej	Kryza	Uniwersytet Wrocławski	Poland
Anetta	Drzeniecka	Uniwersytet Wrocławski	Poland
Daniele	Bortoli	University of Evora	Portugal
Marius	Cazacu	Gheorghe Asachi Technical University of Iasi	Romania
Ioannis	Biniotoglou	INOE, Bucharest	Romania
Doina	Nicolae	INOE	Romania
Jeni	Vasilescu	National Institute of R&D for Optoelectronics INOE	Romania
Camelia	Talianu	National Institute of Research and development for Optoelectronics, INOE	Romania
África	Barreto Velasco	METEOROLOGICAL STATE AGENCY OF SPAIN	Spain
Mila	Rodenas	CEAM Foundation - EUPHORE	Spain
Amalia	Muñoz	CEAM	Spain
Margarita	Yela	INTA	Spain
Alejandro	Rodriguez-Gomez	Universitat Politècnica de Catalunya	Spain
Andres	Alastuey	IDAEA-CSIC	Spain
Marco	Pandolfi	IDAEA-CSIC	Spain
Adolfo	Comeron	UNIVERSITAT POLITÈCNICA DE CATALUNYA	Spain
Francisco	Molero	CIEMAT	Spain
Teresa	Vera	fundacion CEAM	Spain
Carlos	Toledano	University of Valladolid	Spain
Carmen	Cordoba-Jabonero	Instituto Nacional de Técnica Aeroespacial (INTA)	Spain
Begoña	Artiñano	CIEMAT	Spain
Noemi	Perez	IDAEA-CSIC	Spain
Maria Cruz	Minguillon	IDAEA-CSIC	Spain
Sara	Basart	Barcelona Supercomputing Center	Spain
Lucas	Alados-Arboledas	Universidad de Granada	Spain
Natalia	Prats	AEMET-Izaña	Spain
Erik	Swietlicki	Lund University	Sweden
Martin	Gysel-Beer	Paul Scherrer Institute	Switzerland
Benjamin	Brem	Paul Scherrer Institute	Switzerland
Stefan	Reimann	Empa	Switzerland
Urs	Baltensperger	PSI	Switzerland

Herman	Russchenberg	Delft University of Technology	The Netherlands
Arnoud	Apituley	KNMI	The Netherlands
Detlef	Mueller	University of Hertfordshire	United Kingdom
Jan	Kaiser	University of East Anglia	United Kingdom
Geraint	Vaughan	NCAS, University of Manchester	United Kingdom
Thomas	Choularton	University of manchester	United Kingdom
Christine	Braban	Uk Centre for Ecology and Hydrology	United Kingdom
Chris	Walden	Chilbolton Observatory	United Kingdom

1.4 Action Items

Monday March 29th

Introduction

The session was attended by 130 (09:25 CEST) participants.

- ACTRIS ERIC establishment (foreseen in winter 21/22) depends also on the development in the European Commission.
- Hack the Arctic (12.-14.3.2021) was a very good example of how to cooperate with other RIs and get visibility for the ACTRIS work.
- All of the deliverables due M18 and the ones that have been delayed need to be submitted to the Coordinator at the latest in late May due to the review process. No review process for the milestones; they, therefore, can be submitted in mid-June.

National Progress Reports

The session was attended by 150 (11:13 CEST) participants.

- Estonia, the Netherlands and Portugal updated their status after the main slide set.
- The Netherlands: NFs: 3 operational + 2 in preparation, mobile platform, hosting units in CCRES, CREGARS, ministry discussions ongoing (update in June IAC meeting), national roadmap status (ACTRIS +ICOS combined), to be updated in 2021, new proposals to be submitted.
- Portugal: 3 NFs (2 observatory & 1 exploratory), plans for a new ACTRIS observatory site (Azores, Pico Islands), national funding organizations endorse ACTRIS and ACTRIS community in Portugal, but no concrete plans yet, in May there will be a ministerial meeting to discuss the infrastructures.
- HO is ready to support the national processes if needed. It is great to hear that there are plans for new ACTRIS sites and platforms.

CF Progress Reports

The session was attended by 139 (13:37 CEST) participants.

- BEERi (Board of European environmental research infrastructures) meets regularly (once or twice a year) for the communication and sharing of experiences among RIs

- It is perhaps worth mentioning that ACTRIS HO is also often and regularly asked to act as a science organisation, representing a community of atmospheric scientists. It is also a voice for the EU commission.
- There aren't any details yet on the DG recruitment process. Overall process development ongoing & practises for the recruitment process itself (concrete plan) to be presented to IAC in June and hopefully approved in the autumn.
- The link of the DC search portal with the Catalogue of Service (under development) should be addressed. We need a framework agreement with WMO on operations of the Data Centre and the calibration centres.

NF Labelling Plan

The session was attended by 133 (15:23 CEST) participants.

- Labelling concerns the labelling of the official NFs in the ACTRIS countries only. JRC station will receive an ACTRIS label, but the process for its inclusion is different from the NFs in the ACTRIS member and observer countries and is foreseen to be similar to ICOS process.
- NF contact list is needed for the CFs.
- There was a call last autumn for volunteers for the NF labelling pilot project. Done by e-mail. In case there are other NFs that would like to volunteer, Ulla Wandinger can be contacted directly.
- Duplicate work should be avoided for those NFs that are signing up with several components.
- There is a need to look closer at the mobile platforms, as they are not so mature and haven't been considered much in ACTRIS up to now. Working Group on ACTRIS NF Exploratory Platforms was established in 2020 to support the work. Some are already included in the ATMO-ACCESS project.
- There is a need to establish the dialogue with the RPOs and PIs of the mobile platforms. In the first years of ERIC there will be a need for the TCs to handle an increasing number of NFs and components in a controlled way.
- It is important to identify possible bottlenecks in the NF Labelling Process.
- Clear timelines for NFs should be avoided as at some point there will be a quick increase in the number of NFs.
- Timelines for different NFs and NF types will be different.

Tuesday March 30th

User Access to ACTRIS

The session was attended by 127 (09:58 CEST) participants.

- Answers to polls and questions from the IMP audience in Slido were handled directly by the user access team.
- In the future many small surveys focusing on one issue/topic at one time will be utilised, as they are easier for users to answer.
- Tutorials and other relevant documents should be available as part of access knowledge interface.

- There has been excellent collaboration between WP6 & WP9; related to user needs.

Use of the New ACTRIS Website

The session was attended by 123 (11:45 CEST) participants.

- Materials and previous presentations
 - deliverables of IMP and PPP available at the moment
 - meeting documents following up soon
- Community mailing list includes both external & internal people. In the future there will be an e-mail list for the internal community.
- Community meeting documentation can be put on the intranet and a link can be shared with the workshop/meeting participants.
- Acronyms should be used as little as possible on the website.
- Rules of using the Intranet should be discussed at the ACTRIS HO.
- Currently the intranet cannot be synchronised with the outlook/google calendars. Work in progress.
- Not everybody will be able to log in to the new website. Public presentations will be placed directly on the website (not in the intranet).

ACTRIS in the European and International Landscapes and Innovation

The session was attended by 121 (14:50 CEST) participants.

- It is important to have cooperation with the Private Sector but also to provide services to them. This will be evaluated. It is important to measure the impact of the services and develop suitable Key Performance Indicators (KPIs). Financial tools and the pricing should be evaluated as well. There a task about this in the ATMO-ACCESS project.

Progress in the ICT Development

The session was attended by 114 (15:56 CEST) participants.

- Automatization and integration are needed between the different HO ICT systems, as well as between different TC's ICT systems (APIs).
- There are no WP/tasks or resources for setting up administrative tools and workflows in ACTRIS IMP -> this needs to be done with HO's/other organizations' resources.
- Setting up of the ICT tools is a high priority task at the HO.
- Budget for ICT is significantly less than is needed for a comprehensive system. Resources for the ACTRIS community/RPOs need to be used if feasible. HO (ERIC) is allocating resources for the implementation of the ICT systems. However, the step-wise implementation of the ICT tools is necessary.
- HO tasks could possibly be performed with tools and not fully automated workflow processes (some human interaction needed), similar to the DC. This could be applied also for other TCs/NFs. Workflows can also be separated from the actual tool used (the tool can be different). Next steps include monitoring aspect and the provision of tools and training.

Concluding Remarks and Feedback

The session was attended by 114 (15:36 CEST) participants.

- Link to the acronyms used in ACTRIS vocabulary is needed. Glossary is updated currently and will be published on the website, but it covers only “ACTRIS acronyms” and not those that are used in normal RI jargon.
- IMP is a tool to serve ACTRIS implementation, and as such it should be managed in a flexible manner to follow the general decisions and plans in ACTRIS.
- Communication needs (internal/external and engagement):
 - ACTRIS calendar needs to be put in place asap in order to find events and follow up the information. The work is on-going, and the calendar will be published on the intranet. The calendar needs to be also *used* by all to work properly.
 - TCs need information on the technical work that is ongoing in DC. DC has had workshops open to all. They could be organized more often and communicated better to the community. There may be also smaller workshops.
 - Informal discussions are lacking currently due to COVID. This needs to be kept in mind.
 - Access to information is crucial for ACTRIS community building. The new intranet should help with that. It is important to think about what information different actors (TC, NF, RPO, etc.) are needing.
- There is a proposition to have a forum for the ACTRIS community.
 - Scientific and Technical Forum will be established this year, and it is a high priority task.
 - Discussion Forum for access users will be put in place by SAMU. It is not meant for scientific/technical discussions, but for covering the entire ACTRIS services user perspective.
 - There is a need for a general online Forum for all the community, to be able to ask and discuss everything, find information, etc.
- It is also important not to overload ACTRIS calendar/community with too many meetings/working groups as many things can be solved e.g. bilaterally and, if needed, be brought to the larger community.

1.5 Second General Assembly Meeting Minutes

The second ACTRIS IMP General Assembly took place on March 29th virtually during the 2021 Spring ACTRIS IMP Meeting.

AGENDA

1. Opening of the meeting

Mikhail Paramonov opened the meeting at 10:31. The Agenda has been sent to all the Beneficiaries. The Agenda was approved.

2. Quorum and voting rights (For information)

31 of the 35 members of the General Assembly were represented (by proxy). NILU, KNMI, INRNE-BAS and UCC were not represented.

Each Member of the General Assembly has one vote, and all votes are equal. Decisions shall be taken by a majority of 2/3 of the votes cast.

3. Confirmation of the chair and the secretary of the meeting (For approval)

Based on the Consortium Agreement the Coordinator shall chair all meetings of the General Assembly, unless decided otherwise in a meeting of the General Assembly. Coordinator Eija Juurola has proposed that Project Manager Mikhail Paramonov shall chair the 2nd General Assembly meeting (virtual 29.03.2021). Mikhail Paramonov was decided to chair the meeting.

4. Acceptance of the new ACTRIS IMP Associate Partners (For approval)

Four new Associated Partners were approved by the General Assembly without any objections.

5. Confirmation of the members of the Executive Board (For approval)

Coordinator Eija Juurola proposed the following ACTRIS IMP Executive Board (EB) members.

Eija Juurola, FMI, Coordinator
Tuukka Petäjä, UHEL, Co-coordinator & WP3 leader
Niku Kivekäs, FMI, WP1 leader
Pirjo Kontkanen, UHEL, WP2 leader
Doina Nicolae, INOE, WP4 leader
Ulla Wandinger, TROPOS, WP5 leader
Rosa Maria Petracca Altieri, CNR, WP6 leader
Sabine Philippin, CNRS, WP7 leader
Paolo Laj, UHEL, WP8 leader
Carmela Cornacchia, CNR, WP9 leader
Giulia Saponaro, FMI, WP10 leader
Mikhail Paramonov, FMI, Project Manager and WP11/WP12 leader
Cathrine Lund Myhre, NILU, Data Centre leader

The members of the ACTRIS IMP Executive Board were approved without any objections.

6. Amendment related to the budget category changes within the CNRS (For approval)

CNRS would like to request a change in a budget category from the Unit Costs to the Actual Costs for one of the TNA facilities, the CARS-ASP-FR facility. The overall TNA budget allocated to the facility in question would remain unaffected, and the change is requested to take effect retroactively for the entire duration of the project (starting 1/1/2020). Request for an Amendment is to be submitted to

EC in April 2021.

UW asked for a short explanation. CNRS explained that the change is needed purely for internal administrative reasons.

The Amendment was approved without any objections.

7. Reporting (For information)

The 1st ACTRIS IMP reporting period ends in June 2021:

RP1 month 1 – month 18 (1.1.2020 - 30.6.2021)

RP2 month 19 – month 36 (1.7.2021 - 31.12.2022)

RP3 month 37 – month 48 (1.1.2023 - 31.12.2023)

Periodic reports (both technical and financial) are due up to 60 days after the end of the reporting period, i.e. **by August 29th, 2021**.

Financial reporting can start only when RP1 ends, i.e. after June 30th, 2021. Technical reporting can start earlier and will commence already in May.

Reporting guidelines will be sent out in May. Important to start working on RP1 reporting early enough due to summer holidays in July and August.

8. AOB

Urs Baltensperger (PSI) will retire during the spring and gave his farewells to the ACTRIS community.

INOE requested that information of the PMs that different beneficiaries will report in different WPs during RP1 should be available as early as possible. The Coordinator will come back to the matter.

CNRS inquired whether the General Assembly need to approve new TNA members according to the Consortium Agreement. The Coordinator will come back to the matter.

9. Closing of the meeting

Mikhail Paramonov closed the General Assembly meeting at 10:50.

2. ACTRIS Week 2021, virtual, October 27-29, 2021

2.1 Scope and Overview

ACTRIS Implementation Project IMP (EU H2020 2020-2023) is a four-year project that started in January 2020. The project is intended as the implementation phase of ACTRIS and for ACTRIS to become part of the European Research Infrastructure Consortium (ERIC). The aim of the ACTRIS Week 2021 was to bring the wider ACTRIS Community together and to update the community about the most recent and ongoing ACTRIS progress and challenges. Similar to the previous ACTRIS Week, ACTRIS Week 2021 also focused heavily on scientific work performed within the ACTRIS Consortium and included a special plenary session about the research performed within ACTRIS.

2.2 Agenda

BRU Time	Wed Oct 27	Thu Oct 28	Fri Oct 29	FIN Time
09:00-09:30	4th Aerosol In-Situ Community Meeting	Welcome and the progress report of ACTRIS (Eija Juurola and Paolo Laj)	ACTRIS Services (Rosa Petracca, Carmela Cornacchia and Cathrine Lund Myhre)	10:00-10:30
09:30-10:00		ACTRIS information sharing (Eija Juurola and Giulia Saponaro)		10:30-11:00
10:00-10:30				11:00-11:30
10:30-11:00		Break	Break	11:30-12:00
11:00-11:30		Atmospheric Simulation Chambers: past experiences and future perspectives for ACTRIS (Astrid Kiendler-Scharr)	Development of the labelling process (Ulla Wandinger and Niku Kivekäs)	12:00-12:30
11:30-12:00				12:30-13:00
12:00-12:30		Lunch break		13:00-13:30
12:30-13:00				13:30-14:00
13:00-13:30	ATMO-ACCESS Stakeholder Workshop	ACTRIS Science Session (Adolfo Comeron + speakers)	Cross-RI activities and integration (Tuukka Petäjä + speakers)	14:00-14:30
13:30-14:00			ACTRIS in a European landscape (Paolo Laj + external speakers)	14:30-15:00
14:00-14:30	Break	15:00-15:30		
14:30-15:00	ATMO-ACCESS Stakeholder Workshop	Break	Break	15:30-16:00
15:00-15:30		ACTRIS Science Session (Adolfo Comeron + speakers)	SIAB feedback and the closing of the meeting (SIAB and Eija Juurola)	16:00-16:30
15:30-16:00				16:30-17:00
16:00-16:30				17:00-17:30
16:30-17:00		ACTRIS Week 2021 Social Event		17:30-18:00
17:00-17:30			18:00-18:30	
17:30-18:00			18:30-19:00	

2.3 Participants

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2.4 Action Items

Thursday October 28th, Welcome and the Progress Report of ACTRIS

Thursday October 28th, 09:00-09:45 CET. The session was attended by 189 (09:50 CET) participants.

Presentations by Eija Juurola and Paolo Laj

- See the slides

- Finland is the statutory seat of ACTRIS ERIC, the legal entity, that is starting the process and not signing the commitment letter as the others.
- Work needs to be done to make the ACTRIS as a clear and known brand among the stakeholders.
- ACTRIS is an RI providing tools. We need to make sure that our tools fit in science. We should consult with other RIs and have the means to consult the user (and potential user) needs. The focus is on the user needs. We also need to consider the evolution of the scientific field.

Thursday October 28th, ACTRIS Information Sharing

Thursday October 28th, 09:45-10:30 CET. The session was attended by 185 (10:01 CET) participants.

Presentation by Giulia Saponaro

- See the slides
- Communication and information sharing are crucial!
- Virtual meetings are more inclusive as it allows more participants of all statuses to follow the project, not only PIs or group heads. We should also consider the carbon footprint of traveling. The hybrid format should be preferred.
- It is important for us to be able to explain the advantages of entering ACTRIS from an economic benefits point of view (which has been asked several times). This will hopefully be answered in the updated Business plan that will be published in the coming months.

Thursday October 28th, Atmospheric Simulation Chambers: past experiences and future perspectives of ACTRIS

Thursday October 28th, 11:00-12:00 CET. The session was attended by 167 (11:39 CET) participants.

Presentation by Astrid Kiendler-Scharr

- See the slides
- Handbook is to be published towards the end of 2021/early 2022. We have to have it published by mid-2022, and it will be Open Access.
- There are possibilities to measure and examine biological particles. Some experiments require challenging ethical reviews. Collaborating with the appropriate experts, these challenges can be overcome.
- We should come up with ideas to use observational platforms and simulation chambers simultaneously. That would be very useful.

Thursday October 28th, ACTRIS Science Session

Thursday October 28th, 13:00-14:30 and 15:00-16:30 CET. The session was attended by 192 (14:01 CET) participants.

- The two 90-minute scientific sessions included a total of 12 presentations about the science conducted within the ACTRIS community. The topics of the presentations included, but were not limited to, the effects of the COVID-19 restrictions and forest fires on the atmospheric state.

Friday October 29th, ACTRIS Services

Friday October 29th, 09:00-10:30 CET. The session was attended by 165 (11:00 CET) participants.

Presentation by Rosa Petracca

- See the slides.
- In order to be listed into the service catalogue, one needs to provide SAMU (CNR) the description of the services, and there is no specific procedure for this. The template to facilitate this in the next version of the catalogue of services will be shared. The same is also true for NFs. The template is not on the web at the moment but could be placed on the ACTRIS intranet. In the framework of ACTRIS IMP we can organize a process with WP4 and WP5 leaders to facilitate the collection of information on services.
- Catalogue shall include all the services (search function of provider). There is no clear consensus whether the services shared with different units should be dealt within units or listed under all the TCs.
- A proposition is made to create a central document of ACTRIS acronyms (glossary) that will be distributed with every announcement for a meeting so that new participants can easily investigate their meaning. This is strongly supported. The ACTRIS Glossary is currently in its finalisation stage and will be available soon on the website, and the link can be distributed in the future as necessary.
- A request is made that the questions in the chat and the answers could be collected somewhere and provided to look things up later.

Presentation by Cathrine Lund Myhre

- See the slides.
- It is hoped that the FLEXPART footprints will be available for all ACTRIS NFs. ATMO-ACCESS will help to set up the system. A request is needed for ATMO ACCESS.
- The tool for Mie closure testing (for checking NRT data) can be made available for off-line use. Ideas have been developed related to that.

Friday October 29th, Development of the Labelling Process

Friday October 29th, 11:00-12:00 CET. The session was attended by 175 (12:24 CET) participants.

Presentation by Niku Kivekäs

- NF database is under development, but it is not existing yet. The database is planned to be published by the end of the year. It is important to think what is needed for the TC to start the labelling work. We need to discuss this in more detail.
- There should be a link between the labelling interface and the TC as the TC needs to be informed on the development in the system. The system will have a version control to see who has changed and what and include a record of changes. The TCs will be informed automatically.
- It is important for expected NFs to be able to prove that the stations can provide the data according to the labelling rules and actually deliver it.

Friday October 29th, Cross-RI Activities and Integration

Friday October 29th, 13:00-13:45 CET. The session was attended by 148 (13:19 CET) participants.

- Presentation by Lucas Alados Arboledas
 - We need a balance of cost vs. sensitivity. For observations with cost-effective instrumentation, sensitivity might be decreased. In-situ size distribution measurements & derived volume distributions need to be connected to the vertical profiling in addition to the mass measurements.
- Presentation by Martine De Maziere
- Presentation by Xavier Querol

Friday October 29th, ACTRIS in a European Landscape

Friday October 29th, 13:45-14:45 CET. The session was attended by 142 (14:35 CET) participants.

- Presentation by Werner Kutsch (ICOS-ERIC, new EU project PAUL)
 - We should ensure connection between emission of CO₂ to aerosol sources and other air quality parameters. There is potential for new services. Some of the cities are the same between RI-URBANS and PAUL. We should set up a working group to get together the projects, and this can be done early next year.
- Presentation by Vincent-Henri Peuch (CAMS)
 - The feedback to site operators would also be welcomed very much by NDACC PIs and has already been discussed with R. Engelen.
- Presentation by Jana Klánová (EIRENE RI)

Friday October 29th, SIAB Feedback and the Closing of the Meeting

Friday October 29th, 15:15-16:00 CET. The session was attended by 117 (15:21 CET) participants.

- SIAB should review its membership when ACTRIS is fully implemented.
- SIAB members would like to participate in more of the ACTRIS Week presentations and have discussions with ACTRIS community e.g. in a dedicated session.
- ACTRIS Science Conference to be organised within ACTRIS IMP timeframe.
- We need more engagement and communication with the NCPs. The HO will organise a meeting with the NCPs in near future.
- The NF Technical and Scientific Forum needs to be established, with the aim to convene the Forum in its first meeting in 2022.
- Important for us to keep the ACTRIS Community engaged.