

Deliverable 11.8: Minutes of ACTRIS IMP meetings in 2023

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ACTRIS IMP WP11 / Deliverable 11.8

1. ACTRIS IMP Extended EB Meeting, Valencia, Spain, March 27-28, 2023

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 meeting was intended for the EB members, as well as those beneficiaries who are leading tasks in the remaining months of the ACTRIS IMP Project. The purpose of this meeting was to discuss the remaining IMP workflows and processes during the last year of the project, to define potential problematic areas and ways of their mitigation and to overall ensure a smooth and efficient ending of the project.

1.2 Agenda

Monday March 27th

13:00-13:15 – welcome and introduction 13:15-14:00 – WP1 14:00-15:00 – WP2 15:00-15:30 – coffee break 15:30-16:30 – WP3 16:30-17:15 – WP8 19:00 – common dinner

Tuesday March 28th

09:00-09:45 - WP4

09:45-10:30 - WP5

10:30-11:00 - coffee break

11:00-12:00 - WP6

12:00-13:00 - WP9

13:00-14:00 - lunch

14:00-14:30 - WP10

14:30-15:30 - WP7

15:30-16:00 - coffee break

16:00-17:00 - open discussion

1.3 Participants

First Name	Last Name	Affiliation
Amalia	Muñoz	CEAM
Carmela	Cornacchia	CNR
Rosa Maria	Petracca Altieri	CNR
Lucia	Mona	CNR
Ariane	Dubost	CNRS
Sabine	Philippin	CNRS
Stefan	Reimann	EMPA
Mikhail	Paramonov	FMI
Niku	Kivekäs	FMI
Pirjo	Kontkanen	FMI
Anna	Salonen	FMI
Giulia	Saponaro	FMI
Eija	Juurola	FMI
Spyros	Pandis	FORTH
Max	Gerrit Adam	FZJ
Vladimir	Zdimal	ICPF
Stephane	Sauvage	IMT
Doina	Nicolae	INOE
Jochen	Wagner	MUI
Cathrine	Lund Myhre	NILU
Nikolaos	Mihalopoulos	NOA
Eleni	Liakakou	NOA
Ulla	Wandinger	TROPOS
Falk	Mothes	TROPOS
Tuukka	Petäjä	UHEL
Paolo	Laj	UHEL
Adolfo	Comerón	UPC

1.4 Action Items

Meeting minutes of all ACTRIS IMP EB meetings are confidential.

2. ACTRIS Week 2023, Heraklion, Greece, October 24-27, 2023

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 2023 was to bring the wider ACTRIS Community together and to update the community about the most recent and ongoing ACTRIS progress and challenges, and to provide a platform for various ACTRIS and ACTRIS-adjacent groups and communities to get together. ACTRIS Week 2023 was the largest meeting of the IMP timeline and reunited approximately 170 persons attending on site in addition to over 100 remote participants. ACTRIS Week 2023 set the stage for the ACTRIS IMP Final Meeting, including the fourth ACTRIS IMP General Assembly, and the next ACTRIS National Facility Technical and Scientific Forum.



2.2 Agenda

2.3 Participants

First Name	Last Name	Affiliation	Country
Julia	Burkart	GeoSphere Austria	Austria
Elke	Ludewig	GeoSphere Austria - Sonnblick Observatoriy	Austria
Jochen	Wagner	Medical University Innsbruck	Austria

Thomas	Bachleitner	Sonnblick	Austria
Christian	Maier	Sonnblick Observatory	Austria
Bernadett	Weinzierl	University of Vienna	Austria
Bavo	Langerock	BIRA-IASB	Belgium
Crist	Amelynck	Royal Belgian Institute for Space Aeronomy	Belgium
Martine	De Maziere	Royal Belgian Institute for Space Aeronomy	Belgium
Niels	Schoon	Royal Belgian Institute for Space Aeronomy	Belgium
Bart	Dils	Royal Belgian Institute for Space Aeronomy (BIRA-IASB)	Belgium
Bert	Verreyken	Royal Belgian Institute for Space Aeronomy (BIRA-IASB) / ULiege	Belgium
Alexander	Mangold	Royal Meteorological Institute of Belgium	Belgium
Stefan	Dosev	IE-BAS / INSTITUTE OF ELECTRONICS, BULGARIAN ACADEMY OF SCIENCES	Bulgaria
Christo	Angelov	INRNE, BAS	Bulgaria
Nikola	Serafimov	INRNE, BAS	Bulgaria
Liliya	Valkova	Institute of Electronics - Bulgarian Academy of Sciences	Bulgaria
Zahari	Peshev	Institute of Electronics, BAS	Bulgaria
Tanja	Dreischuh	Institute of Electronics, Bulgarian Academy of Sciences	Bulgaria
Tsvetina	Evgenieva	Institute of Electronics, Bulgarian Academy of Sciences	Bulgaria
Lyubomir	Ророч	Institute of Electronics, Bulgarian Academy of Sciences	Bulgaria
Rodanthi- Elisavet	Mamouri	CUT	Cyprus
Jean	Sciare	The Cyprus Institute	Cyprus
Marina	Papageorgiou	The Cyprus Institute	Cyprus
Andri	Charalambous	The Cyprus Institute	Cyprus
Laurence	Windell	Czech Academy of Sciences	Czech Republic
Jan	Silhavy	Czech Republic	Czech Republic

Saliou	Mbengue	Global Change Research Institute of the Czech Academy of Sciences	Czech Republic
Jakub	Ondracek	ICPF CAS	Czech Republic
Vladimir	Zdimal	ICPF CAS	Czech Republic
Pavel	Sedlak	Institute of Atmospheric Physics of the Czech Academy of Sciences	Czech Republic
Petr	Pešice	Institute of Atmospheric Physics of the Czech Academy of Sciences	Czech Republic
Zuzana	Talířová Chládová	Institute of Atmospheric Physics of the Czech Academy of Sciences	Czech Republic
Robert	Kvak	Institute of Atmospheric Physics of the Czech Academy of Sciences	Czech Republic
Petra	Ruzickova	Masaryk University, RI ACTRIS-CZ	Czech Republic
Petra	Pribylova	Masaryk University, RI ACTRIS-CZ	Czech Republic
Jan	Pacner	National Atmospheric Observatory Kosetice (ACTRIS-CZ)	Czech Republic
Marcela	Hejkrlíková	The Czech hydrometeorological Institute	Czech Republic
Andreas	Massling	Aarhus University, Department of Environmental Science	Denmark
Mohsen	Rezaei Sarkhanlou	University of Copenhagen	Denmark
Jean-Philippe	Putaud	JRC	EC
Giulia	Saponaro	ACTRIS ERIC	Finland
Eija	Juurola	ACTRIS ERIC	Finland
Mikko	Martikainen	ACTRIS Head Office	Finland
Niku	Kivekäs	ACTRIS HO	Finland
Antti	Hyvärinen	Finnish Meteorological Institute	Finland
Konstantinos	Doulgeris	Finnish Meteorological Institute	Finland
Mikhail	Paramonov	FMI	Finland
Ewan	O'Connor	FMI	Finland
Simo	Tukiainen	FMI	Finland
Tuomas	Siipola	FMI	Finland
Anna	Salonen	FMI	Finland

David	Brus	FMI	Finland
Mika	Komppula	FMI	Finland
Dmitri	Moisseev	FMI	Finland
Antti	Rostedt	Tampere University	Finland
Miikka	Dal Maso	Tampere University (TAU)	Finland
Terhi	Kontkanen	UHEL	Finland
Paolo	Laj	UHEL	Finland
Janne	Lampilahti	University of Helsinki	Finland
Silja	Häme	University of Helsinki	Finland
Pirjo	Kontkanen	University of Helsinki	Finland
Nina	Sarnela	University of Helsinki	Finland
Patrice	Henry	AERIS	France
Guillaume	Brissebrat	AERIS / CNRS	France
Anne	Priem	CARS-ASP_CNRS	France
Idris	Sanhaj	CIMEL ELECTRONIQUE	France
Didier	Crozel	CIMEL Electronique	France
Marylène	Herbelin	CIMEL ELECTRONIQUE	France
Stéphane	Victori	CIMEL Electronique	France
Marc-Antoine	Drouin	CNRS	France
Yanis	Grit	CNRS	France
Gaël	Dubois	CNRS	France
Thierry	Podvin	CNRS	France
Zhuoqun	Wu	CNRS LAMP	France
Cathy	Boonne	CNRS/AERIS	France
Nicolas	Pascal	CNRS/AERIS	France
Sabine	Philippin	CNRS-LAMP	France
Misha	Faber	CNRS-LAMP	France
Ariane	Dubost	CNRS-LAMP	France
Benjamin	Torres	CNRS-LOA	France
Qiaoyun	Hu	CNRS-LOA	France
Philippe	Goloub	CNRS-Université de Lille-LOA	France

Thérèse	Salameh	IMT Nord Europe	France
Veronique	Riffault	IMT Nord Europe	France
Stephane	Sauvage	IMT Nord Europe	France
Olivier	Favez	INERIS	France
Elisa	Villard	Institut Pierre Simon Laplace (IPSL)	France
Martial	Haeffelin	IPSL / CNRS	France
Gaelle	Uzu	IRD	France
Suzanne	Crumeyrolle	Laboratoire d'optique atmospherique	France
Michael	Sicard	LACy, University of La Reunion	France
Valentin	Duflot	LACy/OSU-R	France
Bénédicte	Picquet-Varrault	LISA, CNRS	France
Romain	De Filippi	LOA / University of Lille	France
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Valerie	Gros	LSCE / IPSL	France
Blarel	Luc	PHOTONS/CNRS/LOA	France
Patrick	Fréville	UCA - OPGC	France
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Ina	Mattis	DWD	Germany
Anja	Claude	DWD	Germany
Katrin	Seemeyer	Forschungszentrum Juelich	Germany
Max Gerrit	Adam	Forschungszentrum Jülich	Germany
Hendrik	Fuchs	Forschungszentrum Jülich	Germany

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Giandomenic o	Pace	ENEA	Italy
Tatiana	Di Iorio	ENEA	Italy
Antonella	Boselli	IMAA-CNR	Italy
Dario	Massabò	INFN	Italy
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Chris	Lunder	NILU	Norway
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Shridhar	Jawak	NILU	Norway
Tove	Svendby	NILU	Norway
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Dorte	Herzke	NILU	Norway
Richard	Rud	NILU/DVAS	Norway
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Dominika	Szczepanik	Faculty of Physics, University of Warsaw, Poland	Poland
lwona	Stachlewska	Faculty of Physics, University of Warsaw, Poland	Poland
Krzysztof	Klejnowski	Institute of Environmental Engineering PAS	Poland
Aleksander	Pletruczuk	Institute of Geophysics PAS	Poland
Artur	Szkop	Institute of Geophysics, PAS	Poland
Patryk	Poczta	Poznan University of Life Sciences	Poland
Anna	Abramowicz	University of Silesia	Poland
Ádám	Nádudvari	University of Silesia	Poland
Mariola	Jabłońska	University of Silesia in Katowice, Poland	Poland
Maciej	Karasewicz	University of Warsaw	Poland
Anetta	Drzeniecka- Osiadacz	University of Wrocław	Poland
Tymoteusz	Sawiński	University of Wrocław	Poland
Daniele	Bortoli	University of Evora	Portugal
Nicolae	Ajtai	Babes-Bolyai University, Cluj-Napoca, Romania	Romania
Camelia	Botezan	Babes-Bolyai University, Cluj-Napoca, Romania	Romania

Gabriela	Ciocan	INOE	Romania
Jeni	Vasilescu	National Institute of Research and Development for Optoelectronics INOE	Romania
Doina	Nicolae	National Institute of Research and Development for Optoelectronics INOE	Romania
Anca	Nemuc	National Institute of Research and Development for Optoelectronics INOE	Romania
Livio	Belegante	National Institute of Research and Development for Optoelectronics INOE	Romania
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Jan	Švehla	Ministry of Education, Youth and Sports	Slovakia
Asta	Gregoric	Aerosol Magee	Slovenia
Ivan	Iskra, PhD	AethLabs, Business Development Lead	Slovenia
Africa	Barreto	AEMET	Spain
Amalia	Munoz	CEAM	Spain
Francisco	Molero	CIEMAT	Spain
Mar	Sorribas	ESAt-El Arenosillo - National Institute for Aerospace Technology (INTA)	Spain
Mila	Rodenas	Fundacion CEAM	Spain
Andres	Alastuey	IDAEA-CSIC	Spain
Noemi	Perez	IDAEA-CSIC	Spain
Carmen	Cordoba- Jabonero	Instituto Nacional de Tecnica Aeroespacial (INTA)	Spain
María Ángeles	López-Cayuela	Instituto Nacional de Técnica Aeroespacial (INTA)	Spain
Clara Violeta	Carvajal-Pérez	Instituto Nacional de Técnica Aeroespacial (INTA)	Spain
Margarita	Yela	INTA	Spain
Lucas	Alados-Arboledas	Universidad de Granada	Spain
Andrea	Casans Gabasa	Universidad de Granada	Spain
Adolfo	Comeron	Universitat Politècnica de Catalunya	Spain

Alejandro	Rodríguez-Gómez	Universitat Politecnica de Catalunya (Barcelona, Spain)	Spain
Maria	Fernández- Amado	University of A Coruña	Spain
Juan Luis	Guerrero- Rascado	University of Granada	Spain
Gloria	Titos	University of Granada	Spain
Elena	Bazo	University of Granada	Spain
Carlos	Toledano	University of Valladolid	Spain
Anna Maria	Johansson	Independent	Sweden
Erik	Ahlberg	Lund University	Sweden
Adam	Kristensson	Lund University, Lund, Sweden	Sweden
Erik	Swietlicki	Lund University, Sweden	Sweden
Nataliia	Kozii	SLU	Sweden
Salomon	Eliasson	SMHI	Sweden
Radovan	Krejci	Stockholm University	Sweden
Leonard	Barrie	Stockholm University	Sweden
Stefan	Reimann	EMPA	Switzerland
Cuiqi	Zhang	ETH Zurich	Switzerland
Martine	Collaud Coen	Federal office of meteorology and climatology, MeteoSwiss	Switzerland
Maxime	Hervo	Meteoswiss	Switzerland
Martin	Gysel-Beer	Paul Scherrer Institut	Switzerland
Stelios	Kazadzis	PMOD World Radiation Center	Switzerland
Natalia	Kouremeti	PMOD/WRC	Switzerland
Akriti	Masoom	Postdoc, PMODWRC, Switzerland	Switzerland
David	Bell	PSI	Switzerland
Renaud	Matthey	University of Bern / MeteoSwiss	Switzerland
Herman	Russchenberg	Delft University of Technology	The Netherlands
Arnoud	Apituley	KNMI	The Netherlands
Arnoud	Frumau	tno	The Netherlands
Bas	Henzing	TNO	The Netherlands

Xinya	Liu	University of Groningen, the Netherlands	The Netherlands
Hugo	Ricketts	NCAS/University of Manchester, United Kingdom	United Kingdom
Christopher	Walden	UKRI Chilbolton Observatory	United Kingdom
Jan	Kaiser	University of East Anglia	United Kingdom
Detlef	Mueller	University of Hertfordshire	United Kingdom
Beth	Nelson	University of York	United Kingdom
Elena	Lind	NASA	USA

2.4 Action Items

Introduction

09:00-09:15 EEST

Presentation given by ACTRIS Interim Leader Eija Juurola.

Developing RI Operations

09:30-10:15 EEST

Presentation given by Lucia Mona, Ulla Wandinger and Doina Nicolae.

Questions / Comments / Action items

- A discussion about recruitment of expert staff takes place. Especially for the Data Centre it is difficult to find staff as potential candidates typically have many other opportunities. It is necessary to improve day-to-day communication with other experts that will increase one's know-how and capacities. Flexibility in the work is needed and very appreciated. ACTRIS competes with the high technology field and the private sector with a high salary level. Recruitment can be challenging. It is important to monitor what the salary level is that will keep the staff satisfied.
- Having fun and feeling like contributing to something important are the crucial motivations for work, and we need to use ACTRIS Weeks and other community meetings to build and maintain the community and this feeling of having fun together.

ACTRIS Data Centre: implementation and future developments

10:45-11:30 EEST

Presentation given by Cathrine Lund Myhre.

Questions / Comments

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- Data Centre readiness to take onboard mobile platform data varies between the units and also depends on the type of data. Data Centre is working with the microsensors data as well (also moving data).
- The developed ACTRIS vocabulary needs to be well communicated to other communities and take their needs into consideration. Otherwise, we are developing our own vocabulary that differs from that which others use.

User Interactions

11:30-12:15 EEST

Presentation given by Rosa Petracca and Sabine Philippin.

Action items / Comments:

- The big challenge now is to develop the ACTRIS Access Program managed by ACTRIS ERIC. There is a need to discuss the different funding schemes and sustainability of the funding. This is ongoing already.
 - ITINERIS project (Italian national project) as a test case on how to involve national key players as funders of ACTRIS operations. Framework agreements with CFs are needed now. Those who want to be involved should communicate with Rosa Petracca concerning the willingness to participate.
- Clearer presentation of ACTRIS user base and different user types is needed, preferably in a visual format (visual KPI?). Information has existed already since 2016.
 - PASS information is crucial and needs to be collected in the future as well.
 - Data is traceable if it has a DOI.
 - The KPI of the cooperation with the private sector could be the number of co-publications between the private sector and scientific community.
- PASS should include all the ACTRIS services and not only ATMO-ACCESS calls. This is the next development.
- Scientific excellence is the key in peer-review when evaluating TNA requests, but it was proposed that the service provider could be invited to the selection committee if it is not too complicated.
- It is important to remember that ACTRIS is serving a large community, and this need to be underlined for the funders in order to obtain long-term funding.

Number of the remote participants in the morning session: 46.

ACTRIS and society – how grand challenges are perceived by the general public 13:15-14:00 EEST

Presentation given by Sevastianos Mirasgedis.

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- It is important to take into account the different views between countries on the role / responsibility of the state / individual people.
- Effort should be put to the communication towards society and general public to make ACTRIS more visible this is a common task of EU Ris.

Future perspective of ACTRIS beyond IMP

14:00-14:45 EEST

Presentation given by Eija Juurola and Giulia Saponaro.

- In addition to financial sustainability of ACTRIS, the plan to assess environmental sustainability and the promotion of the more sustainable ways of doing research within ACTRIS are also important.
- Please answer to the survey: *uncovering ACTRIS impacts*
 - o <u>https://forms.gle/Drt6keRCwZg9etxR6</u>

ACTRIS NF Strategy

15:15-15:45 EEST

Presentation given by Niku Kivekäs.

- Guidelines/processes for describing the best ways to get connected with institutes outside of ACTRIS and outside of Europe (e.g., in China) are needed.
 - This is work in progress but will take some time.
 - Associate partnership programme is one form of making a visible connection.
 - ACTRIS is open, and anyone can sign up for ACTRIS email lists and participate in ACTRIS meetings (such as the ACTRIS Week).
 - Associate Partnership Programme must be clearly devised so that it is useful and serves its purpose.
 - If ACTRIS services are needed, the users should contact SAMU.

SIAB Feedback

15:45-16:45 EEST

Presentations given by ACTRIS SIAB Chair Leonard Barrie.

- Please note the recent BAMS article that refers to ACTRIS: Global Atmospheric Composition Observations by Carmichael et al., 2023 (<u>https://doi.org/10.1175/BAMS-D-22-0016.1</u>).
- Operations and instrument development should go hand in hand.
- SIAB feedback is very much appreciated and will be taken into account.
 - Feedback on the Business Plan will be taken into account when preparing the next version and when making other documents which are meant for the outside communities.

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- The feedback related to the in-kind contribution is recognized within ACTRIS. ACTRIS ERIC financial committee will soon start its operations, and one of their tasks is to help develop guidelines for the in-kind contributions.
- ACTRIS should make some of the measured variables important to other measurementbased communities (e.g., air quality regulatory, weather).
- One of the ACTRIS goals is to go beyond European borders and to participate in harmonizing measurement standards on a global scale. The term "global RI" comes from the request of the European Commission for the RIs to connect on a global level.

Closing Remarks

16:45-17:00 EEST

Presentation given by Eija Juurola.

Number of the remote participants in the afternoon session: 48

2.5 Fourth General Assembly Meeting Minutes

The fourth ACTRIS IMP General Assembly took place on October 24th in Heraklion Greece during the ACTRIS IMP Final Meeting.

AGENDA

1. Opening of the meeting

Mikhail Paramonov opened the meeting at 09:07 EEST. The Agenda has been sent to all the Beneficiaries. The Agenda was approved.

2. Quorum and voting rights (For information)

30 of the 35 members of the General Assembly were represented. EMPA, UKRI, JRC, EULS and UKCEH 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 4th General Assembly meeting (Heraklion Greece 24.10.2023). Mikhail Paramonov was decided to chair the meeting.

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4. Project status report (For information)

The progress of ACTRIS IMP up to this point and the remaining processes was described and summarised. The Project has progressed very well, but many deliverables, including several crucial ones, still need to be submitted. If any questions arise relating to the remaining deliverables, please contact Mikhail Paramonov as soon as possible.

5. Reporting and financial aspects (For information)

Preliminary instructions were given and timelines set for the 3rd periodic reporting. Challenges addressed and additional instructions were also given. New person, Noora Waucomont, will be coordinating the ACTIRS IMP financial matters at FMI from 1.11.2023. The detailed reporting guidance and deadlines for the final reporting will be sent well in advance.

6. Division of possibly unused funds (For approval)

Coordinator proposes that the same principle as in ACTRIS PPP would be used to divide the possible unused funds.

- The unused funds will be divided for all that have reported extra costs in connection with the final payment.
- The amount is proposed to be relative to the Beneficiary's/LTP's initial total budget. As ACTRIS IMP requires in-kind work from many, this would reflect the budgeted work and not the amount of extra costs a Beneficiary/LTP reports. According to this approach, one will in most cases get a small extra amount that will not cover all of the in-kind work.
- E.g., in ACTRIS PPP the maximum was 1,6% more than one's total budget. If a Beneficiary/LTP reported extra costs that are less than 1,6% of its total budget, the extra costs were 100% compensated.
- This proposed calculation will be made without JRC as their final payment will be handled straight from the EC.
- If there are unused TNA funds, they will be divided with the same principle for those who have reported extra costs related to TNA activities as proposed by Sabine Philippin.

The suggested principles for the division of possibly unused funds were approved without any objections.

7. AOB

No other business.

8. Closing of the meeting

Mikhail Paramonov closed the General Assembly meeting at 09:22 EEST.

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