

The logo for ACTRIS CCRES features a stylized arch above the text. The arch is composed of a teal-to-blue gradient line on the left and a dark blue line on the right, which is intersected by a vertical dark blue line. Below the arch, the word "ACTRIS" is written in a large, bold, dark blue sans-serif font, and "CCRES" is written in a smaller, bold, dark blue sans-serif font below it.

# ACTRIS CCRES

**Introduction**  
Martial Haeffelin

*CCRES/CLU Spring Workshop, online, 1st and 2d of June 2026*

# Workshop agenda

June 1<sup>st</sup>, 9am - 12:15pm CEST

09:00 – 09:15	<b>Introduction and workshop agenda</b> <b>Presentation of the new CCRES Unit</b>	M. Haeffelin	15'
09:15 – 10:00	<b>Doppler Cloud Radar operational services</b> <ul style="list-style-type: none"><li>• DCR Calibration transfer campaigns (previous and future)</li></ul>	J-F. Ribaud (IPSL)	15'
	<b>Microwave Radiometer operational services</b> <ul style="list-style-type: none"><li>• Updates on MWR retrieval development</li></ul>	B. Pospichal, Tobias Marke (UCOL)	15'
	<b>Disdrometer operational services</b> <ul style="list-style-type: none"><li>• Disdrometer verification campaigns</li></ul>	J-C. Dupont (IPSL)	15'
10:00 – 10:15	<b>Housekeeping data monitoring</b>	M-A. Drouin (LMD/IPSL)	15'
10:15 – 10:30	<b>DCR DPOL calibration</b>	C. unal (TUD)	15'
10:30 – 10:45	<b>Break</b>		
10:45 – 11:15	<b>Labelling operational services</b>	J-F. Ribaud (IPSL)	30'
11:15 – 11:45	<b>New developments at CLU (CloudNet Data Centre)</b>	Simo Tukiainen (FMI)	30'
11:45 – 12:15	<b>EarthCARE : updates and future developments</b>	Felipe Toledo (LATMOS)	30'

# Workshop agenda

June 2<sup>d</sup>, 9am - 12pm CEST

09:00 – 09:30	<b>Feedback on CCRES/CLU services</b> : D. E. Constantin, I. Tsikoudi, M. Voiculescu, P. Seifert, A. Mereuta , A. Nemuc, C. Knist, J. A. Bravo Aranda, D. Moisseev, R. Adrian, D. Rossi, P. Poczta, L. Janicka.	All	30'
09:30 – 10:35	<b>New scientific and technical developments (1/2):</b> <ul style="list-style-type: none"> <li>- Identification of ice particle types using depolarisation observations (10')</li> <li>- Potential of multi-peak analysis of Doppler spectra from cloud radar and Doppler lidar (15')</li> <li>- Laser disdrometer calibration: a light on standards in Europe (15')</li> <li>- Vicarious Calibration of the 89 GHz Radiometric Channel of the RPG FMCW 94 Cloud Radar Using ERA5 reanalysis to improve the active and passive synergistic retrievals (10')</li> <li>- Questions (15')</li> </ul>	Dmitri Moisseev (Hyytiälä)  Martin Radenz and Felix Fritsch (TROPOS) Mario Montopoli (CNR-ISAC and Univ.L'Aquila/CETEMPS) and Luca Lanza (Univ.Genova) Davide Rossi (Univ. L'Aquila/CETEMPS)	65'
10:35 – 10:50	<b>Break</b>		
10:50 – 11:55	<b>New scientific and technical developments (2/2):</b> <ul style="list-style-type: none"> <li>- Vertical Structure and Seasonal variability of hydrometeors at different Cloudnet stations (10')</li> <li>- First 2 years of cloud characteristics at the ENEA Lampedusa Station for Climate Observation from Cloudnet retrievals (10')</li> <li>- Atmospheric stability and transport processes in the urban boundary layer from ground-based remote sensing profile observations – a heatwave case study (10')</li> <li>- Three-dimensional cloud analysis during the FLOWER campaign in Spain (10')</li> <li>- Investigating the Venturi Effect in Urban Airflows Using Doppler Lidar (10')</li> <li>- Questions (15')</li> </ul>	Anca Nemuc (INOE)  Giandomenico Pace (ENEA)  Martial Haeffelin (IPSL)  Matheus Tolentino da Silva (Univ. Granada) Iwona Stachlewska (Univ. Warsaw)	65'
11:55 – 12:00	<b>Concluding remarks</b>	Martial Haeffelin (IPSL)	5'

# CCRES activities

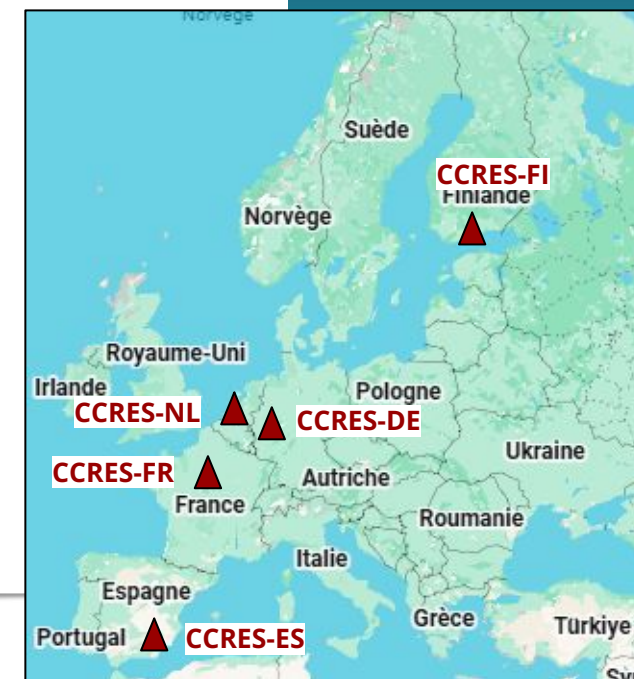
## In the past 6 months, CCRES focused on :

- Improving CRS NF support for Doppler cloud radar, Microwave Radiometer and Disdrometer operation and calibration
- Supporting CRS NFs in their labelling activities (3 NFs reached Step 1C, 3 others have been reviewed):
  - data submission, data availability, data quality, maintenance and calibration tracking, instrument housekeeping data monitoring, instrument upgrades
  - provision of feedback on NF operations
- Performing DCR calibration at 1 NF in Spain and 3 NFs in Romania
- Performing Disdrometer performance evaluation
- Improving MWR processing
- Working with CLU to improve this support (new online services)
- Planning and implementing enhanced Doppler cloud radar support (operation , calibration, data processing). → New activities, new CCRES unit.

# New CCRES Unit

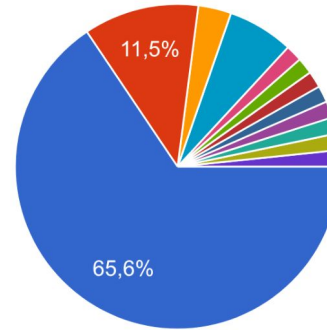
## Evolution of the CCRES consortium from 2027 on :

- **Withdrawal of the CCRES-NL unit** after 2028 : continuation of consultancy activities on RPG radar operations and maintenance in 2027
- **Integration of a new unit in 2027** : Granada (CCRES-ES), expertise in RPG DCR
  - development of Quality Assurance procedures and guidelines for RPG radar
  - contribution to Quality Control activities related to DCR
  - trainings on RPG radars
  - contribution to step1b performance evaluation



# Participants

Are you affiliated to  
61 réponses



- A CCRES NF
- A CCRES Unit
- Another CF Unit
- Head Office
- A manufacturer
- External to ACTRIS
- PANGEA is planned to be a CCRES N...
- Co-chair of ACTRIS NF Forum respon...

▲ 1/2 ▼

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PARTICIPANTS

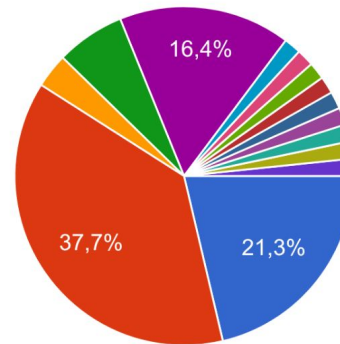
12

COUNTRIES

23

CRS NF REPRESENTED

Position  
61 réponses



- NF PI
- Expert Scientist
- Operator
- Data manager
- PhD student
- Post Doc
- project manager
- Scientific Head

▲ 1/2 ▼

# Participants

61

PARTICIPANTS

12

COUNTRIES

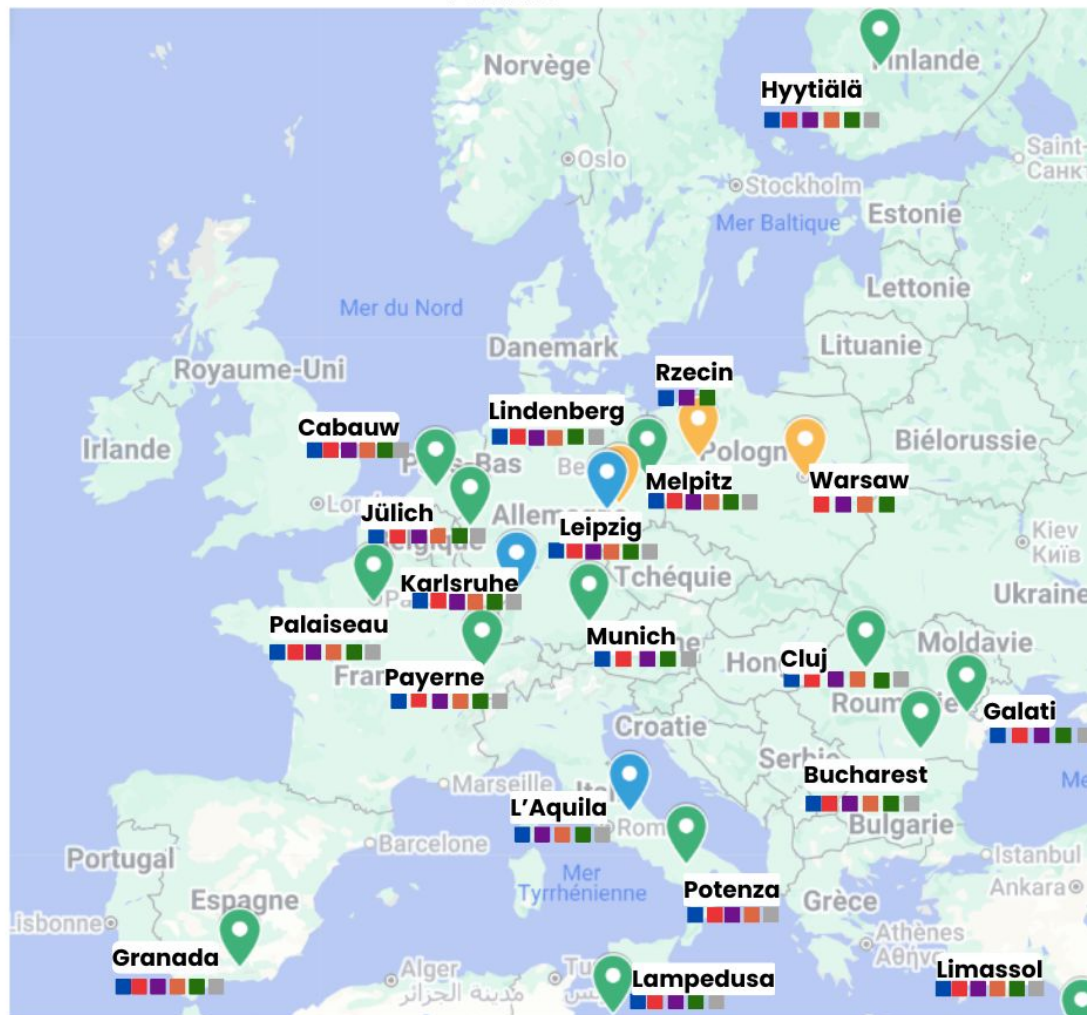
23

CRS NF REPRESENTED

<b>Cyprus</b>	CARO-Limassol
<b>Finland</b>	Pallas Hyytiälä
<b>France</b>	SIRTA OPAR
<b>Germany</b>	JOYCE MOL-RAO München KLOCX LACROS CVAO
<b>Greece</b>	PANGEA
<b>Italy</b>	CIAO Potenza Lampedusa UNIAQ/CETEMPS
<b>Netherlands</b>	Cabauw
<b>Poland</b>	Rzecin Warsaw
<b>Romania</b>	RADO-Bucharest RADO-Galati RADO-Cluj
<b>Spain</b>	AGORA
<b>Switzerland</b>	Payerne

# NF instrument diversity

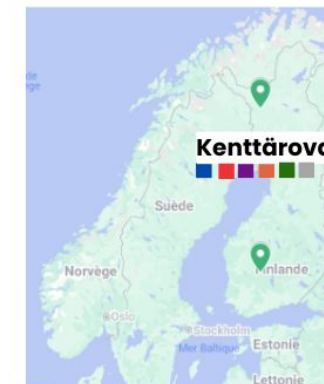
v 05.2026



- DCR
- MWR
- ALC
- DL
- Disdrometer
- Weather station
- 📍 ACTRIS CRS Labelling in progress
- 📍 ACTRIS CRS Labelling initiated
- 📍 ACTRIS CRS candidate



Cape Verde



Finland



La Réunion

# Access to CCRES/CLU web-based services

Website	Public	Purpose	Content
<b>ACTRIS EU</b> <a href="https://www.actris.eu/topic/actris-centre/ccres">https://www.actris.eu/topic/actris-centre/ccres</a>	<b>ACTRIS community</b>	Link with ACTRIS EU community	General information about ACTRIS and CCRES, communication and events
<b>CCRES Services</b> <a href="https://ccres.aeris-data.fr/">https://ccres.aeris-data.fr/</a>	Cloud Remote Sensing <b>National Facilities</b>	Access to CCRES operational services, technical website (working tool)	Resources and access to CCRES new operational services (SOPs, instrument calibration monitoring, housekeeping data, monthly data quality analyses, documentation on services..)
<b>CloudNet</b> <a href="https://cloudnet.fmi.fi/">https://cloudnet.fmi.fi/</a>	<b>All CloudNet users</b> (NFs, Scientists)	Access to data	Data processing and curation service for ground-based cloud remote sensing measurements. Includes CLU services and some CCRES services (e.g. instrument database).

# Calendar 2025-2026

CCRES events  
ACTRIS events  
Other events

## 2026

- MAY** • **BASTA CCRES calibration campaign** in Bucharest, Romania : May to June 2026
- JUNE** • **Training RPG radars at Cabauw** : 17 to 19th of June 2026
- AUGUST** • **ERAD in Belgrade, Serbia : 24 to 28th of August 2026**
- SEPTEMBER** • **EUTMETSAT Meteorological Satellite Conference in Darmstadt, Germany** : 21 to 25th of September 2026
- OCTOBER** • **Meteorological Technology World Expo co-located with WMO TECO conference in Amsterdam, The Netherlands** : 6 to 8th of October 2026
  - **BASTA CCRES calibration campaign in Payerne, Switzerland** : Autumn 2026
  - **ACTRIS Week 2026 in Katowice, Poland** : 13 to 23d October 2026
- NOVEMBER** • **E-Profile ET meeting in Toulouse, France** : 3 to 4th of November 2026



Thank you !