



## Agenda

Martial Haeffelin, Camille Bonnet

***CCRES Workshop, SIRTA observatory – Nov 14-15<sup>th</sup>, 2022***



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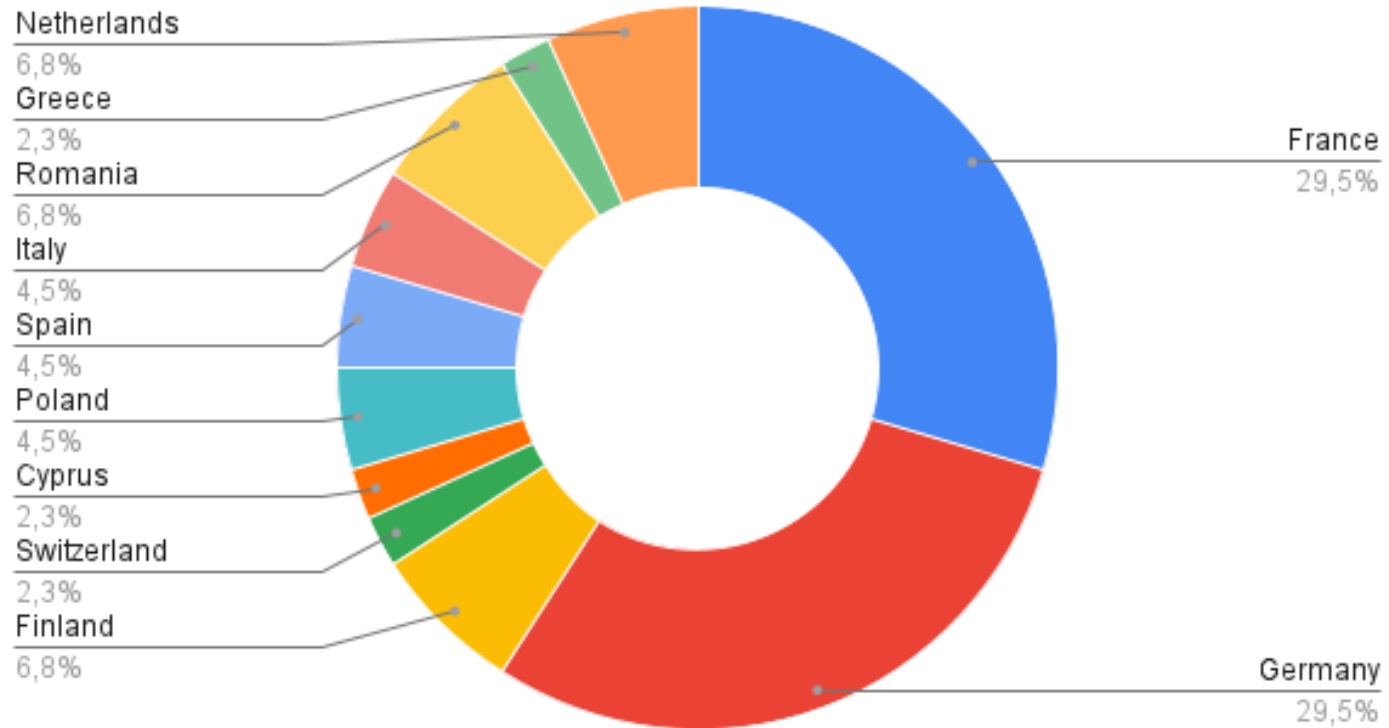
# Participants

44 participants

11 countries

14 CRS NF represented

Number of participants by countries





**44 PARTICIPANTS**

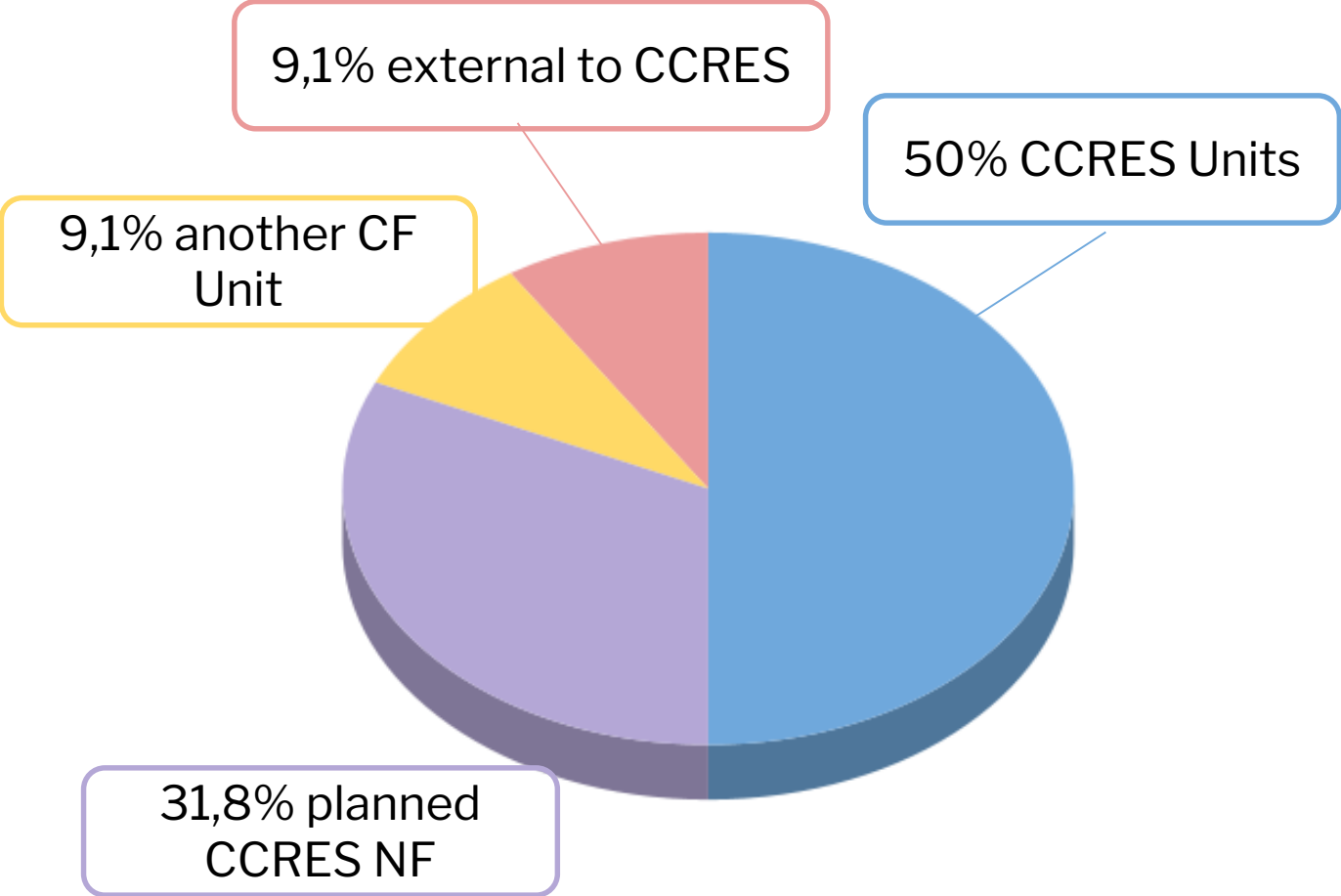
22 from CCRES Units

14 from a planned CCRES NF

4 from another CF Unit

4 are external to CCRES or ACTRIS

# Participants



# Agenda Day 1 - Morning

08:30-09:00	<b>WELCOME COFFEE</b>		30mns
09:00-09:15	Introduction and CRS workshop planning	Martial Haeffelin	15
09:15-10:30	Housekeeping Data	Marc-Antoine Drouin	30
	Cloudnet data portal update	Simo Tukiainen	30
	Current updates of Cloudnetpy	Hannes Griesche	15
10:30-11:00	<b>BREAK</b>		
11:00-12:15	Aerosol-cloud interaction using the multi-instrumental approach	Ravi Kiran	15
	Boundary layer characterization based on stability and turbulence measurements	Andréa Burgos-Cuevas, Tobias Marke	15
	Boundary layer height detection based on different atmospheric quantities	Simone Kotthaus, Mélanie Van Hove	15
	Discussion: towards BL characterization / height products	All	15
	Results about DCR absolute calibration	Felipe Toledo	15
12:15-14:00	<b>LUNCH BREAK</b>		



# Agenda Day 1 - Afternoon

Zoom links	<a href="#">Breakout 1</a>	<a href="#">Breakouts 2 and 3</a>	
14:00-15:30	Breakout 1 : ACTRIS ALC preprocessing for CARS and CCRES products  Simone Kotthaus, Melania Van Hove	Breakout 2: Operational 3D-wind retrievals from scanning Doppler lidar and Doppler cloud radar  Bernhard Pospichal	1h30
15:30-16:00	<b>BREAK</b>		
16:00-17:30	Breakout 1: continued	Breakout 3: Overview and plans towards implementation of MWR processing  Tobias Marke	1h30
19:00	<b>SOCIAL DINNER AT</b> <b><a href="#">MAMA KITCHEN CAFFÈ</a></b> <b>106 avenue de Paris</b> <b>91300 MASSY</b>		



# Breakout Sessions

## ALC processing breakout

- Short overview on advanced products to be derived from ALC within CARS, CCRES, RI-URBANS
- ALC processing required to derive quality attenuated backscatter profiles from diverse sensor networks (artefacts, overlap, calibration)
- Open discussion: strategy for implementation of ALC processing procedures (corrections, calibrations, advanced products) in ACTRIS data centres

## Operational 3D-wind retrievals from scanning Doppler lidar and Doppler cloud radar

- Presentation about wind profiles from DL + DCR developed at JOYCE
- Suggestions for implementation of this product at ACTRIS NF
- Discussion about ABL classification from DL + MWR (following the talk of Andrea Burgos-Cuevas in the morning)
- Optionally further discussions on DL processing

## Overview and plans towards implementation of MWR processing

- presentation on new MWR processing software
- presentation about MWR calibration / uncertainties
- discussion round with a focus on data flow and software implementation in CLU



# Agenda - Day 2

08:30-09:00	<b>WELCOME COFFEE</b>		30
09:00-11:30	Hands-on training: Disdrometer operation implementation	Jean-Charles Dupont	2h30
		Lukas Pfitzenmaier	
		Gionata Ghiggi	
		Marc Schleiss	
		Marc-Antoine Drouin	
Antoine Gibek			
11:30-12:00	CRS NF Labelling	Martial Haeffelin	30
12:00-12:45	Conclusions from breakout sessions synthesis	Each group	10mns each
12:45-13:45	<b>LUNCH BREAK</b>		
14:00-15:00	Next workshop objectives and next steps, milestones, deliverables	Martial Haeffelin	1h
15:00	<b>END OF WORKSHOP</b>		



# Disdrometer operation implementation

1. Technical set-up requirement for Doppler Cloud Radar, DisDrometer and Weather Station ;
2. Acquisition / configuration requirement for DCR, DD and WS ;
3. Local storage at NF and transfer to Central CLU Data Center ;
4. Formating and resampling of raw datasets into one netcdf file in CLU DC ;
5. Good event criteria for DCR calibration constant monitoring
6. Examples of NRT QL
7. Examples of long time series
8. Examples of statistics







**Thank you**