

2025 MicrowAve Monitoring of WATer with Applications (MAMI WATA)

Course program



Day 1 November 18th 2025

| Time (UTC+1) | Session Title | Lecturer | Affiliation |
|--------------|--|-------------------------|---|
| 8:30-9:00 | Opening session & welcome remarks | C.Zuffada / N.Pierdicca | |
| 9:00-10:30 | Session 1.1: <i>GNSS Reflectometry for Earth Remote Sensing</i> | Cinzia Zuffada | California Institute of Technology (USA) |
| | | Estel Cardellach | Scuola superiore di studi avanzati, Sapienza University of Rome (Italy) |
| 10:30-11:00 | Coffee Break | | |
| 11:00-12:30 | Session 1.2: <i>GNSS Reflectometry for Earth Remote Sensing: Applications to surface water</i> | Estel Cardellach | ICE-CSIC Institute of Space Sciences (Spain) |
| | | Cinzia Zuffada | California Institute of Technology (USA) |
| | | | Scuola superiore di studi avanzati, Sapienza University of Rome (Italy) |
| 12:30-13:30 | Lunch break | | |
| 13:30-15:00 | Session 2: <i>Satellite Nadir Radar Altimetry for Inland Waters</i> | Marco Restano | Starion Group c/o European Space Agency - ESRIN (Italy) |
| 15:00-15:30 | Coffee Break | | |
| 15:30-16:30 | Session 3.1: <i>Monitoring flood impacts on agriculture in emergency humanitarian context</i> | Andrea Amparore | FAO - Food and Agriculture Organization of the United nations (Italy) |
| | Session 3.2: <i>Historical analysis of the impacts of floods on agriculture in Sudan</i> | H.Sabzchi Dehkharghani | FAO - Food and Agriculture Organization of the United nations (Italy) |
| 16:30-17:00 | Q&A / Discussion / Buffer | | |
| 17:00-19:00 | Welcome cocktail - icebreaker session | | |

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Day 2 November 19th 2025

Time (UTC+1) Session Title

8:30-10:00 Session 4: Principles of SAR-based flood mapping

Lecturer

Marco Chini

Affiliation

LIST-Luxembourg Institute of Science and Technology

10:00-10:30 Coffee Break

10:30-12:00 Session 5: Use of SWOT HR products for hydrology applications

Roger Fjørtoft

CNES - Centre national d'études spatiales (France)

12:00-13:30 Session 6: Flood hazard assessment: a review of principles, data sources, models and open questions

Giorgio Boni

DICCA - Department of Civil, Chemical, and Environmental Engineering ,
University of Genoa (Italy)

13:30-14:30 Lunch break

14:30-16:00 Session 7: Mechanisms and Services for SAR-based Flood Mapping

Sandro Martinis

DLR - Deutsches Zentrum für Luft- und Raumfahrt (German Aerospace
Center) (Germany)

16:00-16:30 Coffee Break

16:30-18:00 Session 8: Q/A and discussion

All

18:00-18:15 School closing remarks

C.Zuffada / N.Pierdicca