



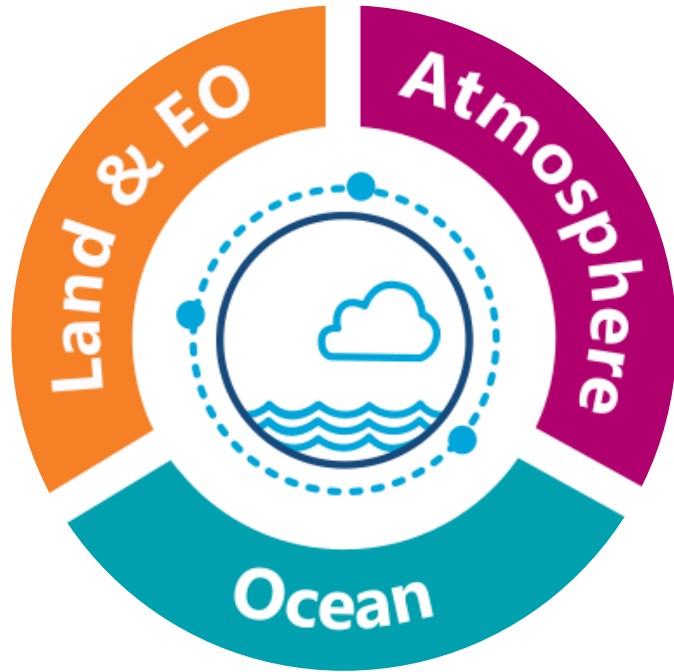
METROLOGY RECOMMENDATIONS TO THE BIPM-WMO METROLOGY FOR CLIMATE ACTION WORKSHOP

Emma Woolliams

EUROPEAN
METROLOGY
NETWORKS



EMN STRUCTURE

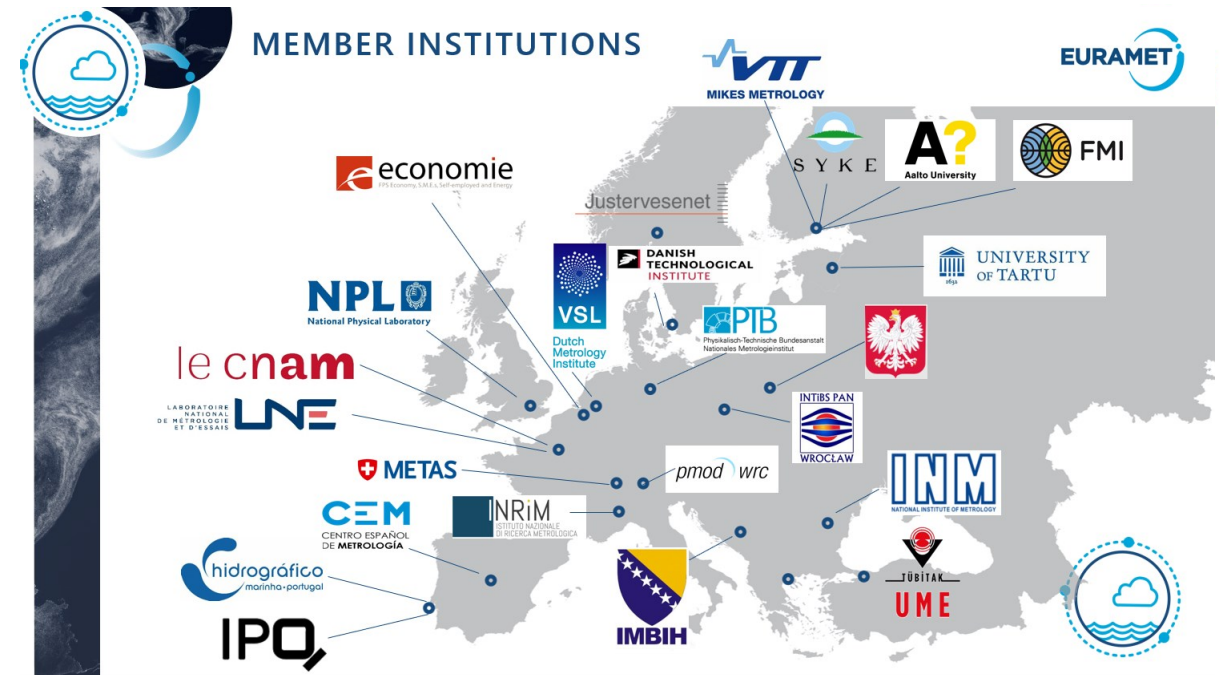


Chair: Emma Woolliams

Atmosphere Section co-chair: Céline Pascale

Ocean Section co-chair: Paola Fiscaro

Land and EO Section co-chair: Nigel Fox



Brings together Europe's metrology institutes

- Opportunity for collaborative, metrology-focussed research programmes
- European NMIs encouraged to tune their research programmes to EMN strategic research agenda



METROLOGY FOR CLIMATE ACTION

26–30 SEPTEMBER 2022

Bureau
International des
Poids et
Mesures



WORLD
METEOROLOGICAL
ORGANIZATION



What?

- Five-day online workshop of plenary sessions, papers, posters, and working groups to develop BIPM/WMO recommendations for key technical challenge areas for metrology over the next decade

Who for?

- Experts and stakeholders active in climate science, observations, modelling, GHG mitigation and measurement, and measurement science

Why attend?

- Opportunity to present your latest research findings
- Opportunity to influence BIPM/WMO recommendations for the direction of future metrology activities

How?

- Registration at www.bipmwmo22.org



WORKSHOP STRUCTURE



Theme 1: climate science

- Atmospheric chemistry and physics
- Oceans and Hydrology
- Earth Energy Balance
- Biosphere
- Cryosphere

• Theme 2: GHG emissions

- Atmospheric composition measures
- QC and bottom-up modelling of emissions across sectors
- Integrated approaches for operational GHG monitoring
- Novel GHG and flux monitoring methods
- Remote sensing of GHG concentrations linkage to emissions





BIPM-WMO WORKSHOP PROCESS



Monday: High level plenary presentations

Tuesday / Wednesday: Gathertown virtual poster fair

Thursday / Friday: Topic groups discuss recommendations in Zoom calls

Friday: Summarising recommendations



Output: Published list of formal recommendations

#	Scope	Significance and Cost	Need	Recommendation	Recommendation origin
1.0	[Symbols]	[Symbols]	[Who] needs [what] because [why].	[community] does [what] {[by when/over what timescales]}	[Reference to workshop presentation, <u>discussion</u> or previous event]





WHERE IS MORE COLLABORATION / RESEARCH NEEDED?



Ideas from this IVOS meeting can be presented at the BIPM-WMO event

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