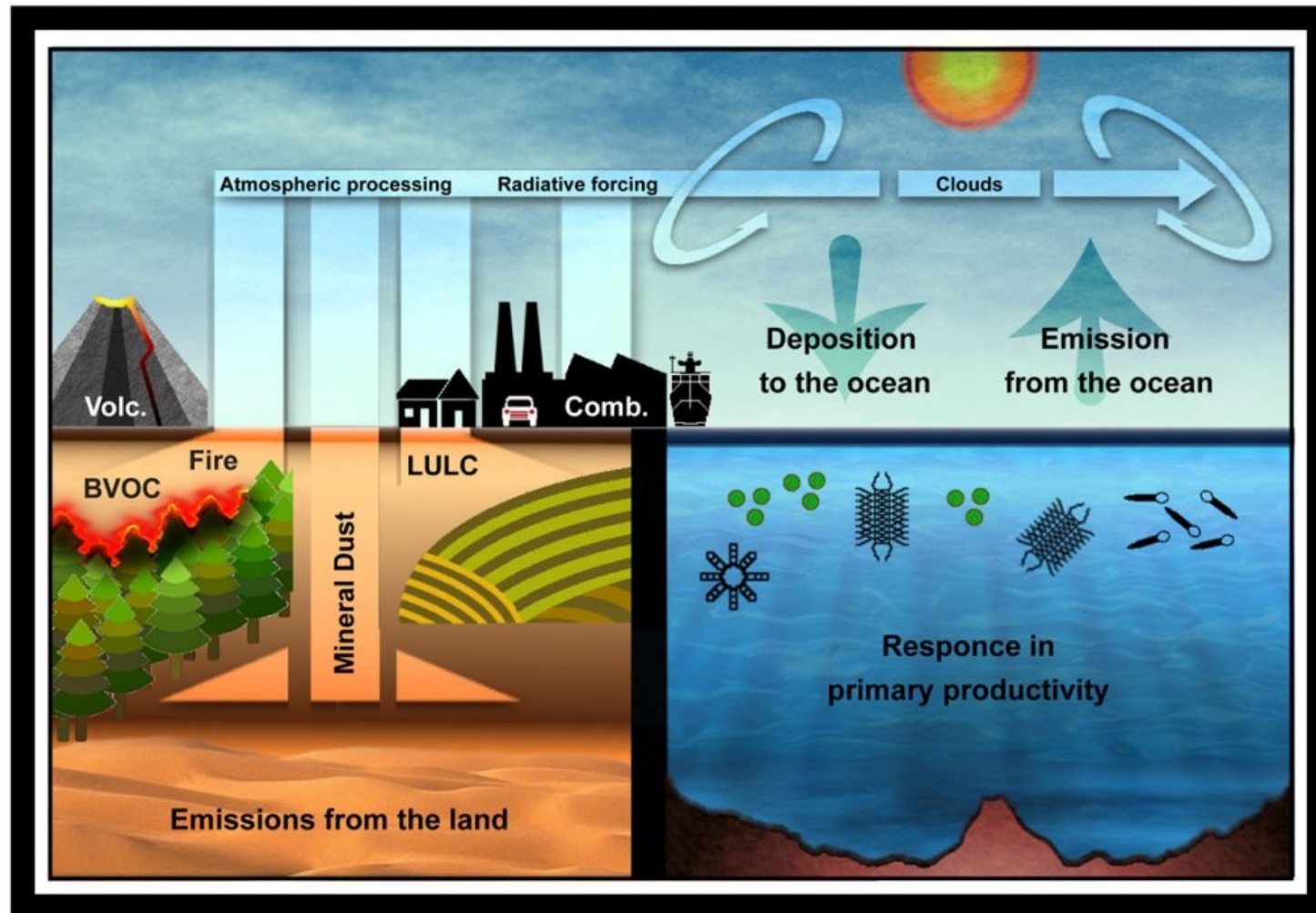


Working Group 167 - RUSTED

Reducing Uncertainty in Soluble aerosol Trace Element Deposition

Morgane M.G. Perron, Rachel Shelley, Douglas S. Hamilton, Akinori Ito

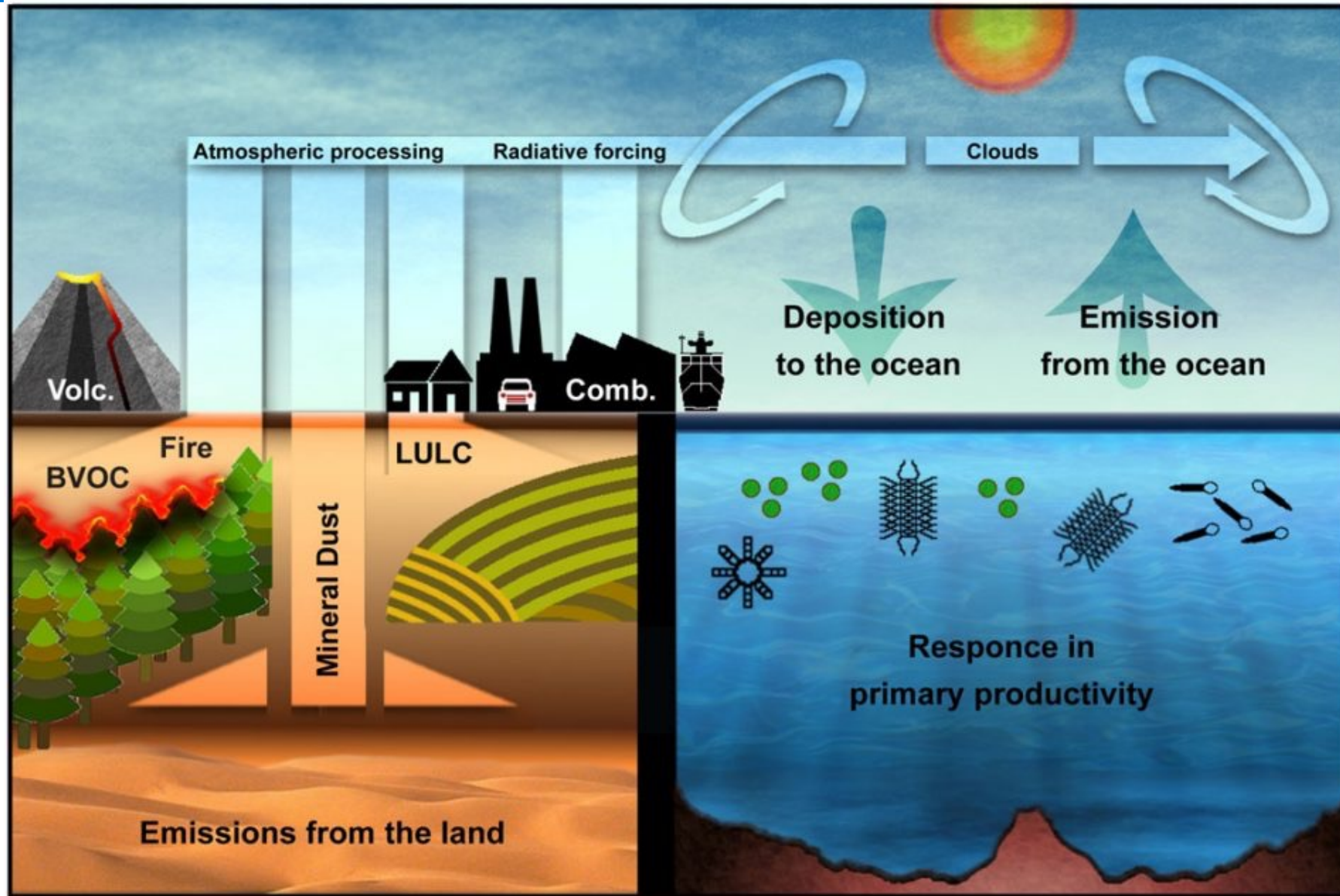


Reducing Uncertainty in Soluble aerosol Trace Element Deposition

Presentation

Outreach

Work in progress



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TERMS OF REFERENCE - ToRs

ToR 1

Literature : Identify knowledge gaps in linking aerosol geochemistry with micronutrients solubility in the ocean

ToR 2

Assessment : Aerosol trace element solubility protocol intercomparison study

ToR 3

Tools and chemical tracers to better understand aerosol Fe solubility

ToR 4

Numerical Models : from data incorporation to informing future studies

Key deliverables



Full Members

Name	Gender	ECR	Affiliation
Douglas Hamilton	N/Binary	Yes	North Carolina State University
Morgane Perron	F	Yes	LEMAR
Akinoro Ito	M	No	JAMSTEC
Hind Al-Abadleh	F	No	Wilfred Laurier University
Tung-Yuan Ho	M	No	Academia Sinica
Diego Gaiero	M	No	National University of Cordoba
Cassie Gaston	F	Yes	RSMAS/University of Miami
Ashwini Kumar	M	No	CSIR-National Institute of Oceanography
Ying Ye	F	Yes	Alfred Wegener Institute
Mingjin Tang	M	No	GIGCAS
Rachel Shelley	F	No	University of East Anglia

Associate Members

Name	Gender	ECR	Affiliation
Holly Winton	F	Yes	Victoria University of Wellington
Andrew Wozniak	M	No	University of Delaware
Joo-Eun Yoon	F	Yes	University of Cambridge
Yeala Shaked	F	No	Hebrew University of Jerusalem
Nicholas Meskhidze	M	No	North Carolina State University
Peter Croot	M	No	Irish National University, Galway
Cecile Guieu	F	No	LOV
Susanne Fietz	F	No	Stellenbosch University
Andy Bowie	M	No	University of Tasmania
Alex Baker	M	No	University of East Anglia

15 countries - 30% ECR - 45% women

Referee : Marie-Alexandrine Sicre

RUSTED

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- RUSTED member meetings - All hands : 2 virtual and 2 hybrid
 - Co-chair hair : 4 virtual
- RUSTED first hybrid meeting : SCOR funding used to support the onsite participation of 2 Global South members.
- RUSTED advertised
 - . SOLAS Open Science Conference, South Africa, September 2022.
 - . Newsletters : SCOR, SOLAS, GEOTRACES and IIOES-2, late 2022
 - . ASLO Aquatic Sciences Meeting, Spain, June 2023 : 1 session (six talks, six posters), 1 Town Hall
 - . Eos 'Opinion' article.

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RUSTED Members

Inter-Comparison

Mingjin T.

Database

Douglas H. / Alex B.

Capacity building

Ashwini K.

Literature Review

Morgane P.

Modelling

Akinori I.

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Mingjin T.

All data
submitted by
end 2023

Interpretation
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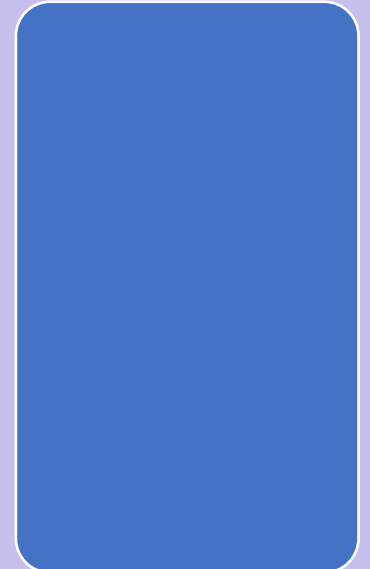
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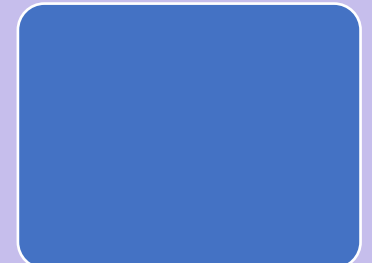
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Evaluation

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