

Why the Global South should lead on SRM evaluation

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Solar geoengineering is fraught with risks and can never be an alternative to mitigation. But it's unclear whether the risks of solar geoengineering are greater than the risks of breaking the 1.5C warming target. As things stand, politicians will face this dismal dilemma within a couple of decades. It is right, politically and morally, for the global south to have a central role in solar-geoengineering research, discussion and evaluation

Rahman A, Artaxo P, Kassaye A, Parker A, Ghosh A, Moore J, Suleri A, Lefale P, Torto N, Lasco R, Dasgupta T. Nature 556, April 2018

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SRMGI Outreach Workshops

Kenya, Nairobi June 2017

China, Beijing May 2017

Philippines, Manila March 2017

Thailand, Bangkok March 2017

Bangladesh, Dhaka February 2017

Pakistan, Islamabad December 2016 **India**, Delhi November 2016

Caribbean Academy of Sciences

November 2016

Brazil, São José dos Campos

November 2016

Jamaica, Kingston

July 2016

Ethiopia, Addis Ababa

January 2013

South Africa, Johannesburg

November 2012

Senegal, Dakar June 2012

Pakistan, Islamabad November 2011

China, Tianjin October 2011

India, Delhi October 2011

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Brazil workshop - INPE - 2016







The unintended side effects of an SRM research programme

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SRMGI Solar Radiation Management Governance Initiative

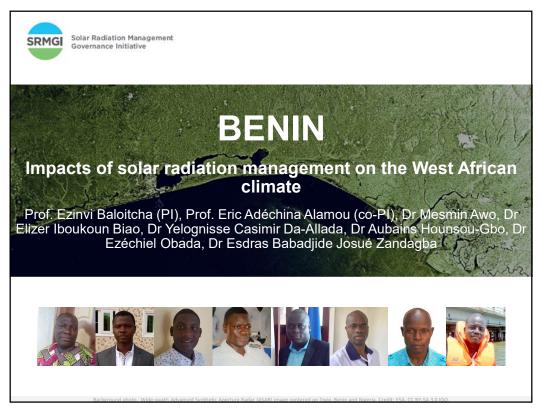
SRM impacts on the spread of malaria and cholera

Dr Md. Shafiul Alam (PI), Ms Sobiya Aziz Badat, Prof. Shweta Bansal, Dr Colin
Carlson, Prof. Rita Colwell, Mr Md. Sharif Hossain, Mr Md. Mofizur Rahman, Dr Md.
Feisal Rahman, Prof. Alan Robock, Dr Christopher Trisos

BANGLADESH

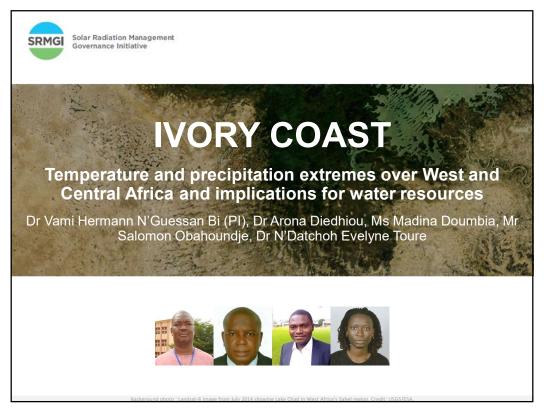


Background photo: Sundarbans, Bangladesh, Credit: contains modified Copernicus Sentinel data (2016), processo















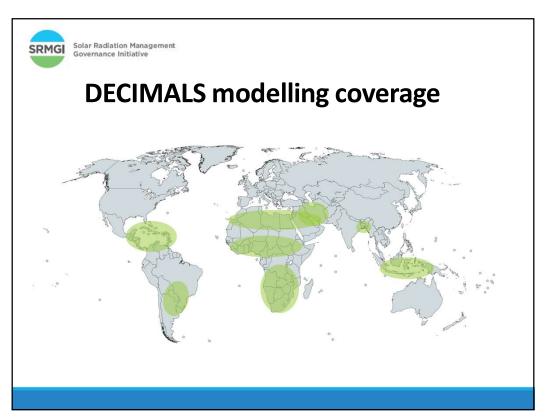
DECIMALS research collaborators

- Olivier Boucher (Institut Pierre-Simon Laplace)
- Peter Irvine (Harvard)
- Ben Kravitz (Indiana)
- Doug MacMartin (Cornell)
- John Moore (Beijing Normal University)
- Helene Muri (Norwegian University of S&T)
- Simone Tilmes (NCAR)
- Lili Xia (Rutgers)

Plus Alan Robock (Rutgers) is working on the Bangladesh team



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How does this relate to Latin America?

- 626M people
- A range of pecific climate threats
- Few SRM experts
- · Little SRM discussion to date
- See modelling map on impacts
- More partnerships needed to expand the conversation

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Thank you!

