

Global Emissions Initiative

<http://www.geiacenter.org/>



Cathy Liousse

GEIA Co-Chair

Laboratoire d'Aérodologie, CNRS, Toulouse, France

Brian McDonald

GEIA Co-Chair

NOAA/Chemical Sciences Laboratory, Boulder, CO, USA

Claire Granier

GEIA Database Manager

NOAA/Chemical Sciences Laboratory, Boulder, CO, USA

University of Colorado/CIRES, Boulder, CO, USA

Laboratoire d'Aérodologie, Toulouse, France

Paulette Middleton

GEIA Network Manager

Panorama Pathways, Boulder, CO, USA

- Founded in 1990
- Community initiative
- Bridging science, society and policy
- Bringing together people, data, and tools
- Creating and communicating emissions information
- Key forum for emissions knowledge
- Serving stakeholders in rapidly evolving global society

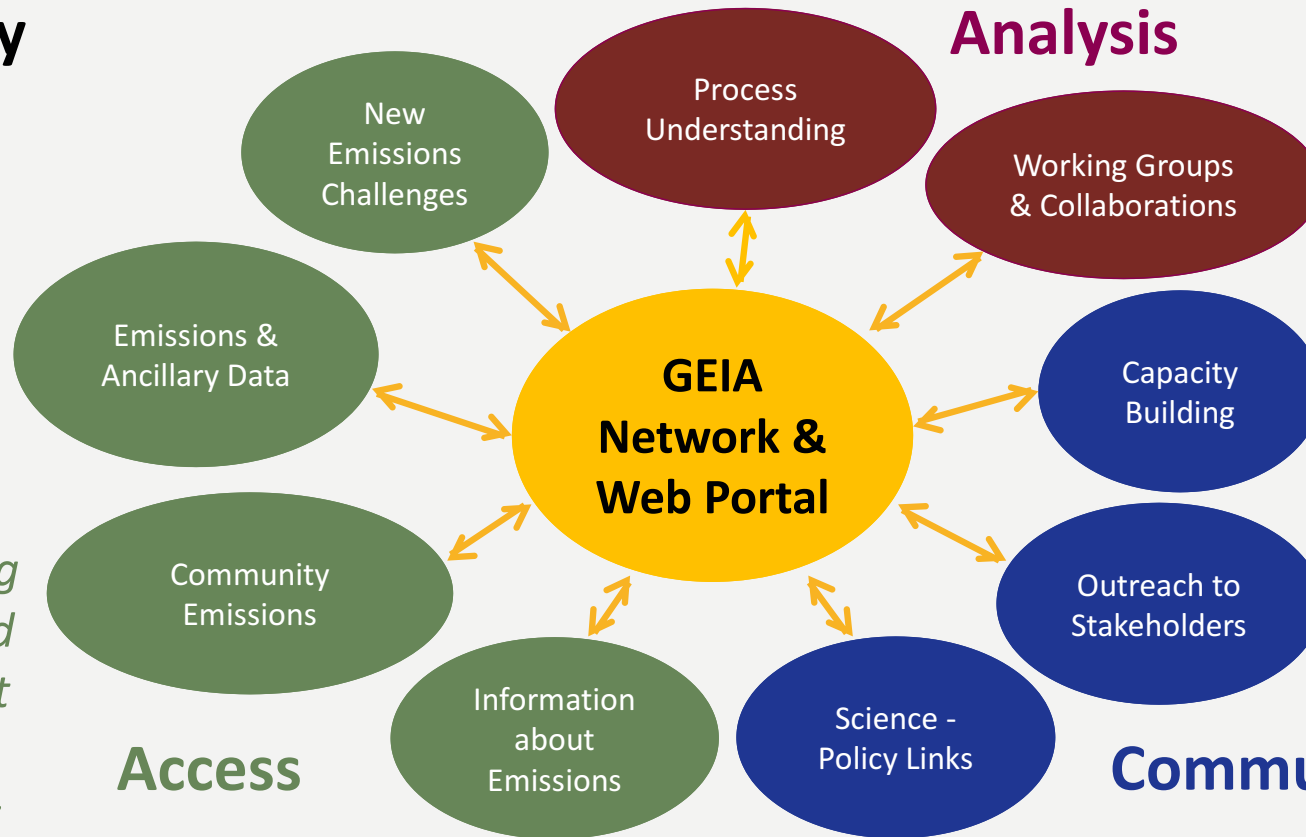




GEIA Core Plans



activity



*Building the scientific basis for emissions data by enhancing **analysis** of emissions processes*

*Promoting broad and consistent **access** to emissions information*

*Strengthening the **community** of emissions stakeholder groups*

- *Actions and decisions about the atmosphere focus on emissions*
- *We are in the Century of Accountability*
- *GEIA serves science and society*



Community

Network



Real time GEIA users

(Blue points represent GEIA SSC member locations)

GEIA Scientific Steering Committee

Alexander Baklanov (*Switzerland*)
Beatriz Cardenas (*Mexico*)
Hugo Denier van der Gon (*The Netherlands*)
Gregory Frost (*USA*)
Claire Granier² (*France, USA*)
Marc Guevara (*Spain*)
Nicolas Huneus (*Chile*)
Greet Janssens-Maenhout (*Italy*)
Monica Crippa (*Italy*)
Johannes Kaiser (*Germany*)
Terry Keating (*USA*)

Sekou Keita (*Côte d'Ivoire*)
Zbigniew Klimont (*Austria*)
Catherine Liousse¹ (*France*)
Brian McDonald¹ (*USA*)
Paulette Middleton³ (*USA*)
Katerina Sindelarova (*Czech Republic*)
Allison Steiner (*USA*)
Leonor Tarrasón (*Norway*)
Erika von Schneidemesser (*Germany*)
Yuxuan Wang (*China*)

¹ Co-Chair ² Database Manager ³ Network Manager

ACCESS to emissions : the ECCAD data portal

<http://eccad.aeris-data.fr/>



ECCAD, GEIA's emissions data portal, provides consistent access to inventories and ancillary data with easy-to-use tools for analysis and visualization, to serve scientific research & assessment efforts.

Analysis of emission : GEIA working groups

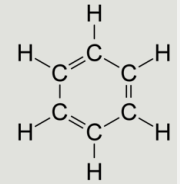
China Emissions WG (Contacts: K. He, Q. Zhang, Y. Wang)

- Improving scientific basis for Chinese emissions
- Sharing results between Chinese research groups
- 36 papers in ACP's East Asian Emissions Assessment



VOC Emissions WG (Contacts: E. von Schneidemesser, H. Denier van der Gon)

- Improving global understanding of VOC emissions
- Leveraging on-going inventory development, measurements, modelling
- Evaluating megacity VOC emissions speciation and sources



Latin America/Caribbean Emissions WG (Contacts: N. Huneus, L. Dawidowski, N. Rojas)

- Developing and evaluating LAC-specific emissions information
- Creating LAC regional emissions database and inventory
- Building LAC emissions expert community linked to global efforts



Urban Emissions WG (Contacts: L. Tarrasón)

- Leveraging techniques for urban emissions characterization
- Building capacity in megacities around the world



Africa Emissions WG (Contacts: C. Leal-Liousse, S. Keita, M. Naidoo)

- Creating a network of experts on African emissions
- Evaluating African-specific emission inventories
- Creating a regional database (fuel consumption, emission factors and inventories) and a continental wide African emission inventory



COVID19 WG (Contacts: M. Guevara, B. McDonald)

- Creating a network of experts on the quantification of COVID-19 emissions
- Providing guidance for the compilation of COVID-19 emission inventories.
- Developing and evaluating a mosaic of global and regional COVID-19 emission adjustment factors to quantify emission changes and perform modelling studies





Events

19th GEIA conference :

June 23, 2020

Virtual conference

Hosted by the University of Chile

<https://youtu.be/dCa7PrMaO8k>

GEIA session in IGAC virtual conference

Sept. 14, 2021

9 oral presentations and 57 posters

<http://www.geiacenter.org/community/geia-conferences/geiaigac2021>

GEIA session in AGU conference

Sept. 14, 2021

16 oral presentations and 22 posters

<http://www.geiacenter.org/community/geia-conferences/geiaagu2021>

GEIA session in HTAP conference

May. 17, 2022

20th GEIA conference :

June, 21-23, 2023

Hosted by Royal Belgian Institute for Space Aeronomy

Belgium

You are welcome to join the GEIA Network at this address to receive all the GEIA notices

<http://www.geiacenter.org/>