Global Emissions InitiAtive
http://www.geiacenter.org/

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- Founded in 1990
- Community initiative
- Bridging science 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
Core Activities

GEIA Network & Web Portal

Analysis
- Building the scientific basis for emissions data by enhancing analysis of emissions processes
- Working Groups & Collaborations
- Process Understanding
- Capacity Building
- Outreach to Stakeholders
- Science - Policy Links

Community
- Strengthening the community of emissions stakeholder groups
- Community Emissions
- Emissions & Ancillary Data
- New Emissions Challenges
- Information about Emissions

Access
- Promoting broad and consistent access to emissions information
- Community
- Outreach to Stakeholders
- Capacity Building

Promoting broad and consistent access to emissions information

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

Network

2000 people worldwide

Real time GEIA users
(Blue points represent GEIA SSC member locations)

Scientific Steering Committee

Alexander Baklanov (Switzerland)
Beatriz Cardenas (Mexico)
Hugo Denier van der Gon (The Netherlands)
Gregory Frost¹ (USA)
Claire Granier² (France, USA)
Marc Guevara (Spain)
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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
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. Huneeus, 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
COVID-19 working group

• Short-term (ST):
  • To identify key regional and global experts and create a network where information, data, knowledge and experience can be exchanged.
  • To identify, review and facilitate access to the latest available COVID-19 emission inventories.

• Mid-term (MT):
  • To identify and assess the methods and proxies used to compute the emission changes in developed and developing countries.
  • To provide sector-by-sector guidance on the compilation of COVID-19 emissions and its adaptation for air quality modelling
  • To perform intercomparison exercises between COVID-19 emission inventories

• Long-term (LT):
  • To develop a mosaic of global and regional COVID-19 emission adjustment factors to quantify emission changes and perform modelling studies

http://www.geiacenter.org/analysis/working-groups/covid-19-working-group
Q/A: please write them in the chat with your name. We will collect them in a Google Doc and answer them during wrap-up session or after the workshop.