Global Emissions IniTiAive

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[Logos and affiliations]
Founded in 1990, GEIA is a community initiative that builds bridges between environmental science and policy, by bringing together people, data, and tools to \textit{create} and \textit{communicate} the highest quality information about \textit{emissions}.

\textbf{Core Activities}

- New Emissions Challenges
- Process Understanding
- Working Groups & Collaborations
- Capacity Building
- Outreach to Stakeholders
- Science - Policy Links
- GEIA Network & Web Portal
- Emissions & Ancillary Data
- Community Emissions
- Information about Emissions

\textbf{Analysis}

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

\textbf{Community}

- Strengthening the community of emissions stakeholder groups
GEIA Community

Network

2000 people worldwide

Connections

ileaps
IGAC
AIMES

GEIA
Global Emissions Initiative

Scientific Steering Committee

Alexander Baklanov (Switzerland)
Beatriz Cardenas (Mexico)
Hugo Denier van der Gon (The Netherlands)
Gregory Frost¹ (USA)
Claire Granier² (USA, France)
Greet Janssens-Maenhout (Italy)
Johannes Kaiser (Germany)

Terry Keating (USA)
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Catherine Lioussse (France)
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Ute Skiba (UK)
Leonor Tarrasón¹ (Norway)
Yuxuan Wang (China)

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² Database Manager
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Welcome to ECCAD - GEIA:

ECCAD database provides:
- A large number of datasets at global and regional scales, at various spatial resolution, time periodicity and temporal coverage.
- On-line data manipulation tools and statistical information over geographical regions.
- Detailed metadata for each of the datasets.
- Downloaded files as interoperable NetCDF CF-compliant files.

Available soon!
18-20 NOVEMBER 2015
TSINGHUA UNIVERSITY, BEIJING, CHINA

17th GEIA Conference –
Influence of Urbanization on Emissions Worldwide

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HOST INSTITUTION
Progress in GEIA Working Groups

China Emissions WG
Contacts: Kebin He, Qiang Zhang, Yuxuan Wang
- Improving scientific basis for Chinese emissions
- Sharing results between Chinese research groups
- Publishing in ACP’s *East Asian Emissions Assessment*
  - 36 papers published since 2014!

VOC Emissions WG
Contacts: Erika von Schneidemesser, Hugo Denier van der Gon
- Improving global understanding of VOC emissions
- Leveraging on-going inventory development, measurements, modelling
- Starting evaluation of megacity VOC emissions

Latin America/Caribbean (LAC) Emissions WG
Contacts: Nicolas Huneeus, Laura Dawidowski, Néstor Rojas
- Developing and evaluating LAC-specific emissions information and harmonized national emissions inventories
- Building LAC emissions expert community
- Multinational LAC collaboration has recently been funded
Community Emissions Data System (CEDS)

- Open source framework producing global historical emission estimates
- CMIP6 historical and preindustrial control runs now available

Steven Smith (PNNL/JGCRI, U Maryland)
http://www.globalchange.umd.edu/ceds/
18th GEIA Conference

Emissions Science for a Healthy Environment
The interplay of human versus natural influences on climate and air quality emissions

13-15 September 2017
University of Hamburg
Hamburg, Germany

Details available soon at www.geiacenter.org
Side meetings this week

Tuesday, 7:30-8:30, Breckenridge Ballroom – Peak 15: VOC Emissions WG

Friday, 14:00 – 18:00, Colorado Ballroom: Assessment of emissions from inverse modeling
Demonstration of ECCAD-2