

# The Global Emissions InitiAtive project

Founded in 1990, a community initiative Bridging science, society and policy Bringing together people, data, and tools Creating and communicating emissions information



A key forum for emissions knowledge serving stakeholders in rapidly evolving global society

## Analysis of emission: GEIA working groups

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

- Development of the Multi Resolution Emission inventory for China (MIEC)
- Development of Mosaic emission inventory for China
- Organizing training workshop and conferences & special issue on top journals



#### VOC Emissions WG (Eva Pfannerstill , P. Dominutti, A. Borbon)

- Improving global understanding of VOC emissions, including methane
- Creating a global directory of VOC observations to enhance discoverability of data
- Long-term trends in VOCs
- Effects of VOC speciation on secondary pollutant production

## Latin America/Caribbean Emissions WG (N. Hu

- 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 (L. Tarrasón)

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



### Africa Emissions WG (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



### Near-real-time (NRT) emissions WG (M. Guevara, B. H. Baek)

- Creating a network of experts on NRT emissions and corresponding applications
- Review of current practices and applications of NRT emission estimates Perform benchmarking exercises (i.e. NRT vs official estimates)
- Provide recommendations/guidance in the form of a publication



## **ACCESS** to emissions: the ECCAD data portal



inventories and ancillary data with easy-to-use tools for analysis and visualization, to serve scientific research & assessment efforts.

#### **Analysis** Building the scientific basis for emissions **GEIA** data by enhancing Network & analysis of Web Portal emissions Promoting processes broad and consistent access to Community **Access** emissions Strengthening the community of information emissions stakeholder groups

## **NEWS**

Joining the WG? Meet E. Pfannerstill and P. Dominutti here, or scan the following QR code/follow the link: <a href="mailto:tinyurl.com/GeiaVoc">tinyurl.com/GeiaVoc</a>

following QR code/follow the IIIIX.

Recent outputs from the previous WG: von Schneidemesser, E., et al., CC

End to COVID-19 as global health emergency officially declared...,but the need for near-real time emission information has come to stay.

20th GEIA conference (June 2023, Brussels)

153 researchers (62 ECR) from 31 countries; 32 orals, 112 posters: a rich conference!

21th GEIA conference

July 9-11, 2025, Abidjan, Côte d'Ivoire

## Real time GEIA users:

Network (Blue points represent GEIA SSC member locations)



## **GEIA Scientific Steering Committee**

Hugo Denier van der Gon (*The Netherlands*) Claire Granier (*France, USA*)/ Database man: Marc Guevara (Spain) Nicolas Huneeus (Chile) Greet Janssens-Maenhout (EU)

Johannes Kaiser (Germany) Sekou Keita (Côte d'Ivoire) Zbigniew Klimont (Austria)

Catherine Liousse (France)/ Brian McDonald (*USA*)/ Co Paulette Middleton (*USA*)/ Tom Oda (USA) Katerina Sindelarova (Czech Republic) Erika von Schneidemesser (Germany) Yuxuan Wang (China) Qiang Zhang (China)





