

GEIA's Vision for Improved Emissions Information

G. Frost¹, C. Granier^{2,3}, L. Tarrasón⁴ and P. Middleton⁵

¹NOAA Earth System Research Laboratory, Chemical Sciences Division, Boulder, CO 80305; 303-497-7539, E-mail: gregory.j.frost@noaa.gov

²Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado, Boulder, CO 80309

³CNRS/INSU, LATMOS-IPSL, Univ. Pierre et Marie Curie, Paris, France

⁴Norwegian Institute for Air Research (NILU), Oslo, Norway

⁵Panorama Pathways, Boulder, CO 80304

Accurate, timely, and accessible emissions information is critical for understanding and making predictions about the atmosphere. We will present recent progress of the Global Emissions Initiative (GEIA, <http://www.geiacenter.org/>), a community-driven joint activity of International Global Atmospheric Chemistry (IGAC), Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS), and Analysis, Integration and Modeling of the Earth Systems (AIMES) within the International Geosphere-Biosphere Programme. Since 1990, GEIA has served as a forum for the exchange of expertise and information on anthropogenic and natural emissions of trace gases and aerosols. GEIA supports a worldwide network of emissions data developers and users, providing a solid scientific foundation for atmospheric chemistry research. By the year 2020, GEIA envisions being a bridge between the environmental science, regulatory, assessment, policy, and operational communities. GEIA's core activities include 1) facilitating analysis that improves the scientific basis for emissions data, 2) enhancing access to emissions information, and 3) strengthening linkages within the international emissions community. We will highlight GEIA's current work distributing emissions data, organizing the development of new emissions datasets, facilitating regional emissions studies, and initiating analyses aimed at improving emissions information. GEIA welcomes new partnerships that advance emissions knowledge for the future.

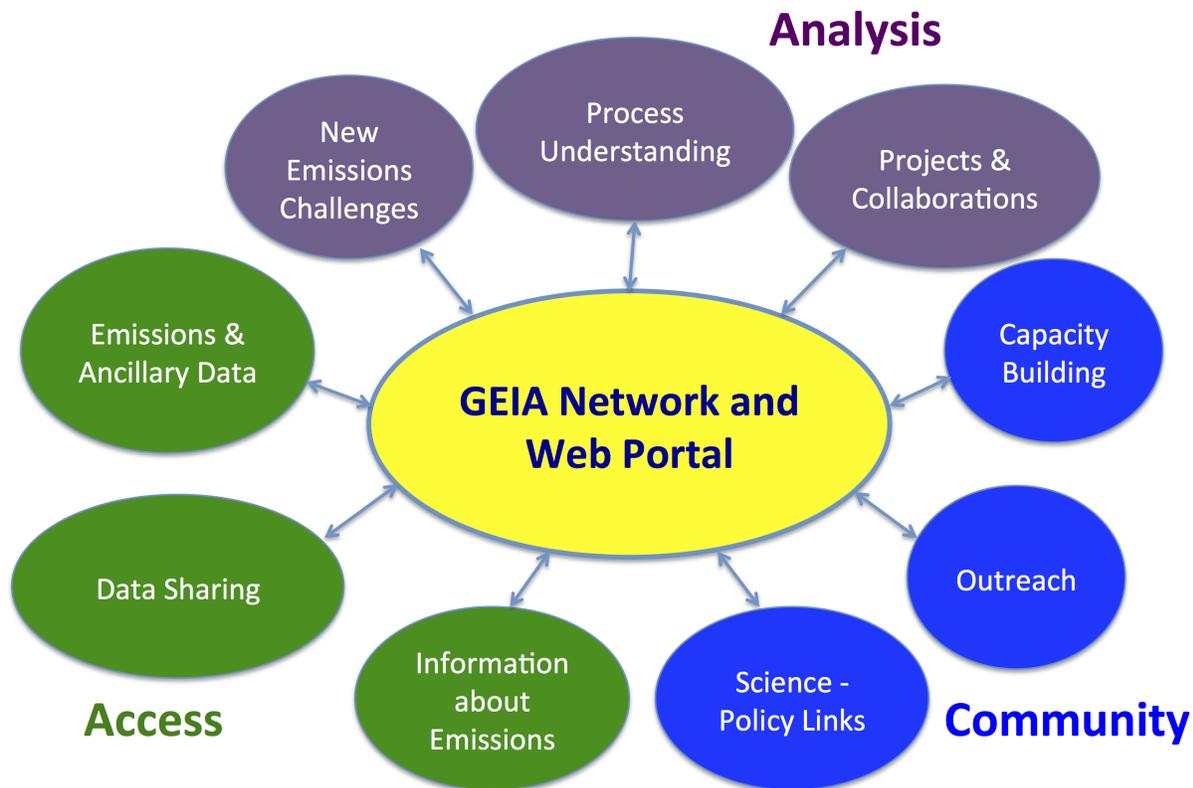


Figure 1. Schematic showing GEIA's core activities.