

CEC

Online Informational, Interactive Platform on Climate Change



Project conducted by Open Organize



A Single Platform with Many Inventories

GHG	BC/SLCP	CAC
CAN NIR	Arctic Council Assessment	CAN NPRI
US NIR US SIT	Report to Congress on Black Carbon	US NEI
MEX Nat'l Communication	Final Report Supporting Nat'l Planning of SLCP	MEX INE



What makes up the Platform?

- A framework for *comparison*: an online data dictionary defining a flexible, common framework for air pollutant inventories; structured metadata; semantic tags.
- A framework for *distribution*: web service API distributing inventory data in JSON and XML-RDF.
- Web application (*preview at lunch tomorrow!*)


A Flexible, Common Framework for Air Pollutant Inventories

- Inventory = a collection of emission metrics
- An emission metric may be bound by up to seven dimensions: time, place, pollutant, fuel, source category *as well as* estimation methodology and the inventory itself
- Guidance documents classify source categories, estimation methodologies, and fuels

Oil and Natural Gas Emissions in United States, 2012 | CEC Climate

ee.climateshare/emission-metric/8987

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Search

- Inventories
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[Inventories](#) / [Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2012](#)

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Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2012

Oil and Natural Gas Emissions in United States, 2012

Definition of Oil and Natural Gas Source Category

From Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories: Reporting Instructions. Section 1.1, "Source/sink categories."
<http://www.ipcc-nggip.iges.or.jp/public/gl/guidelin/ch1ri.pdf>

Total fugitive emissions from oil and gas activities. Fugitive emissions may arise from equipment exhaust (non-combustion), leakages, upsets and mishaps at any point in the chain from production through final use. Note also that emissions from flaring are included (the combustion is considered a non-productive activity).

Emissions Estimate in Context: Oil and Natural Gas Emissions in United States, 2012

Oil and Natural Gas Emissions in United States, by Year

Oil and Natural Gas Emissions in United States, by Child Source Category

Oil and Natural Gas Emissions in United States, by Pollutant

Methodologies used to estimate emissions

