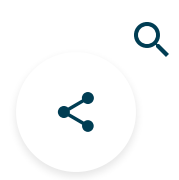


We use cookies to improve your experience. By using our site, you consent to [our cookie policy](#)

[OK](#) [Learn more](#)



The Greenhouse Effect

Human activities are causing greenhouse gas levels in the atmosphere to increase. This graphic explains how solar energy is absorbed by the earth's surface, causing the earth to warm and to emit infrared radiation. The greenhouse gases then trap the infrared radiation, thus warming the atmosphere.

Year: 2015

From collection: [Vital Climate Graphics](#)

Cartographer: This

Download



240X186



500X388



550X427

High-res download for publications



Use Constraints

Using this item and referring to it is encouraged, and please use it in presentations, web pages, newspapers, blogs and reports.

For any form of publication, please include the link to this page and give the creator credit (in this case This) If the high-resolution file is not available, please contact grid@grida.no for request and permission for usage.

[View this Graphic on Flickr](#)

Graphics included in same album



**Change in cereal
production under three
different GCM
equilibrium scenarios**



**Change in permafrost
temperatures at various
depths in Fairbanks
(Alaska)**



**Climate change and
vector-borne diseases**



**Climate Change:
Sensitivity, Adaptability
and Vulnerability**



**CO2 concentration in
the atmosphere: Mauna
Loa curve**



**CO2 emissions from
industrial processes**



CO2 emissions from
land use change



Emissions of CO2 -
selected countries
(1995)



Evolution of the ice-
breaking date in the
River Tornio (Finland)



Forest composition,
current and projected
ranges of beech trees in
North America



Freshwater stress



Freshwater stress:
Current population at
risk



**Global atmospheric
concentration of CO₂**



**Great ocean conveyor
belt**



**Impact of temperature
rise on robusta coffee in
Uganda**



**Impact on mountain
vegetation zones**



**Institutional framework
IPCC and UNFCCC**



**Intergovernmental
Panel on Climate
Change (IPCC)**



**Malaria-Plasmodium
vivax**



**Planets and
atmospheres**



**Potential climate
changes impact**



**Potential dengue
transmission in case of
temperature rise**



**Potential impact of sea
level rise: Nile Delta**



**Precipitation changes:
trend over land from
1900 to 1994**



Projected changes in CO2 and climate: summary of assumptions in the IPCC 1992 alternative scenarios



Projected changes in global temperature



Radiative forcing



Sea level rise due to global warming



Sources of greenhouse gases



Scenarios of sea level rise



The carbon cycle



The cooling factors



Temperature and CO2 concentration in the atmosphere over the past 400 000 years



The main greenhouse gases



The six IPCC scenarios



The great weather and flood catastrophes over the last forty years



Thinning of the Arctic sea-ice



Trends in global average surface temperature



**The UN Convention on
Climate Change
(UNFCCC)**



Publications it appears in



Vital Climate Graphics

Vital Graphics 22 Sep
Series 2001

CONNECT WITH US

