HUMAN-INDUCED CLIMATE CHANGE

The main **anthropogenic cause** for climate change is the emission of greenhouse gases.

DID YOU KNOW?

The Earth's global temperature has risen by about 1.1 ° C since pre-industrial times with massive impact on ocean, land and atmosphere.

Human influence on the climate system is now an established fact.

Observed warming is driven by greenhouse gas emissions caused by human activities, especially from fossil fuel burning and from land use and land cover change, including deforestation and livestock production.

The global surface temperature has already increased by more than 1°C since pre-industrial times, with higher increases over land than over the ocean.

Today, carbon dioxide concentrations are higher than at any point in the past 800,000 years.

Many changes caused by past and future greenhouse gas emissions are irreversible, especially changes in the ocean, ice sheets and to the global sea level.

Global greenhouse gas emissions continue to rise at a time when they need to be rapidly reduced to slow down climate change.

CLIMATE SCIENCE LITERACY

IN SUPPORT OF THE **SUSTAINABLE DEVELOPMENT GOALS**

Photo: Jonathan Yee/Shutterstock.com