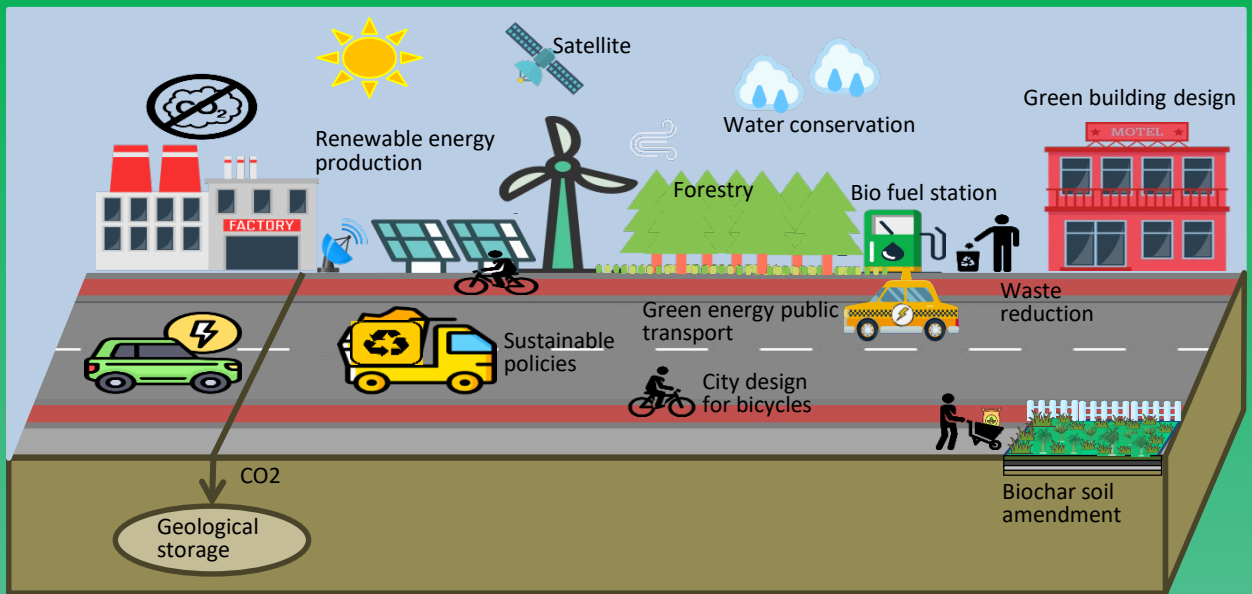


Internship Program: Negative Emissions



Description of program:

Unabated increase in greenhouse gases and other atmospheric pollutants in the atmosphere are suspects of having drastic consequences for earth's climate. Possibly, reversing these emissions is needed as a survival strategy for humanity. Sufficiently developed science, scientific tools and technological solutions will then be required for taking appropriate actions to stabilize earth's climate. The climate institute at TU Delft would like to take up this challenge and develop scientific knowledge, scientific tools and technological solutions necessary for reversing the increase in atmospheric emissions.

Different approaches have been proposed to achieve negative carbon emissions such as using biochar for soil amendment, direct air capture and bio-CCS. There are a couple of climate champion neighbourhoods that TU Delft would like to work with these approaches. For this, TU Delft negative emission program is announcing travel support for carrying out short research assignments jointly with these neighbourhoods.

For instance, Meenangadi Panchayat in Wayanad district of Kerala aims to become the first Indian Carbon Neutral neighbourhood. This region is a part of the Western Ghats-a biodiversity hotspot. There are also other similar neighbourhoods in countries such as UK, Canada and Norway.

For more information please contact: negative-emissions@tudelft.nl

Travel allowance: € 500

Starting Date: February 2020 onwards

Topics may include, among others:

- Carbon footprint measurements
- Development of appropriate biochar production methods for different neighbourhoods
- Biochar field studies
- Geotagging of trees

Kochi (close to Wayanad) makes it to Lonely Planet's list of top 10 destinations for 2020