

TRANSITION PLANS

All countries have signed the Paris agreement to stay well below 2°C temperature increase since the industrial revolution. Now they need good plans on how they will transition from fossil fuel; coal, oil and gas, to clean energy; solar, wind, hydro and thermal power.

The “contributions” (how much each country will reduce their CO2 emissions by 2050), the **Intended Nationally Determined Contributions, INDC**, have been presented to the UN.

Vehicles, infrastructure, industries, are all built to run on fossil fuel. We need to electrify the energy sector and generate all electricity with clean energy.

New power generation and power plants, distribution systems; smart grids, for secure energy supply, new building standards, new industrial processes and equipment etc., are required. This takes time to develop and require good forward planning. Car producers, charging stations and even car owners need to know well in advance when they should switch to electric cars for instance. A well planned, open and transparent transition period must initiate **now**, in order to keep the 2050 deadline.

Clean energy will also have important public health benefits. The DDPP for **China and for India**, shows a 42-79% reduction of primary air pollutants (PM2.5 and other) and with that they will meet the WHO air quality standards.

4.2 million deaths in the world are due to ambient (outdoor) air pollution. **Over 80% of urban residents** are exposed to air pollution levels that exceed WHO recommendations!

We, the people have to be part of the transition, be well informed and request and support the development and implementation of transition plans in our country. It is in our interest; politicians stay for 5 to 10 years but we have a longer time perspective. Those who are children today will be 30 to 40 years old in 2050. They have the right to grow up in a world in balance with nature.



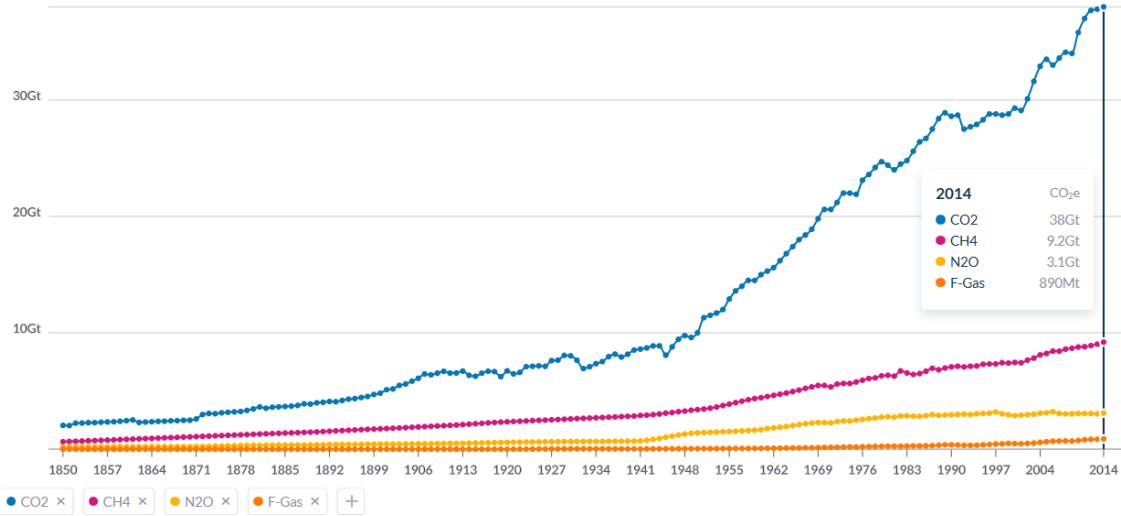
DDPP, Decarbonization Pathway Plans. (<http://deepdecarbonization.org/>)

DDPP is one example of plans being developed on how to transfer to clean energy. Experts from leading international and national research institutions, consider potential clean energy resources in the country and their economic growth aspirations and based on this, they develop alternative decarbonization pathways (transfer from fossil fuels to clean energy). They do that by determining backwards from 2050 until now “backcasting”, the steps that are required each year in order to achieve the 2050 goal. These plans have so far been developed in 17 of the most polluting countries.

Politicians must now set priorities right and **start to implement these plans! They will not do that until we, the people request it!**

GREEN HOUSE GAS EMISSIONS SINCE THE INDUSTRIAL REVOLUTION.

Note the sharp acceleration of CO2!



Source: CLIMATEWATCH, <https://www.climatewatchdata.org/ghg-emissions?breakBy=gas&filter=133%2C132%2C135%2C134&source=32&version=2>

How to find information on the development and implementation of transition plans in my country.