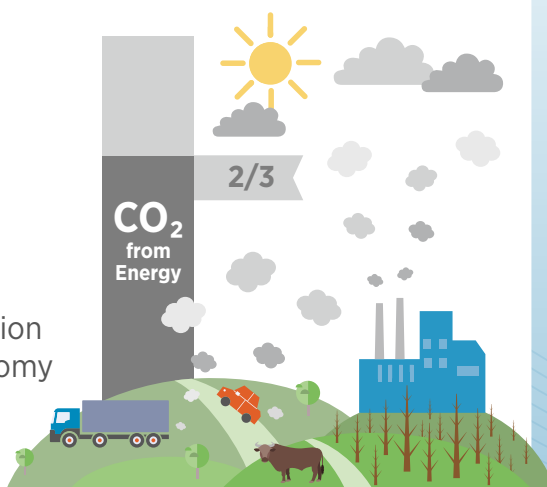


Low-carbon energy: crucial against **Climate Change**

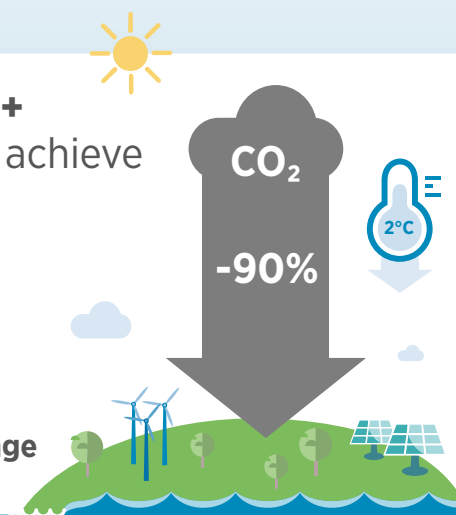
1 Energy production and use

- Accounts for **2/3** of global greenhouse gas **emissions**
- **Needed by 2050:**
 - 85% reduction of CO² emission intensity of the global economy



2 Switch to **renewables + energy efficiency** can achieve

- **90% of emissions reduction** effort needed by 2050
- Fulfil **Paris Agreement**
- Keep global temperature rise **below 2°C**
- Avert catastrophic **climate change**



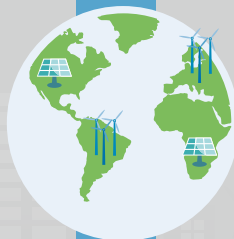
TWO POSSIBLE FUTURES:



Current plans and policies:

- Energy intensity improving **1.8% per year** through 2050
- **24% renewables** in world's energy supply from 16% in 2015

24%



Insufficient to meet climate goals



Accelerated **RE/EE uptake**

- Energy intensity improvements
 - **Double** by 2030 and continue improving **2.5% per year** through 2050
- **65%** renewables in world's energy supply from 16% in 2015

65%

