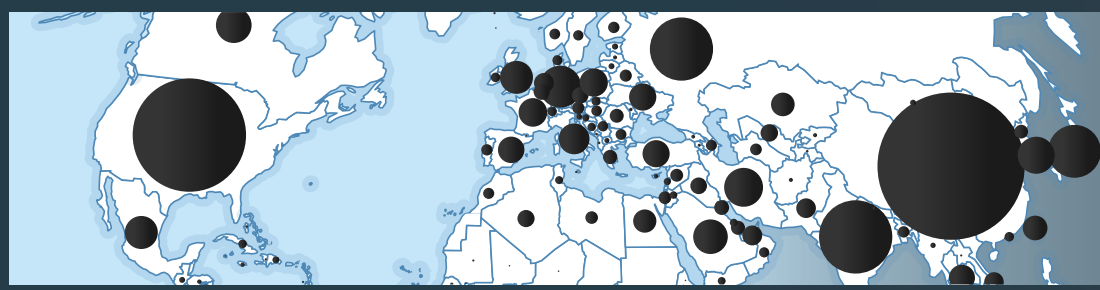
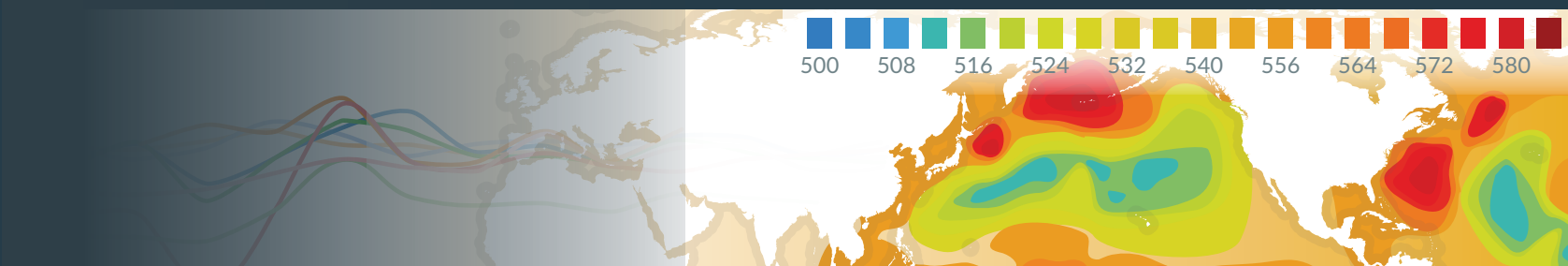


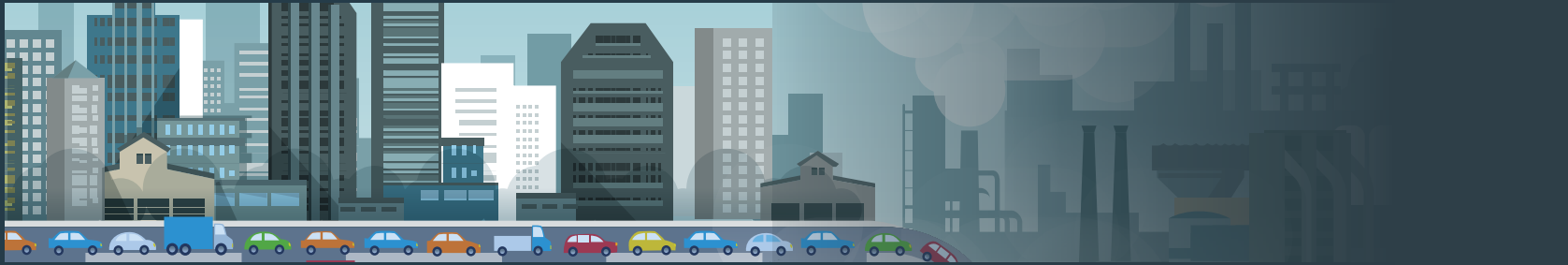
**CARBONATLAS.ORG**  
 a platform to explore and visualize  
 the most up-to-date data on carbon fluxes



**EMISSIONS** | Explore and download global and country level carbon emissions from human activity.



**RESEARCH** | Explore and visualize research carbon data and get access through data providers.



**OUTREACH** | Take a journey through the history and future of human development and carbon.

## WHERE DO CARBON EMISSIONS COME FROM?

### EMISSIONS SOURCES

World carbon emissions in 2014 per source

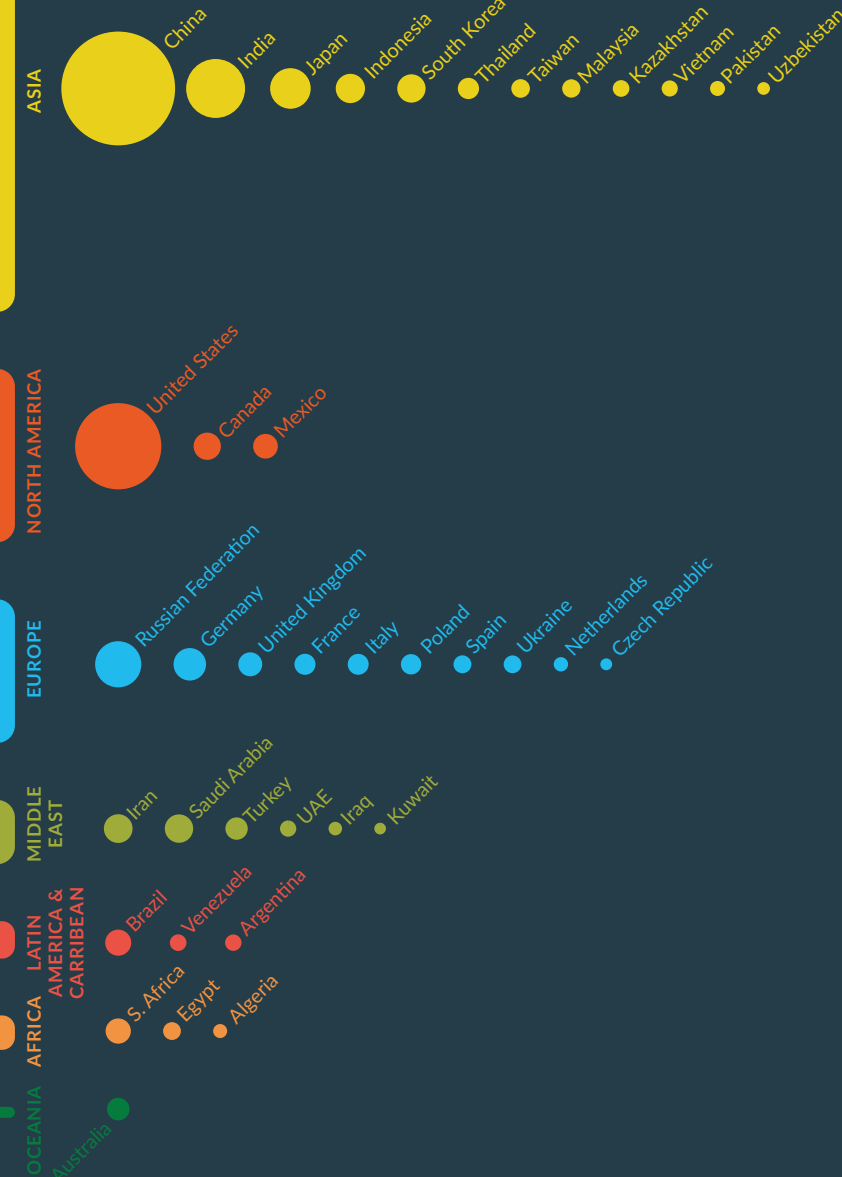
- Coal
- Oil
- Gas
- Cement
- Gas flaring
- Land use Change

### REGIONAL EMISSIONS

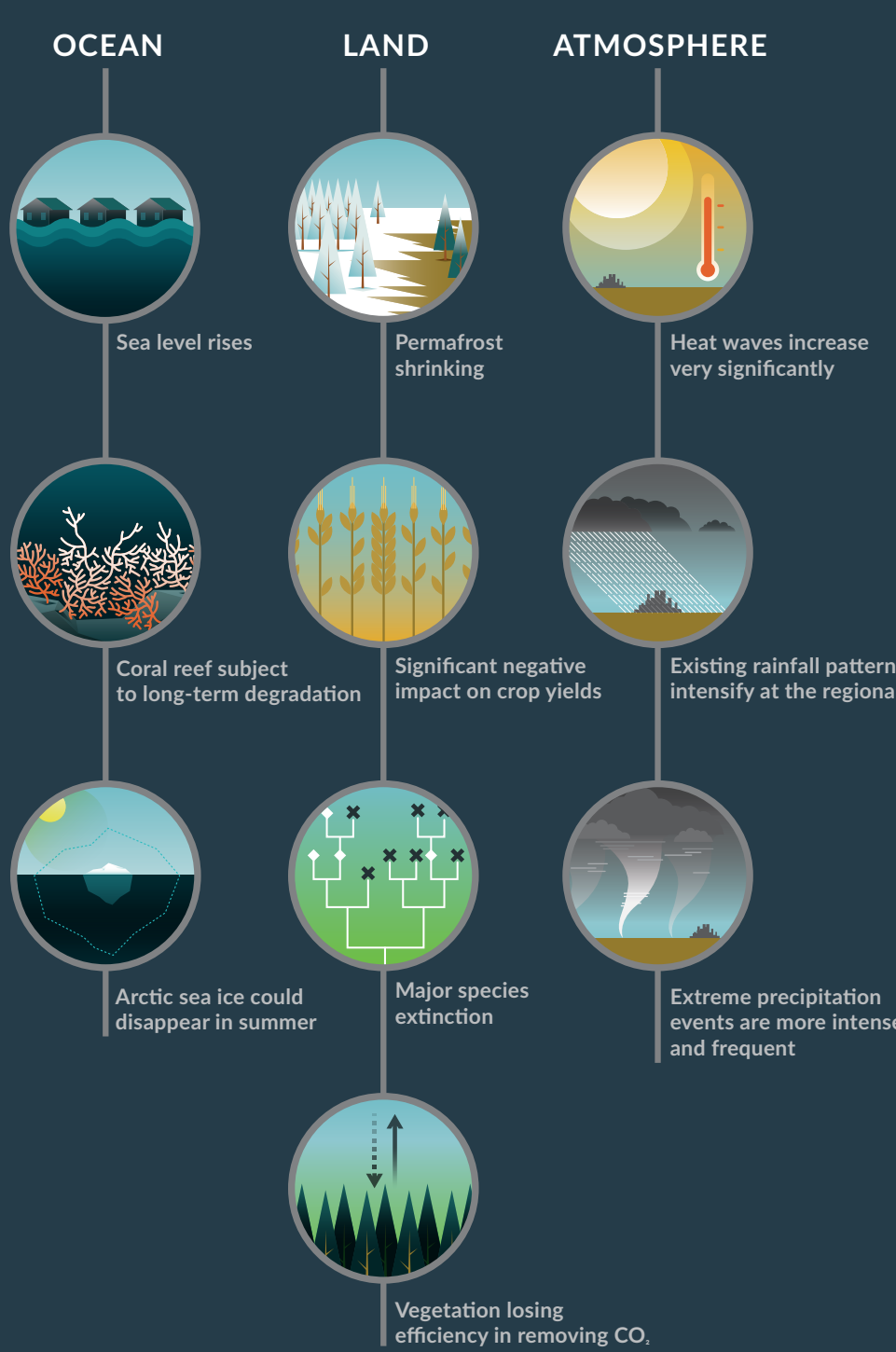
World carbon emissions in 2014 per region

### MAJOR EMITTERS

Emitters above 100 Mt CO<sub>2</sub> per year



## TODAY'S CHOICE, TOMORROW'S IMPACTS



**+ 3.2°C TO + 5.4°C**  
 5.9°F - 9.7°F

**We keep on relying on fossil fuels as the primary source of energy**

We live in an energy-intensive world based on the use of ever more expensive and scarce fossil fuels. There is large transformation and damage to the natural environment and to the human enterprise. The cost of adaptation far exceeds the cost of climate mitigation.

**+ 2.0°C TO + 3.7°C**  
 3.6°F - 6.7°F

**Slow but existing policy development**

A range of technologies and strategies for reducing greenhouse gas emissions are adopted: CO<sub>2</sub> emissions begin to decrease after 2100. The pace of mitigation is too slow to prevent very large changes in the natural and human environments across the globe.

**+ 1.7°C TO + 3.2°C**  
 3.1°F - 5.8°F

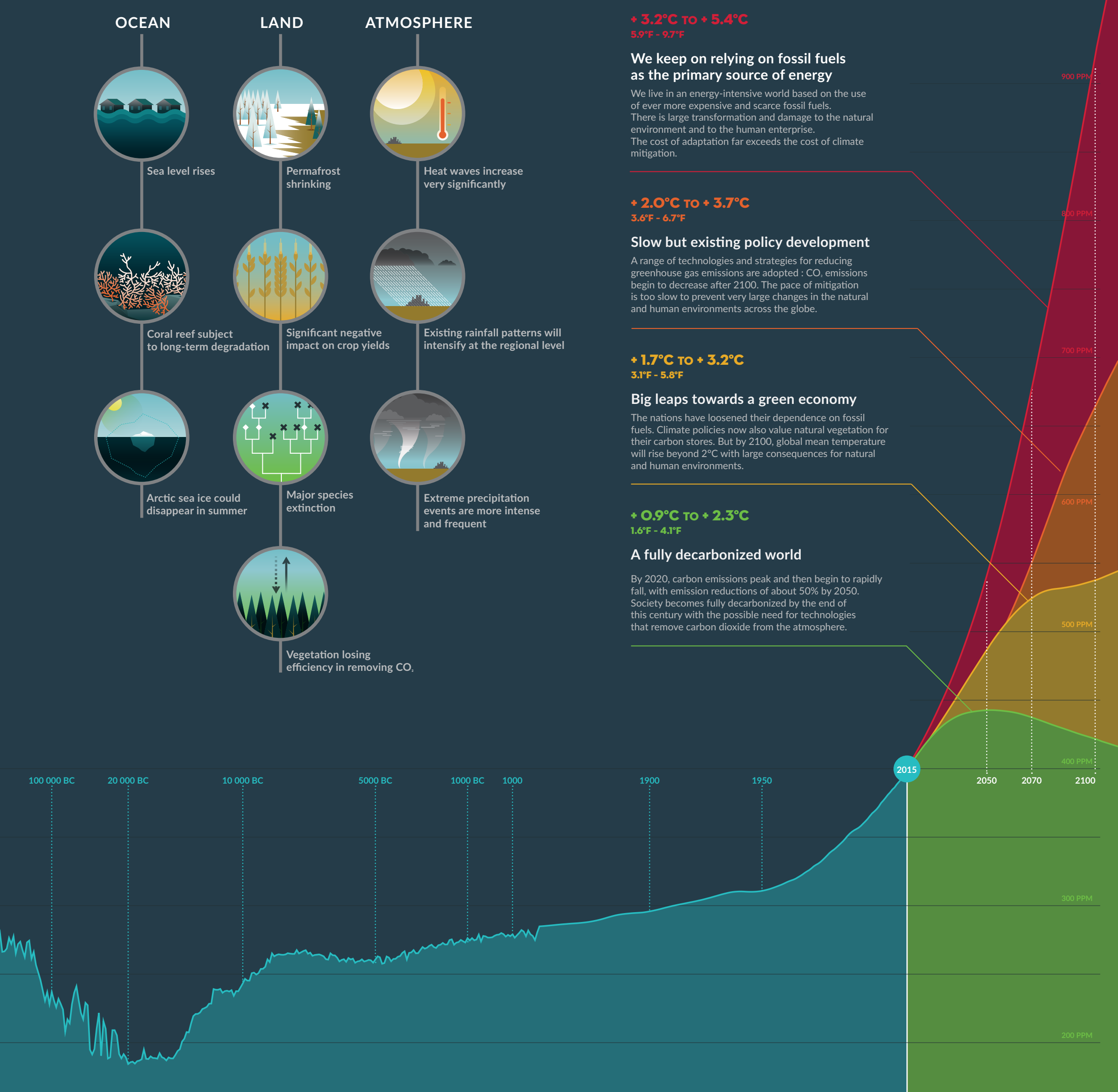
**Big leaps towards a green economy**

The nations have loosened their dependence on fossil fuels. Climate policies now also value natural vegetation for their carbon stores. But by 2100, global mean temperature will rise beyond 2°C with large consequences for natural and human environments.

**+ 0.9°C TO + 2.3°C**  
 1.6°F - 4.1°F

**A fully decarbonized world**

By 2020, carbon emissions peak and then begin to rapidly fall, with emission reductions of about 50% by 2050. Society becomes fully decarbonized by the end of this century with the possible need for technologies that remove carbon dioxide from the atmosphere.



## CO<sub>2</sub> CONCENTRATION IN THE ATMOSPHERE