

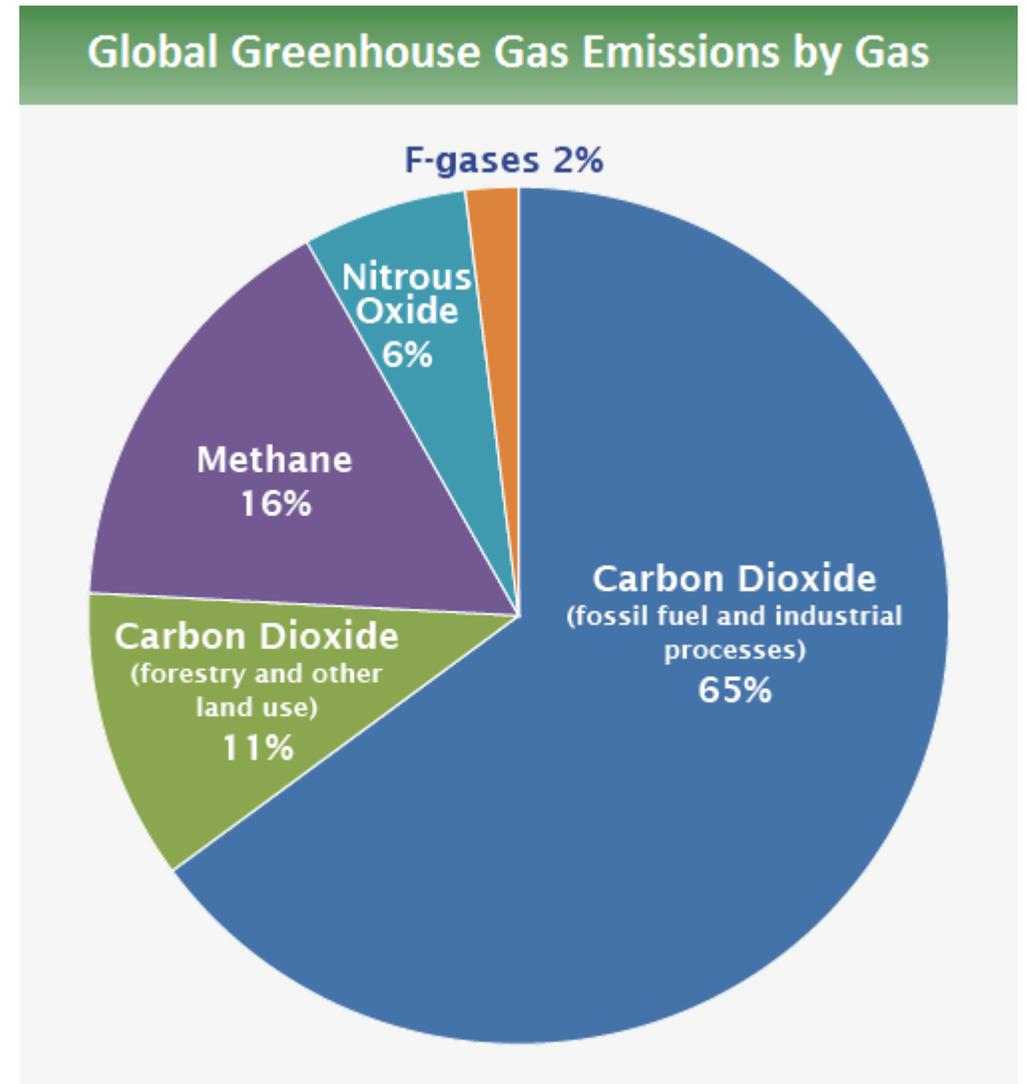
# Global Warming Mitigation



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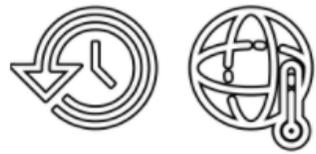
# What is Global Warming?

- Increase of the global temperatures due to increased greenhouse gases in the atmosphere



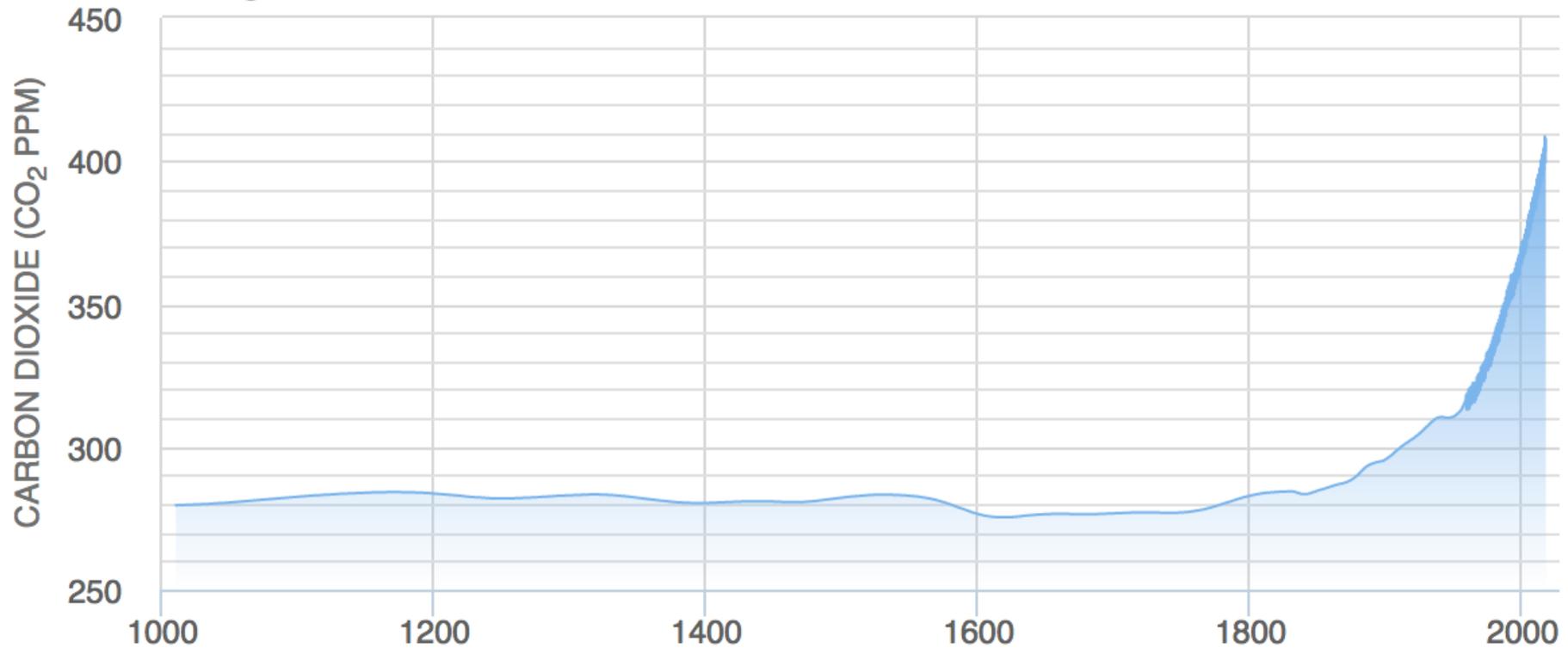
Source: US Environmental Protection Agency

# Carbondioxide Levels for the last 1000 years



## GLOBAL CO<sub>2</sub> LEVELS

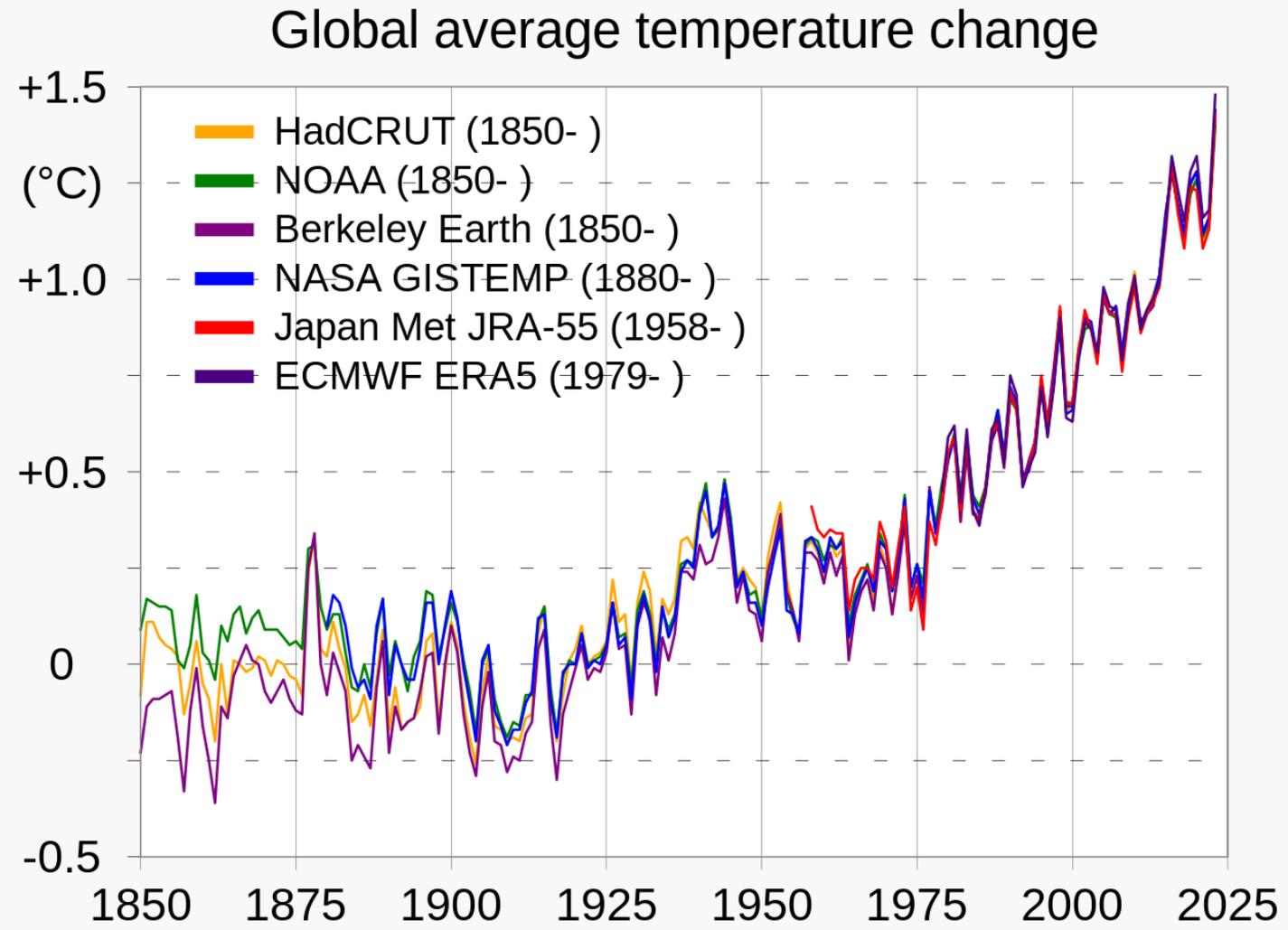
Click and drag in the plot area to zoom in



Powered by the 2 Degrees Institute

Source: 2 Degrees Institute

# Carbondioxide temperature level Projection



Source: NASA / Japan MET / NOAA / Berkeley Earth

# Effects of Global Warming

AQI<sup>®</sup>

## Harmful effects of rising temperature



Adverse weather



Floods and storms



Growth of microorganisms



Droughts



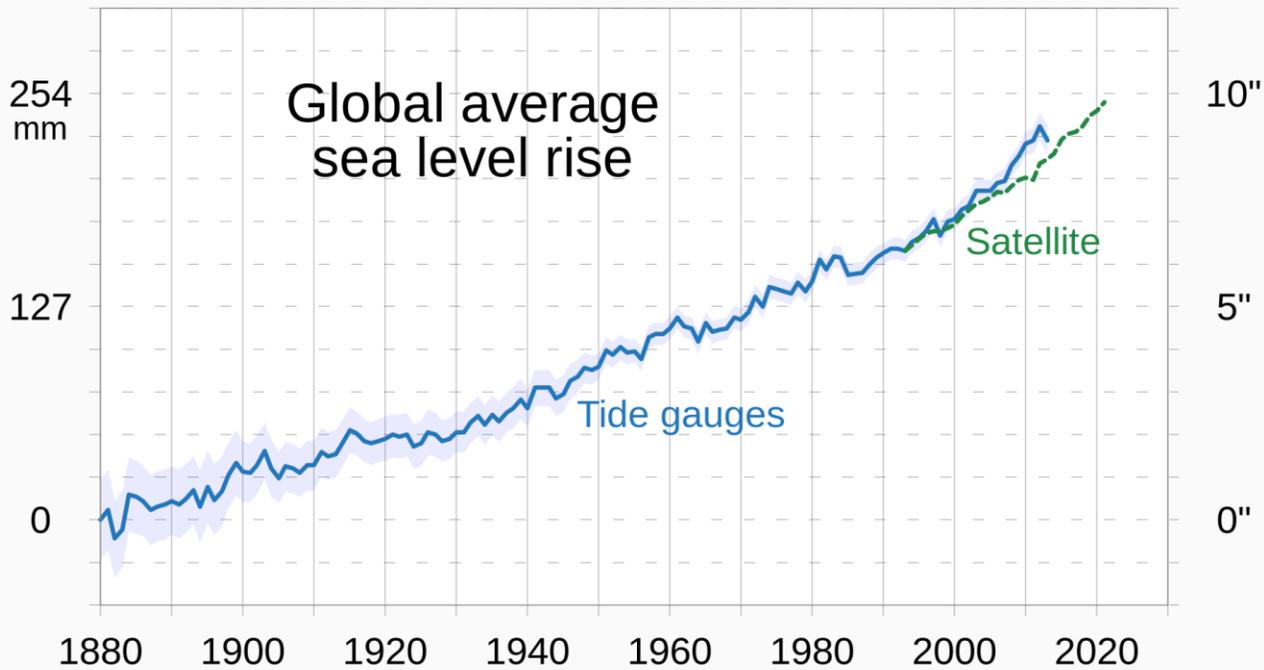
Heavier rains cause streams



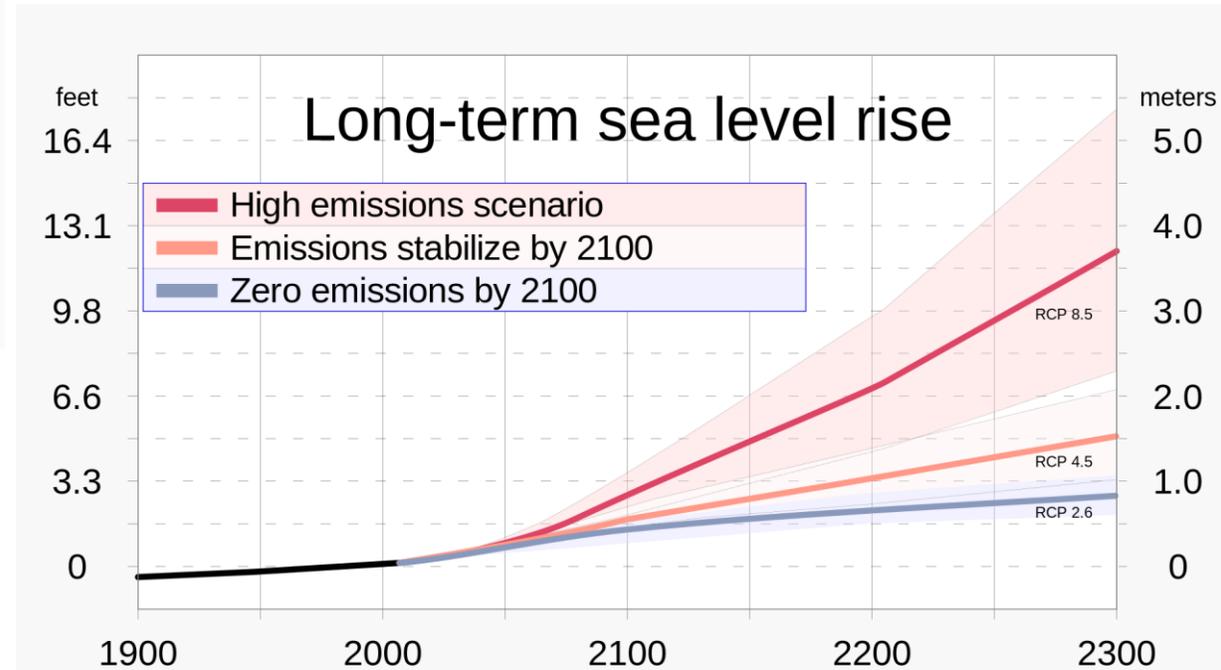
Increase in the number of deaths

Source: AQI

# Global Sea Level Rise

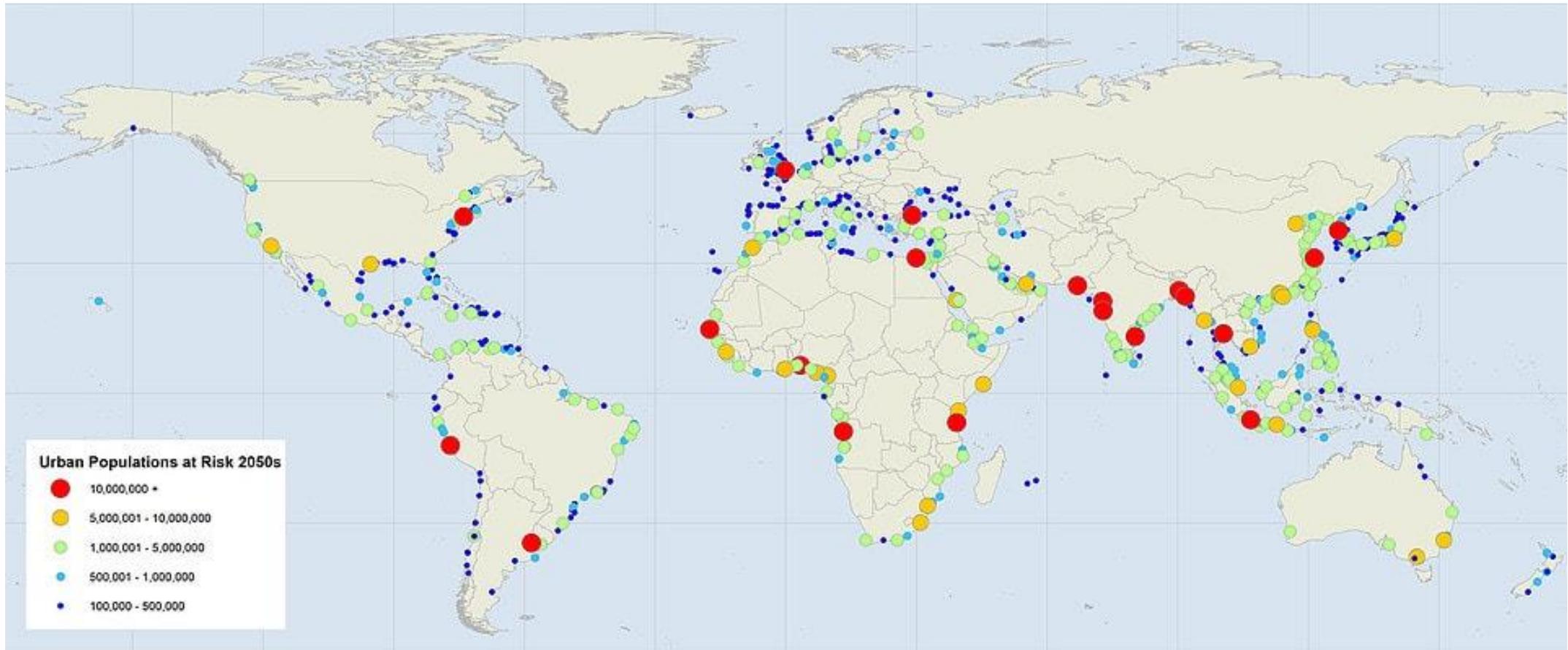


Source: U.S. Environmental Protection Agency (EPA)



Source: National Aeronautics and Space Administration (NASA)

# Global Sea Level Rise



**By 2050, 800 million people will live in cities where sea levels could rise by more than half a meter**

Source: C40 Cities Climate Leadership Group

# Climate Action – Take Action

## Action Points

## Why?

Recycle paper, glass, plastic, metal and old electronics.

Recycling reduces energy used in production

Compost. Composting food scraps can reduce climate impact while also recycling nutrients.

Less wastage going to the landfill

Choose reusable products. Use an eco-bag for shopping and a reusable water bottle or a cup to reduce your plastic waste.

Energy use can be avoided in manufacturing if we reuse

Buy eco-friendly products. Read the packaging to see if products are produced in an eco-friendly way.

Ecofriendly products means less harmful elements in the landfill

Bike, walk or take public transport. Save the car trips for when you've got a big group.

Clean energy

Reduce your use of paper. Avoid printing and substitute it with electronic devices or carriers.

Reduces tree cutting for paper production

Support NGO's working towards Climate Action. Big or small.

Stay in touch and be informed. Spread awareness. Follow the news on Global Warming.

# Climate Action – Take Action

<b>Action Points</b>	<b>Why?</b>
Install Solar Panels	Clean energy. Prevents carbon emission from Coal Power (Thermal Power) Stations
Switch to EV two wheelers and cars	Clean energy. Prevents carbon emission from Petrol / Diesel
Save water. Harvest rainwater	Less power will be used to produce more water
Plant Trees	Natural carbon sink. Absorbs and stores carbon long term.
Encourage farmers to plant less water intensive crops	Rice cultivation is water intensive and uses huge amounts of power and water
Switch from Gas to Electric Stoves	Burning LPG contributes to carbon emission

# Presentation by

Bharath Manoharan

Vaagai President Elect

Rotary Club of Jambukeshwaram

RID 3000

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