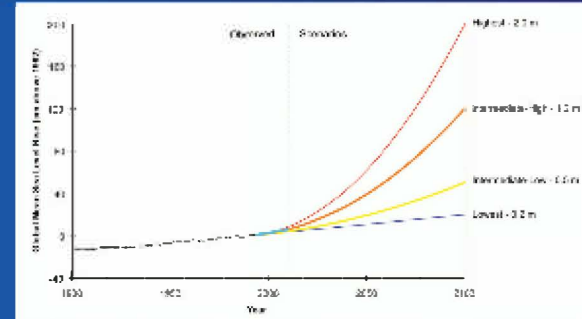


# Teach your parents!

## Sea level rise



By 2100 the average sea level rise will be as much as 10 cm higher if the earth's global temperature increases by 2,0 °C instead of 1,5 °C. This will cause damaging effects for humans, animals and earth itself. For example if we reach the 1.5 °C goal 70 % of the coral reefs will disappear by the year 2100 compared to 90 % if we reach the 2 °C goal. Today 30% of the coral reefs are damaged.



The sea level rise projections up until the year 2100.



### Why the sea is rising.

The sea is estimated to rise more than 2 meters per degree above preindustrial levels. There are two main causes for the sea rising. Firstly as water gets warmer, it expands and takes up more volume. Secondly the temperature rise makes the glaciers and polar ice caps melt.

Our release of greenhouse gases, especially carbon dioxide, is the main factor leading to the sea rise as it intercepts the solar rays from reflecting.

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Source: IPCC special report "Global warming of 1,5° C",  
The 10 science "Must Knows" on climate change-Rising sea levels and ocean acidification are growing threats.



### The effects of sea rising.

Until 2050 the sea rises will be small but until 2100 their will be significant changes. The biggest changes will occur in the Mediterranean and southern Africa. The Arctic ice will melt during the summer.

The sea rising can make whole cities uninhabitable and many of the worst affected countries have bad prerequisites for this scenario. We know that sea rise will probably cause mass migration. In the 10 countries with the most land mass below 5 meter over sea level, more than 18 million people live.

That is twice as much as



### How we can reduce the affects.

The sea rising will continue as long as the gas emissions continue. Therefore to stop the sea rise we need to stop the gas emissions, and to reach the Paris Agreement goal of 1,5°C we need to act now!

You as an individual can make a difference with simple actions like for example taking your bike instead of your car or eat less meat to reduce the emissions of greenhouse gases.