

Small cause, big effect

More Details

Small cause, big effect - especially in our climate system we are feeling this effect more and more. An increase in greenhouse gases in the atmosphere leads to the well-known rise in temperature. But that is not the only thing that is changing on our planet as a result: The ocean temperature is also rising, wind systems and ocean currents are changing, glaciers and sea ice are melting etc.

When these changes have progressed so far that they can no longer be reversed, scientists speak of so-called tipping points. Since the extreme sea ice retreat in the Arctic in 2007, researchers have been discussing that the Arctic sea ice has already passed its tipping point. This will have consequences for ocean currents, the Arctic ecosystem and even for the climate in Europe.