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Impacts of changing society and climate on nutrient loading to the Baltic Sea

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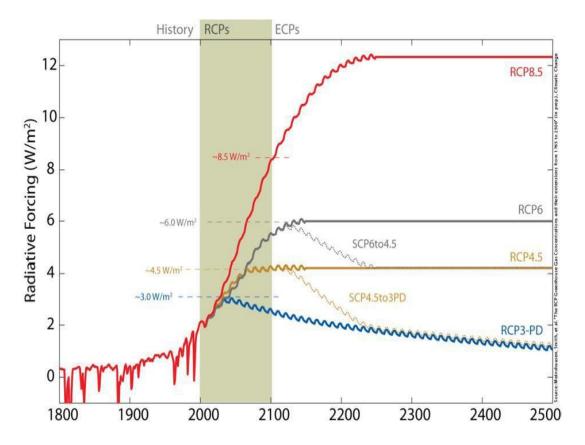
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How will changing climate and changing societies affect on nutrient loading to the Baltic Sea in long run?

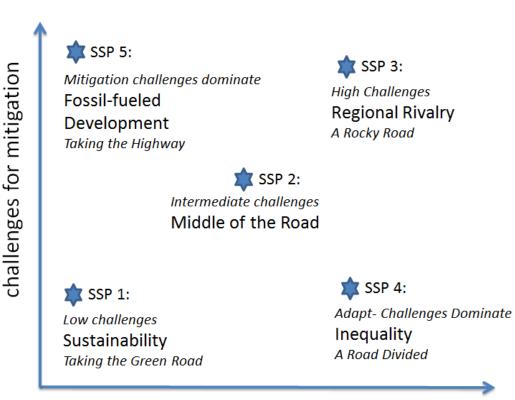
How difficult it will be to reach the Good Environmental State of the Baltic Sea?

How much extra effort should be allocated on nutrient abatement to reach & maintain good environmental state of the sea?

# Climate futures (RCPs)



# **Shared socioeconomic** pathways (SSPs)

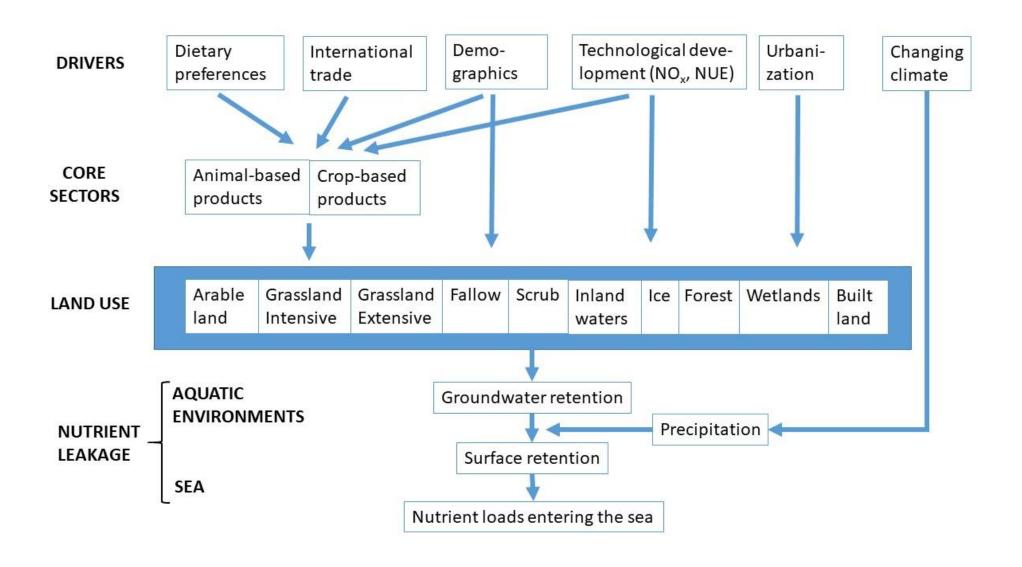


Socio-economic challenges for adaptation

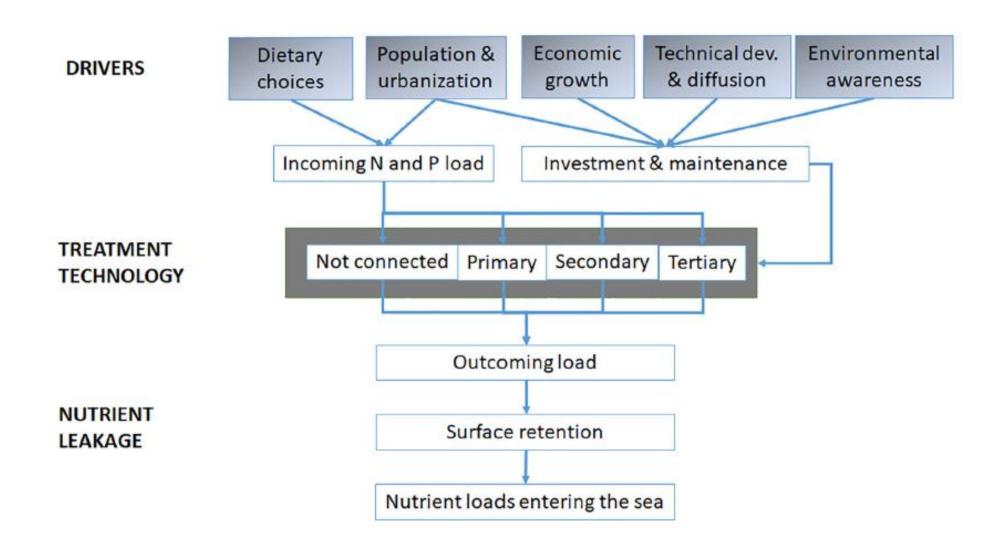
Sources: O'Neill et al (2014)

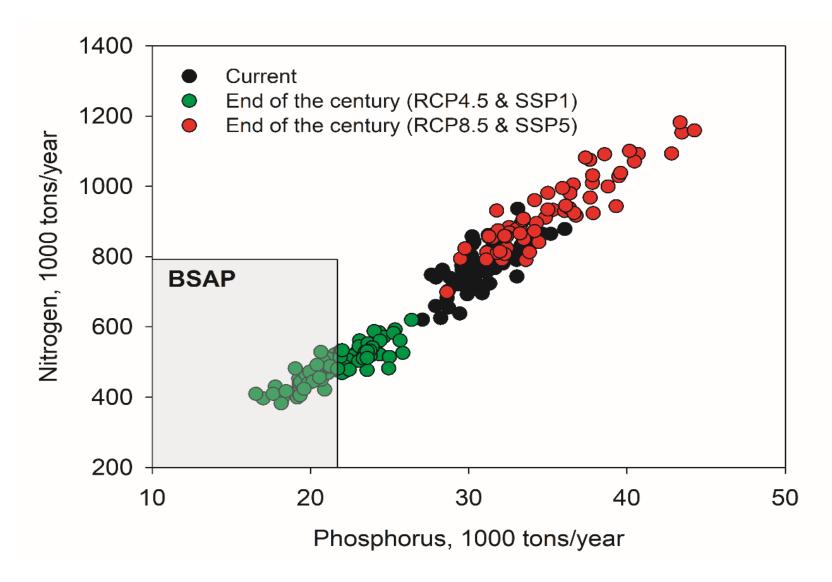
Socio-economic

### Nutrient loading from diffuse sources



### Nutrient loading from households





Annual variability in nutrient loads to the Baltic Sea currently (2010-2030) and at the end of the century (2078-2098)

### Thank you!

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