

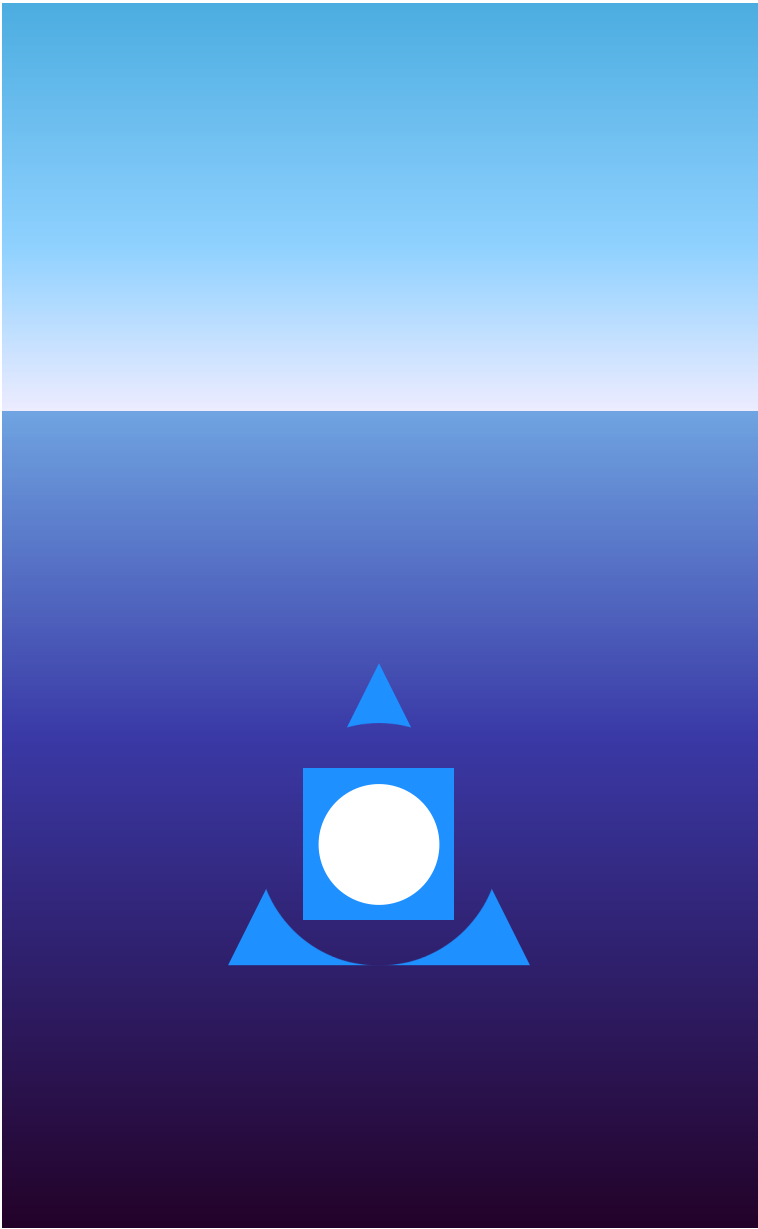
CLIMATOPIA

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# SECTION 1: CLIMATOPIA



rising sea levels





# SECTION 2:

# ATLANTIS

**When coastal cities, islands and entire nations slowly go under in the rising sea, how will human life there change and continue?**

Global warming is causing sea levels to rise due to three primary factors<sup>[1]</sup>:

- **Thermal expansion:**  
As the temperature of seawater increases, it expands.
- **Melting glaciers:**  
The balance between summer runoff and winter snowfall is being disrupted, as glaciers melt at a faster rate than they are replenished.
- **Melting ice shields:**  
The vast ice shields in Greenland and Antarctica are melting, adding large volumes of water to the ocean.

This trend of rising sea levels is not only continuing but accelerating.

The consequences of this trend are severe and far-reaching. Islands across the globe are gradually disappearing underwater. Additionally, thousands of coastal cities face the imminent threat of being submerged. This situation calls for urgent action and adaptation strategies.

rising sea levels

1. SROCC. 2019 IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (eds H-O Pörtner et al.). In press.





rising sea levels



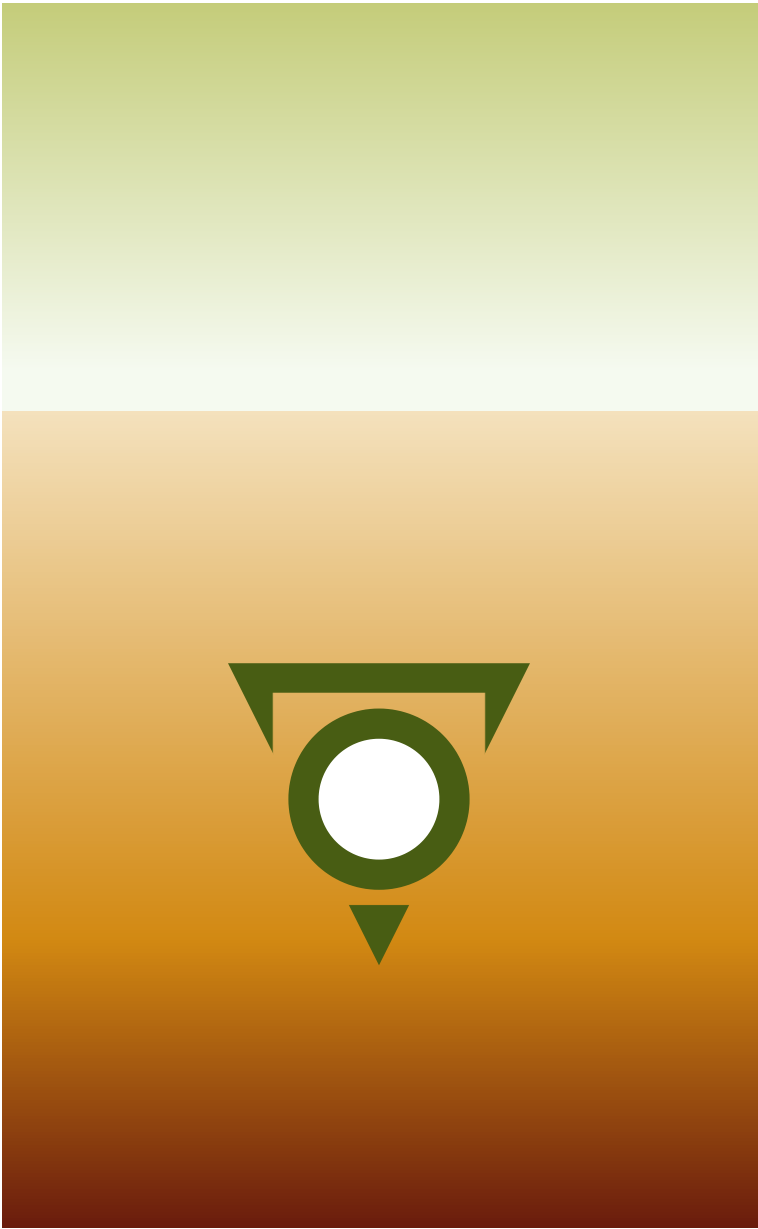




rising sea levels



rising sea levels



# SECTION 3:

# CACTUS

**When coastal cities, islands and entire nations slowly go under in the rising sea, how will human life there continue?**

Sea-levels are rising as a result of three factors all caused by global warming<sup>[2]</sup>:

- **Thermal expansion:** seawater expands due to increasing temperatures
- **Melting glaciers:** summer runoff isn't balanced by winter snowfall anymore
- **Melting ice shields:** the ice shields in Greenland and Antarctica are melting

This trend is increasing, with the yearly rise in sea-level accelerating.

rising sea levels

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<sup>2</sup> SROCC. 2019 IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (eds H-O Pörtner et al.). In press.



Cactus - growing water scarcity

rising sea levels



rising sea levels



Cactus - growing water scarcity

rising sea levels



rising sea levels

rising sea levels





# SECTION 4:

## PHOENIX

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rising sea levels





rising sea levels





rising sea levels



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rising sea levels