

# The Impact of Warming Oceans on Communities

# Sea Level Rise is caused by.....

- melting of glaciers & ice sheets.
- thermal expansion from increased water temperatures.

# Coastal Cambodia – Climate change kills rice crops with salt water



Farmer's rice field in Kampot city which was flooded last year with saltwater, October 2, 2021. (Sun Narin/VOA Khmer)

Narin, Sun. Liblib, Lors. "In Coastal Cambodia: Climate change kills rice crops with salt water. Nov 2021. <https://www.voanews.com/>. Accessed 29 July 2022.

# Kiribati, an island nation (made of 33 islands) in the Pacific Ocean



Families in Kiribati, especially those new to the island nation, are often forced to live in marginal areas, where flooding from high tides is increasing.

PHOTOGRAPH BY KENNEDY WARNE

Source of Photo:  
Warne, Kennedy. Sea Level Rise Explained". National Geographic. Feb 15, 2022.  
<https://www.nationalgeographic.com/environment/article/sea-level-rise-1>. Accessed 7 July 2022.

# A Tale of Two US Towns.....

As climate change impacts larger sections of US coastal towns, the idea of climate-induced migration is not longer an abstract concept that is only impacting islands in the Pacific Ocean. A 2016 study suggests that a 6 ft (1.8 m) rise in sea levels by 2100, fuelled by a collapse of the polar ice caps, could lead to 13.1 million American along the coasts losing their homes to the rising tide. Even a more modest rise of 3 feet would leave 4 million homeless. (Quartz - A Tale of Two Towns)

- Isle of Jean Charles, southeastern Louisiana (United Houma Nation Tribes)



The only road on Isle de Jean Charles.

**Quartz - A Tale of Two Towns**

JULIE DERMANISKY

- Newtok, Alaska (Yupik Tribe)



Inhospitable Newtok, as seen from above.

**Quartz - A Tale of Two Towns**

GOOGLE MAPS