

O ÁRTICO E A DEGRADAÇÃO DO PERMAFROST

JOÃO CANÁRIO

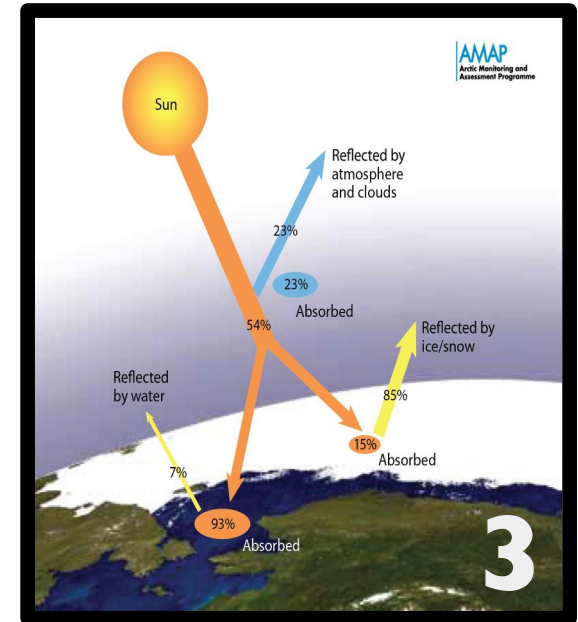
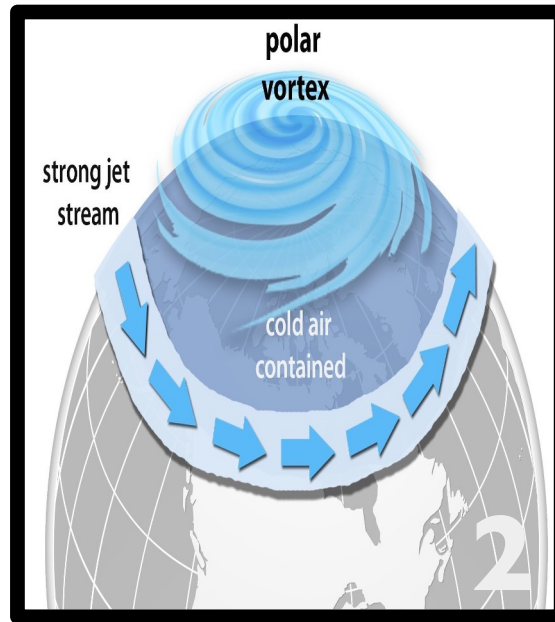
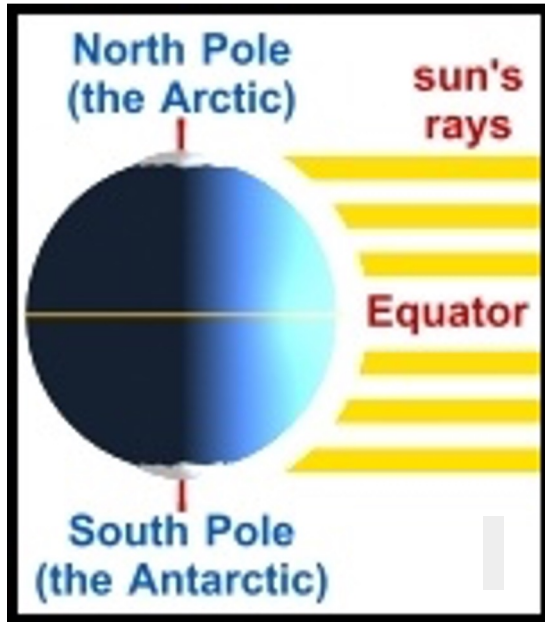
INSTITUTO SUPERIOR TÉCNICO, UNIVERSIDADE DE LISBOA, PORTUGAL



POLAR2E
Polar & Extreme
Environment

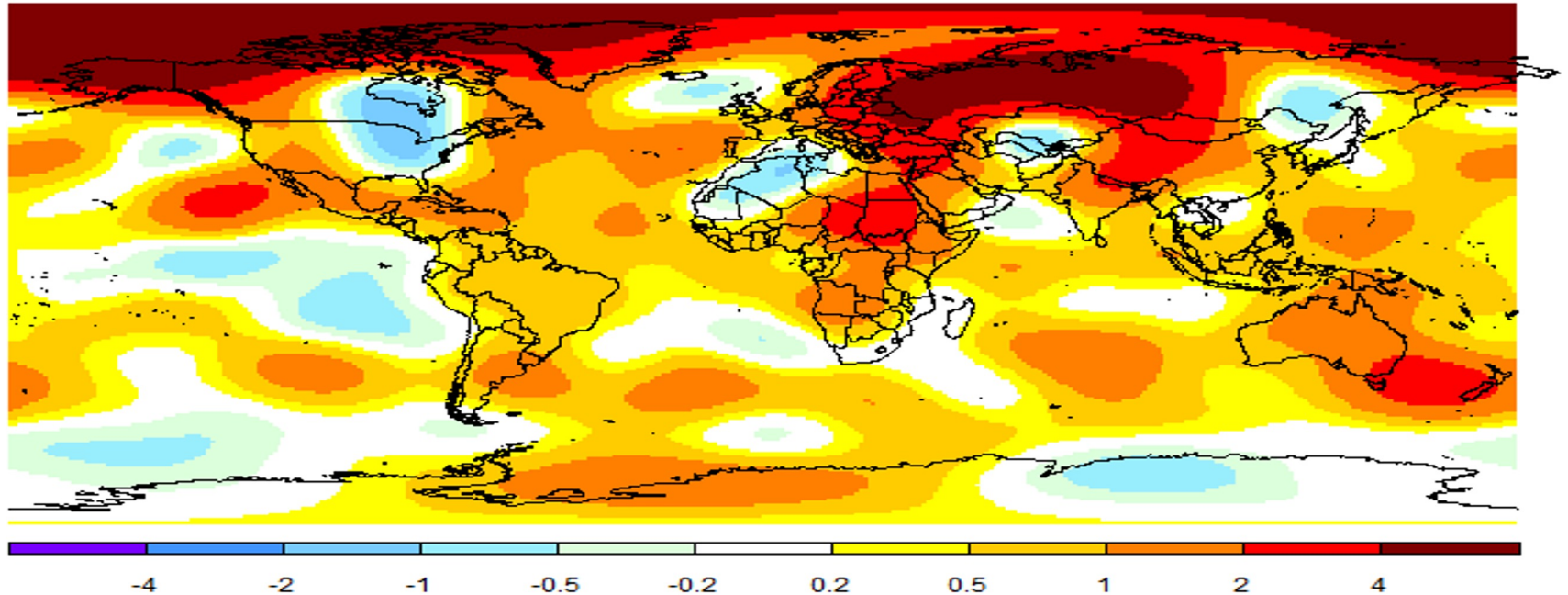
UNIVERSIDADE
DE LISBOA

PORQUE SÃO AS REGIÕES POLARES TÃO FRIAS ?

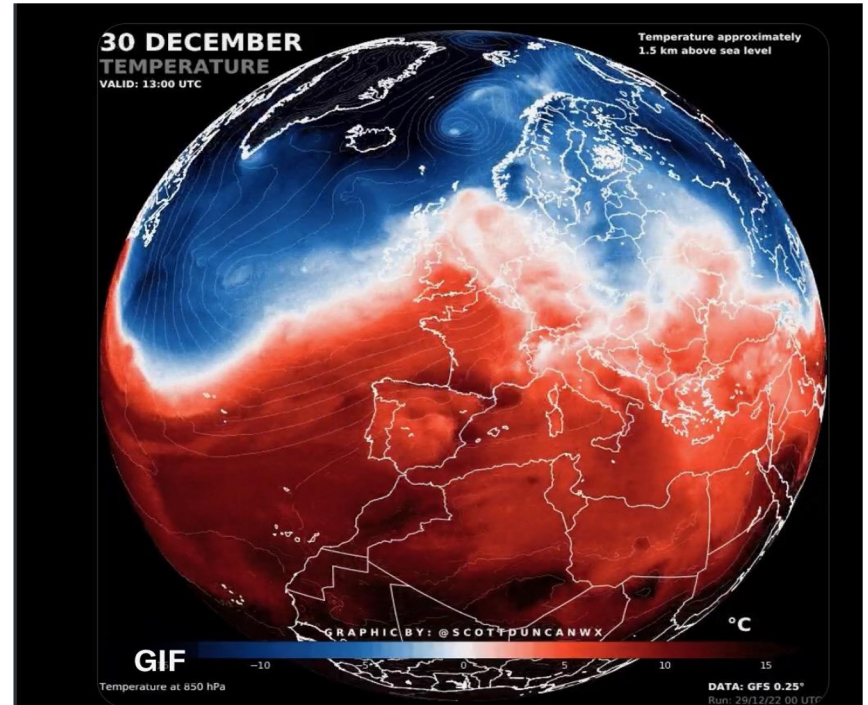
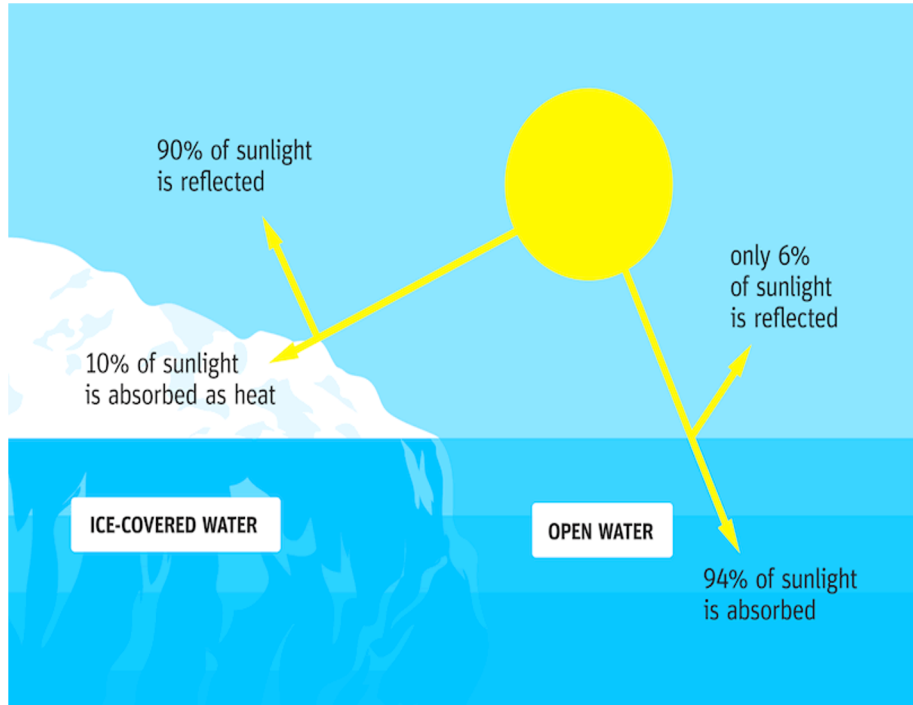


AQUECIMENTO GLOBAL E O AQUECIMENTO DAS REGIÕES POLARES

GHCNV3+ERSST TempLS V3 Dec anomalies base 1951-80, made 2018-01-31



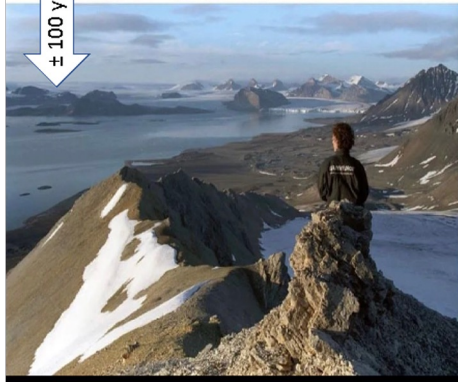
PORQUE AQUECE MAIS O ARTICO DO QUE O RESTO DO PLANETA



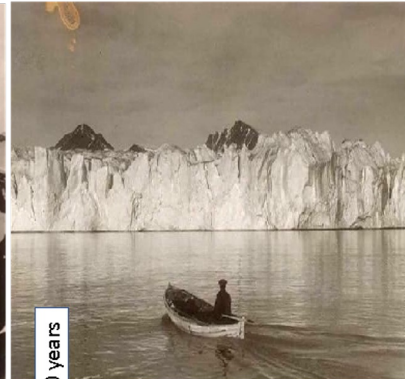
PERDA DE GELO NO ÁRTICO EM 100 ANOS



± 100 years



± 100 years



± 100 years



Forbes

Greenland Lost 12.5 Billion Tons Of Ice In One Day, A Grave Reminder Of Our Changing Planet



Trevor Nace Senior Contributor @

Science

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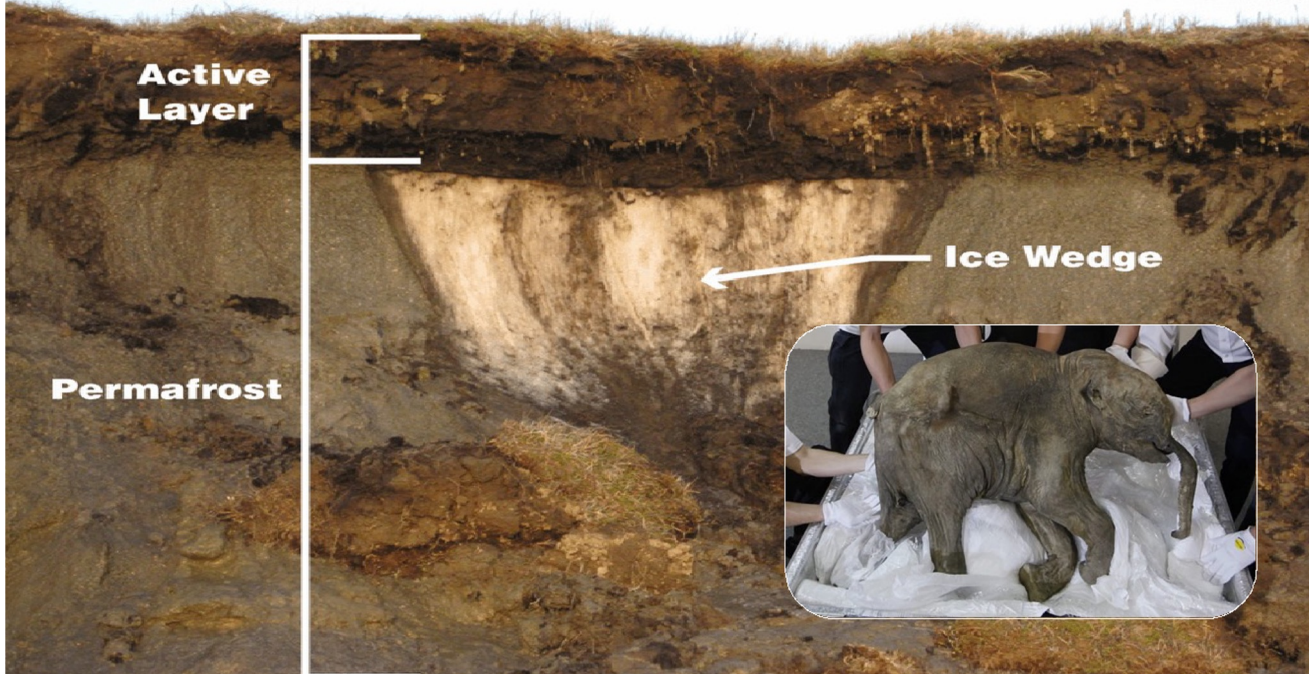




PERMAFROST (SOLO GELADO)

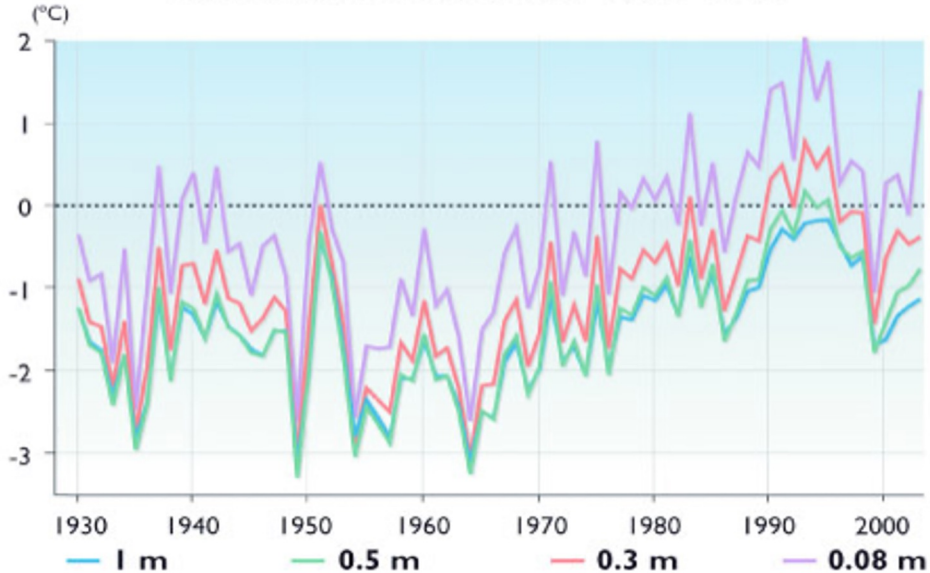
PERMAFROST THAW

Todo o tipo de solo que permanece abaixo dos 0°C pelo menos durante dois anos

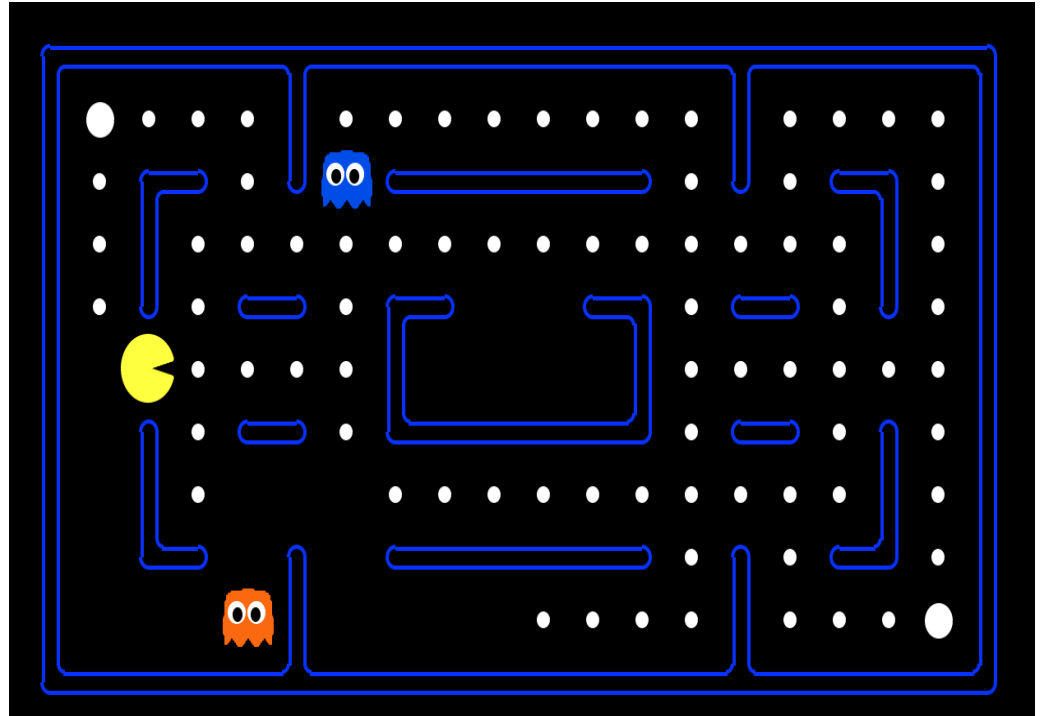
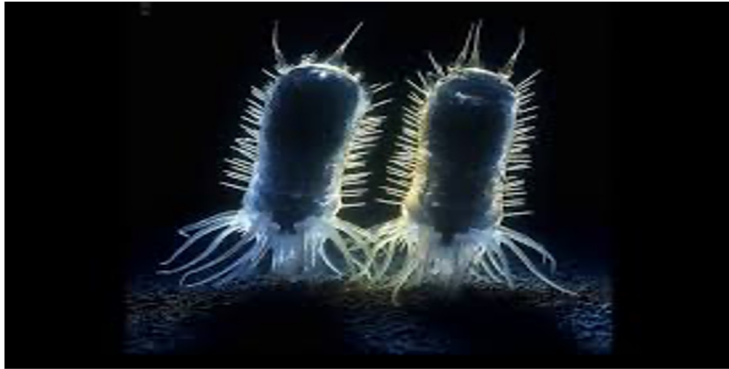


DEGRADAÇÃO DO PERMAFROST

Average Annual Ground Temperature
Fairbanks, Bonanza Creek 1930-2003



CONSUMO MATÉRIA ORGÂNICA



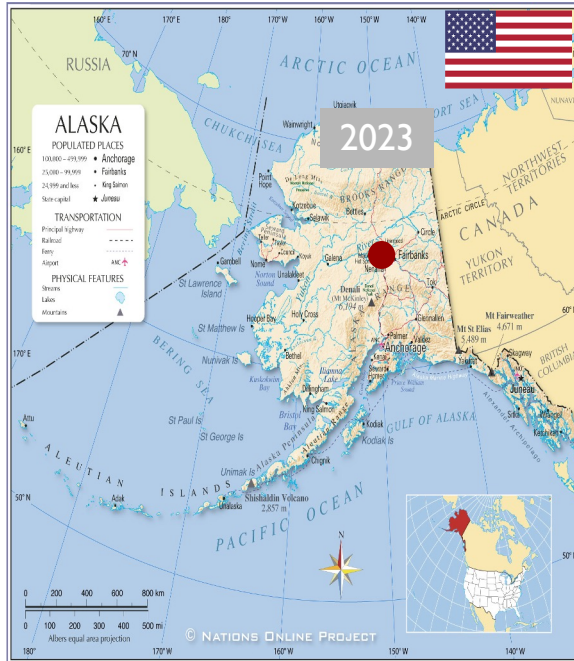


UAF - 2010 - Hunting for methane with Katey Walter Anthony

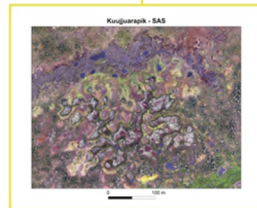


Veja o vídeo em <https://www.youtube.com/watch?v=YegdEOSQotE>

ONDE TRABALHAMOS ?



ONDE TRABALHAMOS ?



ONDE TRABALHAMOS ?



INVERNO / VERÃO

📍 Whapmagoostui-Kuujuarapik



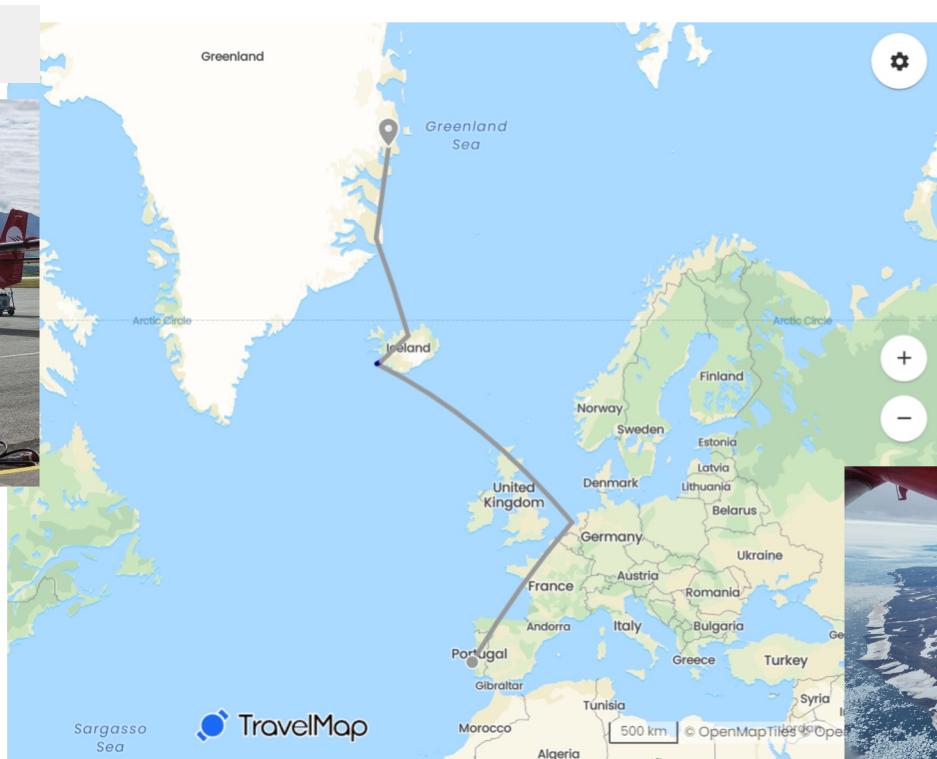
Março 2022



Agosto 2022

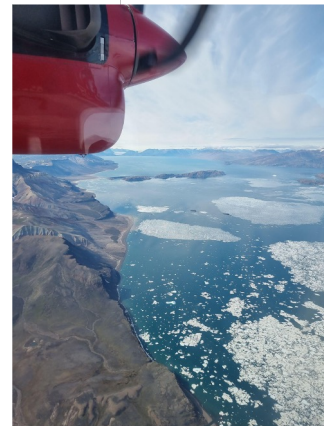
IR ATÉ À GRONELÂNDIA

 Zackenberg



- Zackenberg, Greenland - Jul 19, 2023
- Neerlerit Inaat Airport, Greenland - Jul 19, 2023
- Akureyri, Iceland - Jul 19, 2023
- Reykjavik, Iceland - Jul 19, 2023
- Keflavik, Iceland - Jul 18, 2023
- Amsterdam, Netherlands - Jul 18, 2023
- Lisbon, Portugal - Jul 18, 2023

Julho 2023



TRANSPORTES

📍 Whapmagoostui-Kuujuarapik



Março 2022



Agosto 2022

