

Robert Swan

Arctic Explorer

*The first person in history to have
walked to the North and South Poles*









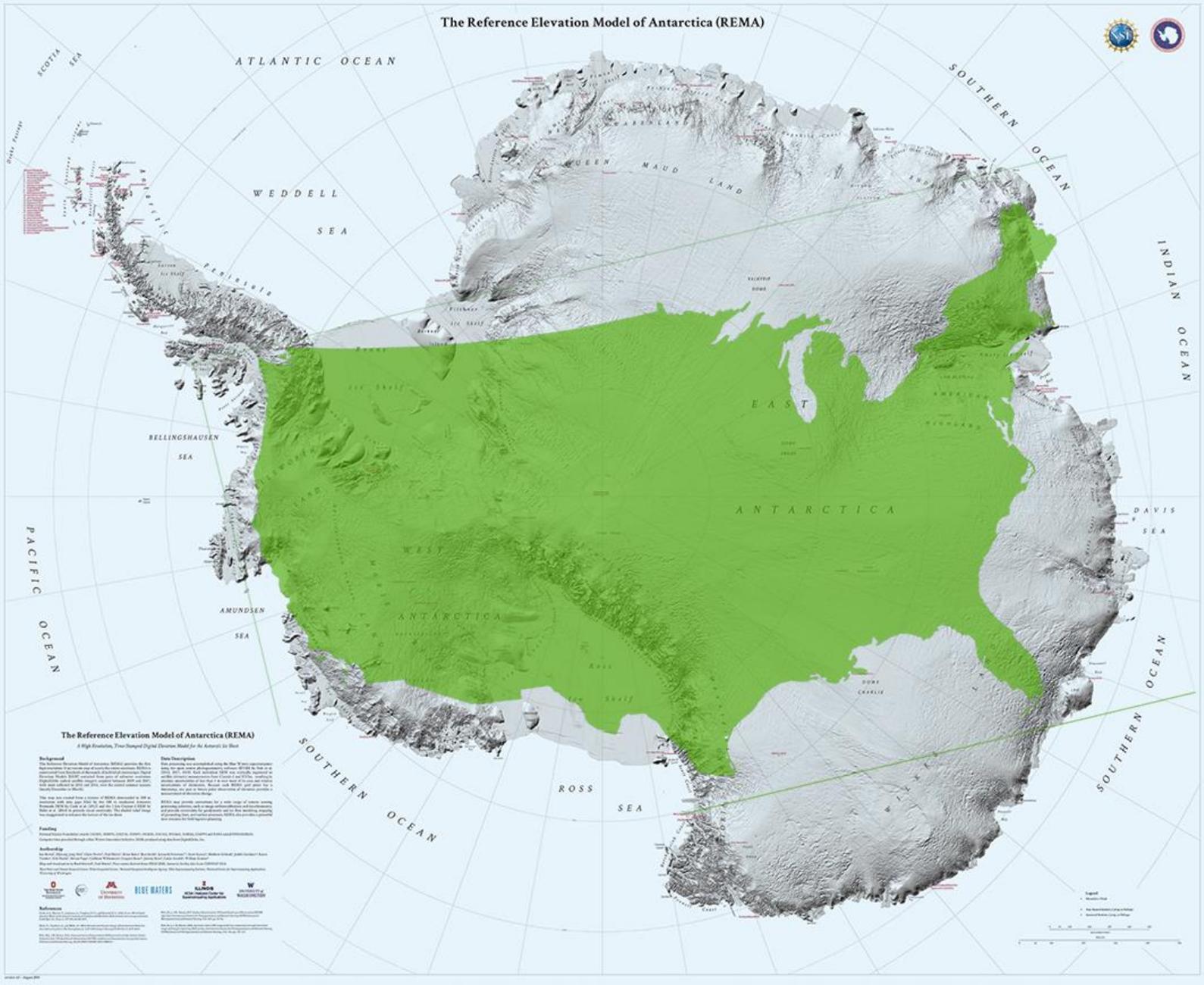




SOUTHERN QUEST
LONDON



The Reference Elevation Model of Antarctica (REMA)



The Reference Elevation Model of Antarctica (REMA)

A High Resolution, Three-Dimensional Digital Elevation Model for the Antarctic Ice Sheet

Background
The Reference Elevation Model of Antarctica (REMA) provides the most comprehensive and accurate elevation data for the continent of Antarctica. It is derived from a combination of satellite altimetry, airborne laser altimetry, and ground-based measurements. The model is designed to support a wide range of scientific and operational applications, including ice sheet modeling, sea level rise projections, and environmental monitoring.

Data Description
REMA is a high-resolution, three-dimensional digital elevation model of the Antarctic continent. It covers the entire continent, including the ice sheets, ice shelves, and ice streams. The model is based on a combination of satellite altimetry, airborne laser altimetry, and ground-based measurements. The data is presented in a grid format, with a resolution of 100 meters. The elevation is measured in meters above sea level.

Funding
REMA was funded by the National Science Foundation (NSF) and the Antarctic Research Center (ARC) at the University of Wisconsin-Madison. The project was led by Professor John Brunt.

Authorship
REMA was developed by a team of scientists and engineers from the University of Wisconsin-Madison and the National Science Foundation. The team includes John Brunt, David Braaten, and others.

References
Brunt, J., Braaten, D., et al. (2010). The Reference Elevation Model of Antarctica (REMA). Antarctic Research Review, 34, 1-10.



































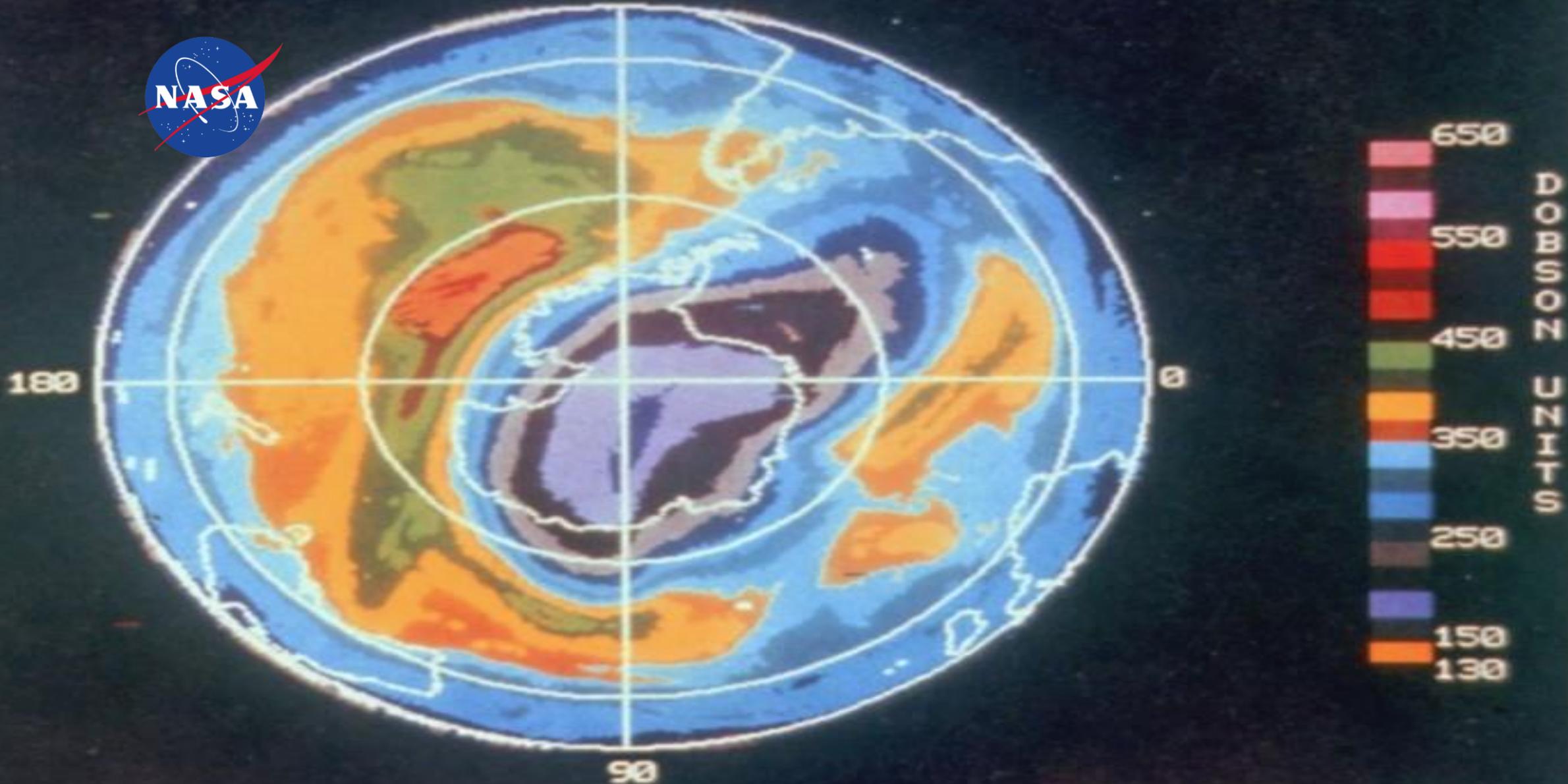






NIMBUS-7 : TOMS OZONE

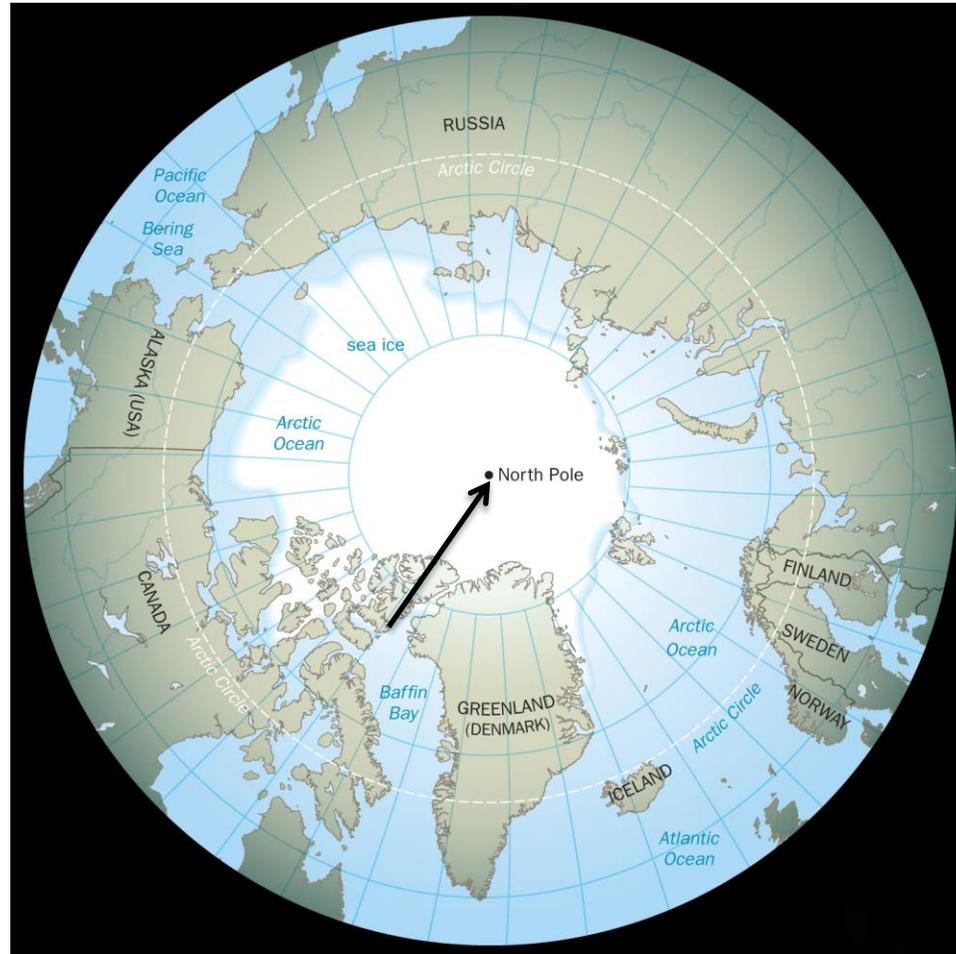
270



ANTARCTIC OZONE HOLE

OCT 10, 1986

ICEWALK- NORTH POLE













ICEWA

ROSS

ROSS

ICEWA
ROSS

89 3 29







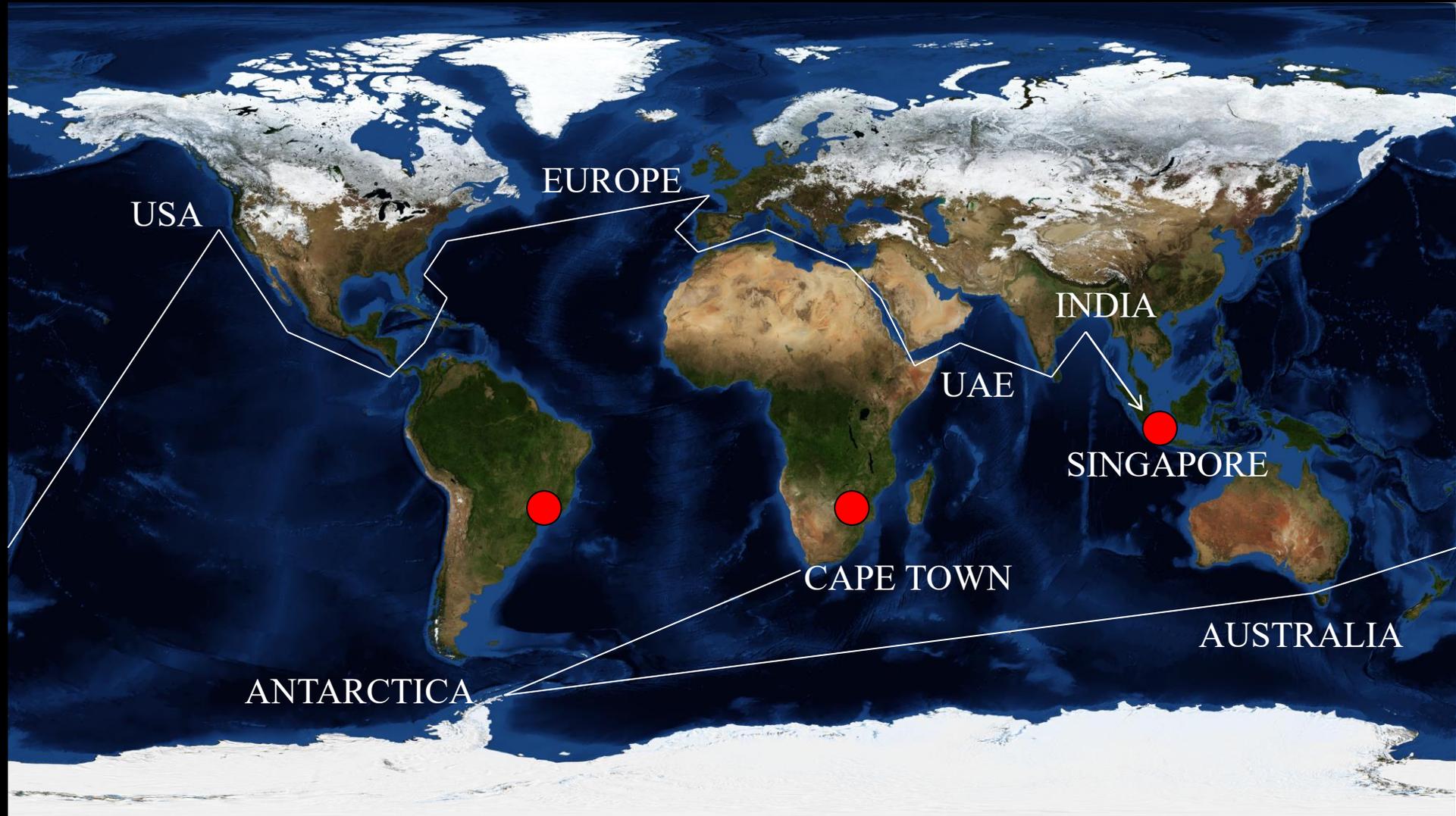




A topographic map of the world, rendered in shades of blue and purple. The map shows the continents and oceans with varying elevations and depths. Overlaid on the map is the text '2041' in a large, bold, white font, enclosed in single quotation marks. The text is centered horizontally across the map.

‘2041’

VOYAGE FOR CLEANER ENERGY 2002-2012





GBR
2041L

bp
GBR
2041L

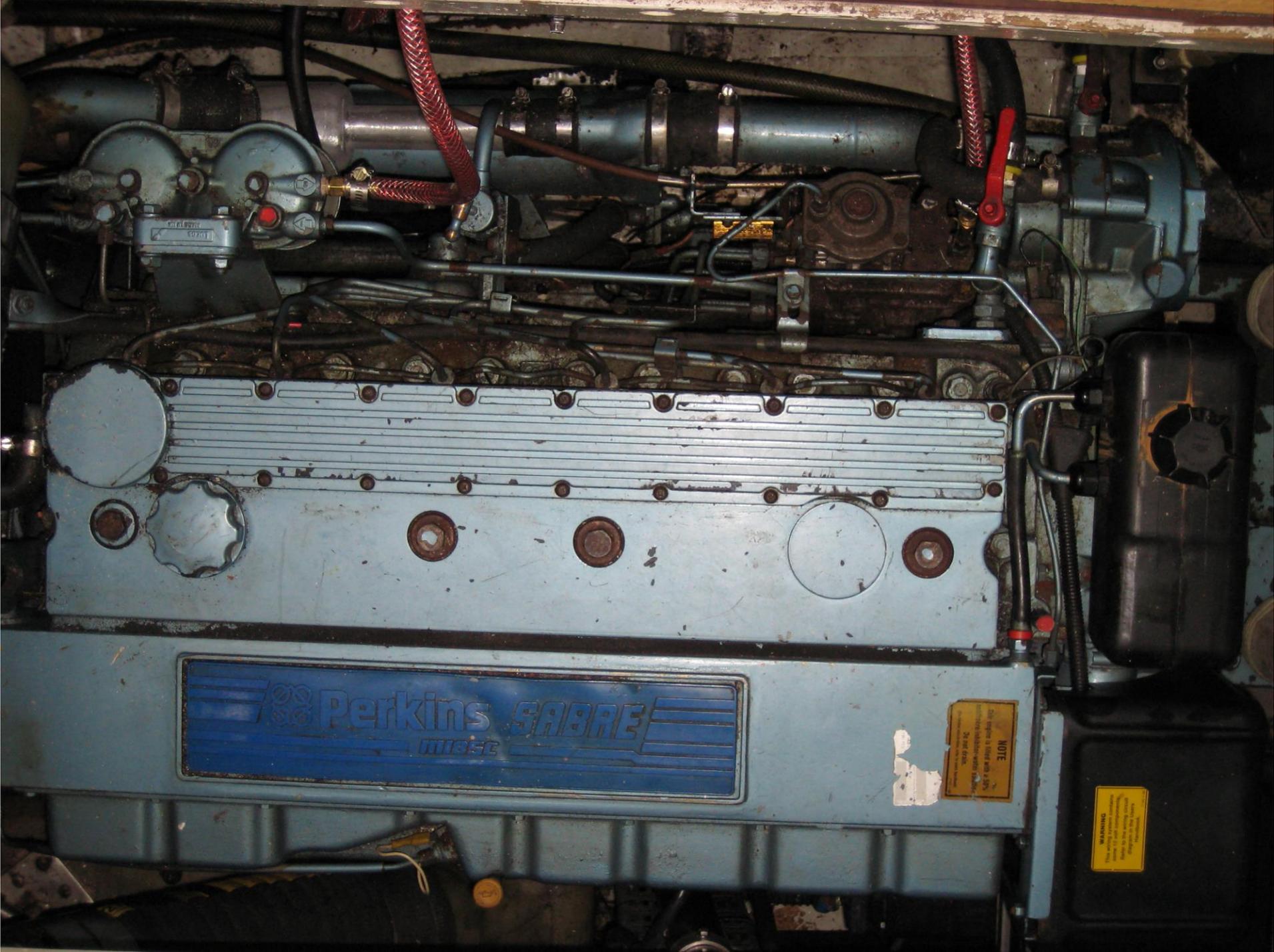
2041

Voyage for Cleaner Energy





G24 Innovations



 Perkins SABRE
M135C

NOTE
This engine is rated with a 2.5KW
output. It is not recommended to
operate at full throttle for extended
periods.

WARNING
This engine is not to be used for
propulsion. It is intended for
auxiliary power only. Do not
operate at full throttle for
extended periods.

2003-2022

4100 PEOPLE

87 NATIONS



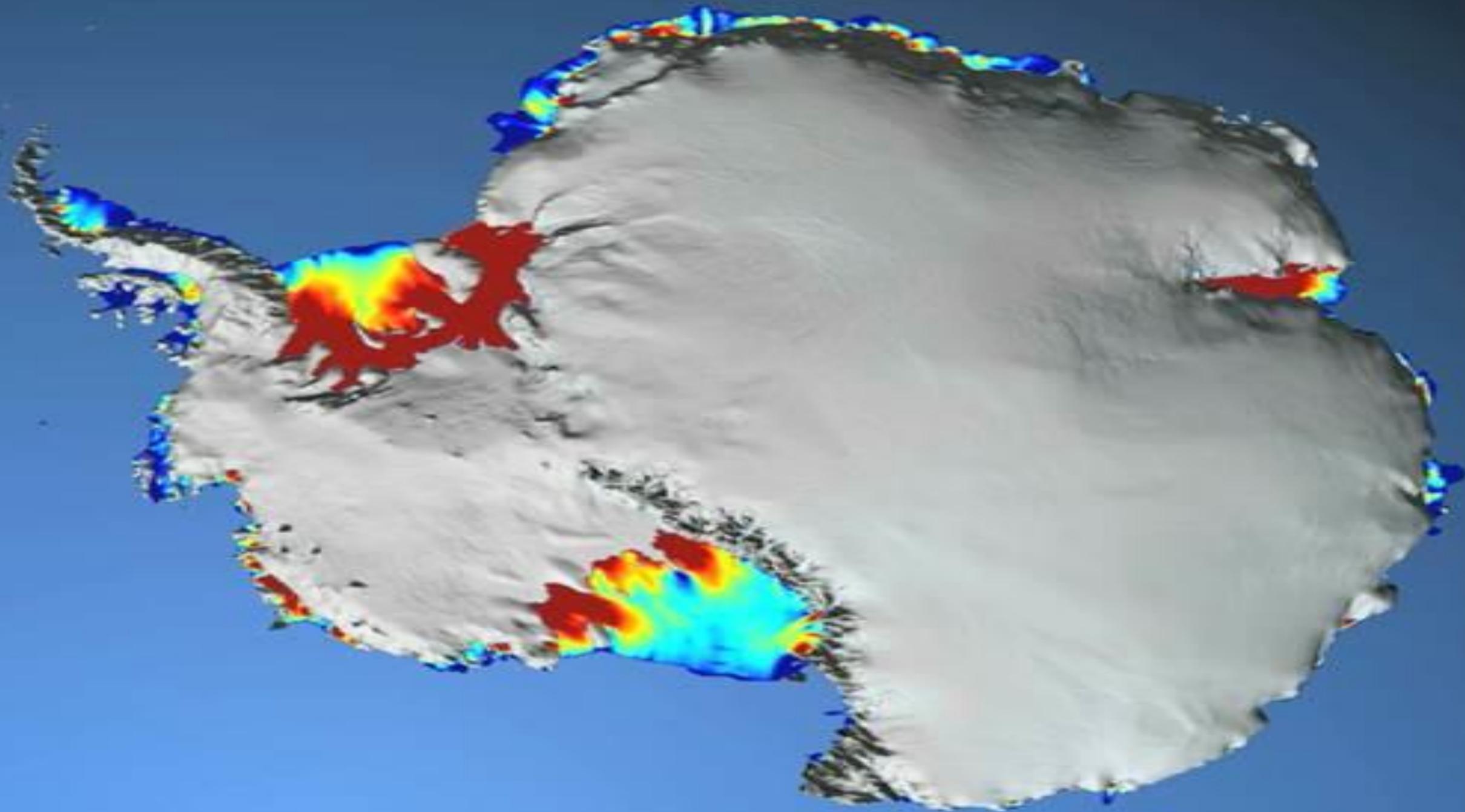


















Community
Development
Programme

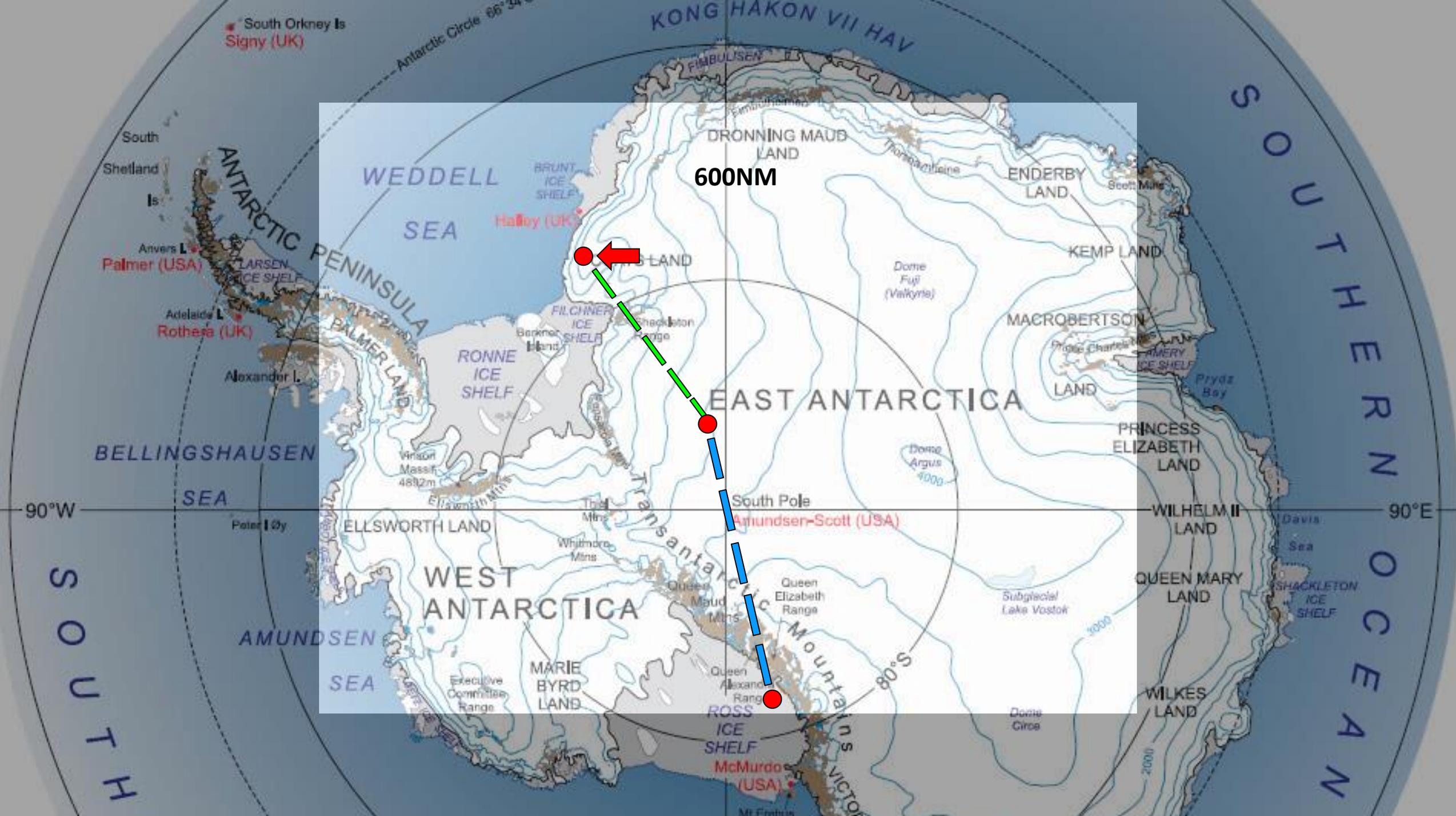
Row 3

The background of the image is a dense, crumpled texture of translucent blue plastic, creating a sense of environmental pollution. In the center, the year '2041' is rendered in a large, bold, dark blue font. The numbers '0' and '1' are solid, while the '2' and '4' are filled with a detailed image of the Earth, showing continents and oceans. Below the year, the text 'THE CLIMATEFORCE CHALLENGE' is written in a clean, black, sans-serif font, centered horizontally.

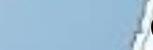
2041

**THE CLIMATEFORCE
CHALLENGE**

Image courtesy of Shutterstock



600NM



South Orkney Is
Signy (UK)

Anvers L
Palmer (USA)

Adelaide L
Rothesa (UK)

Halley (UK)

DRONNING MAUD
LAND

ENDERBY
LAND

KEMP LAND

MACROBERTSON
LAND

PRINCESS
ELIZABETH
LAND

WILHELM II
LAND

QUEEN MARY
LAND

WILKES
LAND

EAST ANTARCTICA

WEST
ANTARCTICA

South Pole
Amundsen-Scott (USA)

MARIE
BYRD
LAND

ROSS
ICE
SHELF

McMurdo
(USA)

ANTARCTIC PENINSULA

BELLINGSHAUSEN
SEA

SEA

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WEDDELL
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BRUNT
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RONNE
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FILCHNER
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ELLSWORTH
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South Pole

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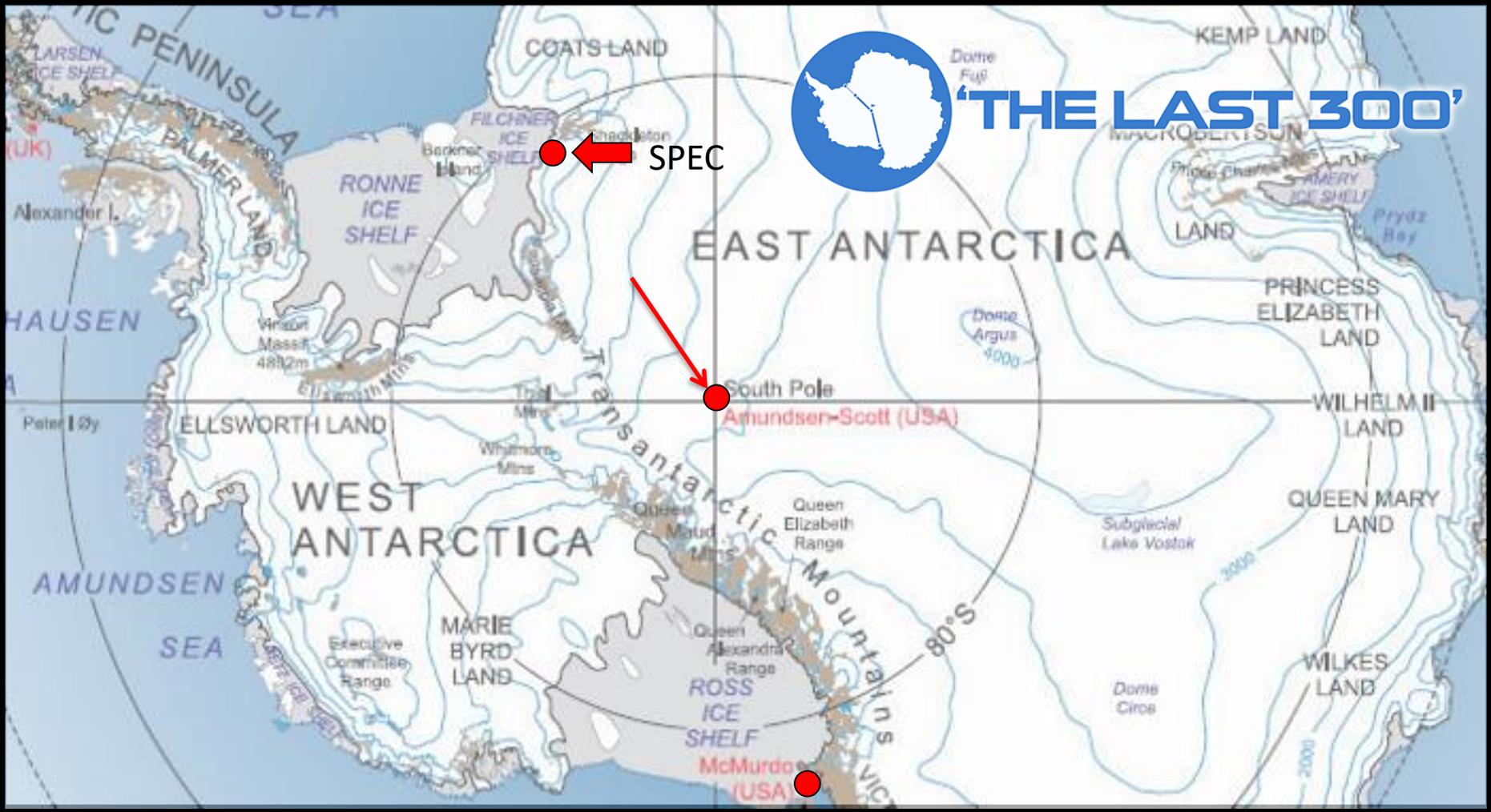












SPEC

South Pole
Amundsen-Scott (USA)

McMurdo (USA)



'THE LAST 300'





'THE LAST 300'

150 miles to
go





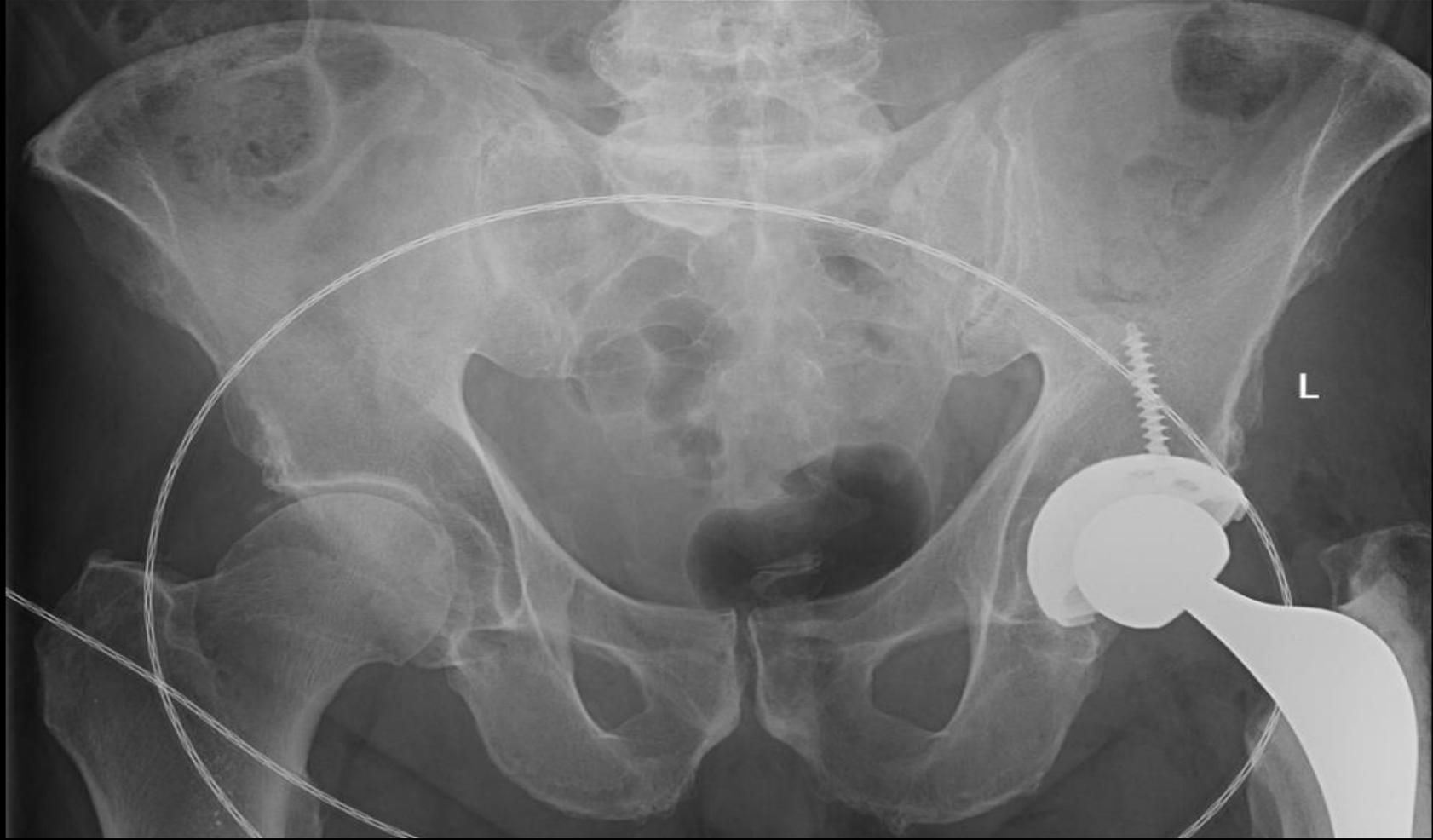
'THE LAST 300'

**97 miles to
go**









'UNDAUNTED'
South Pole Expedition
December 2022/January 2023







Team
Leader

2041

THE
NORTH
FACE

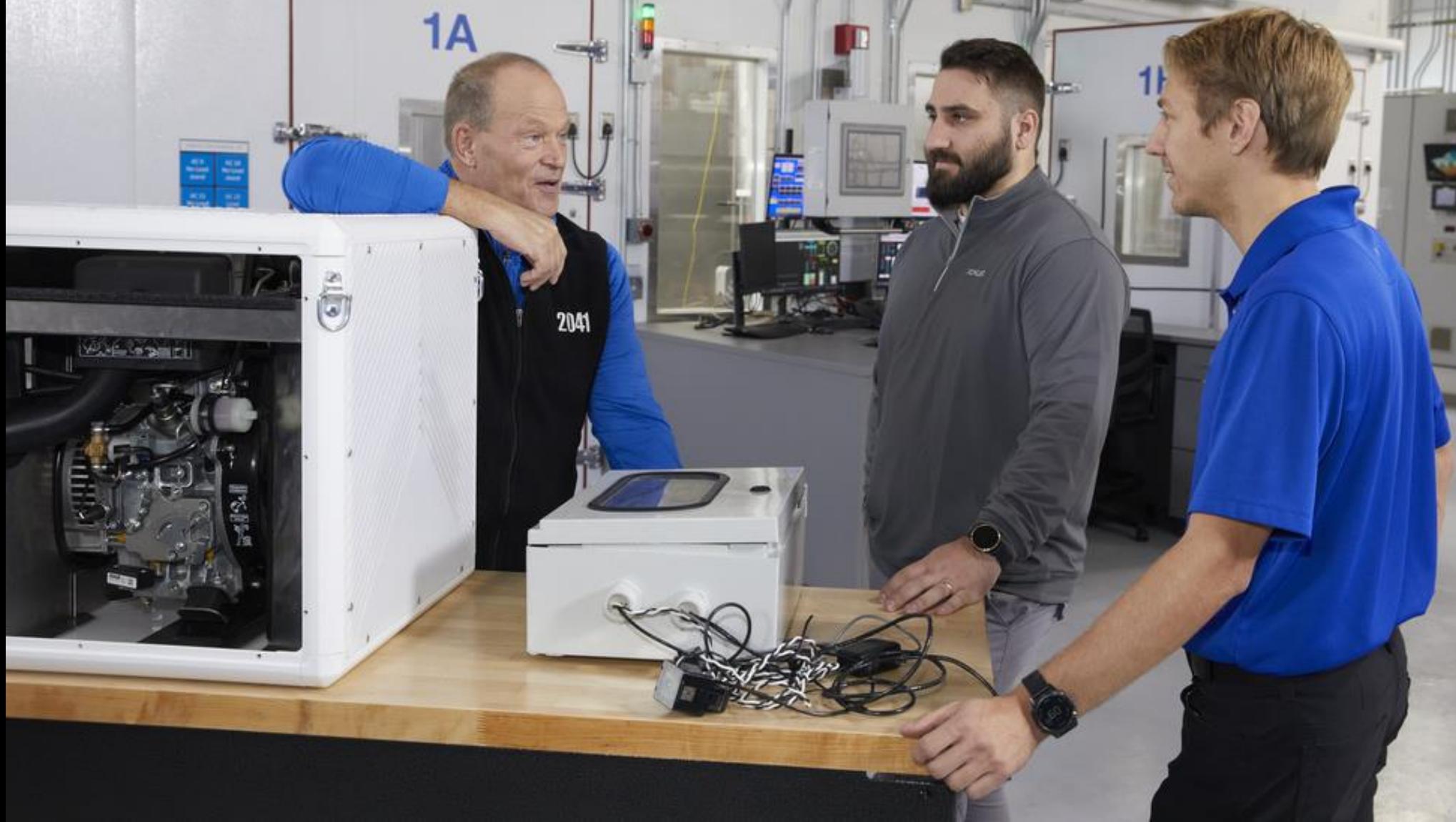
MODERN

SIBERIA COLD CHAMBER

1A



2041













KOHLER





KOHLER

SOLAR FLEX











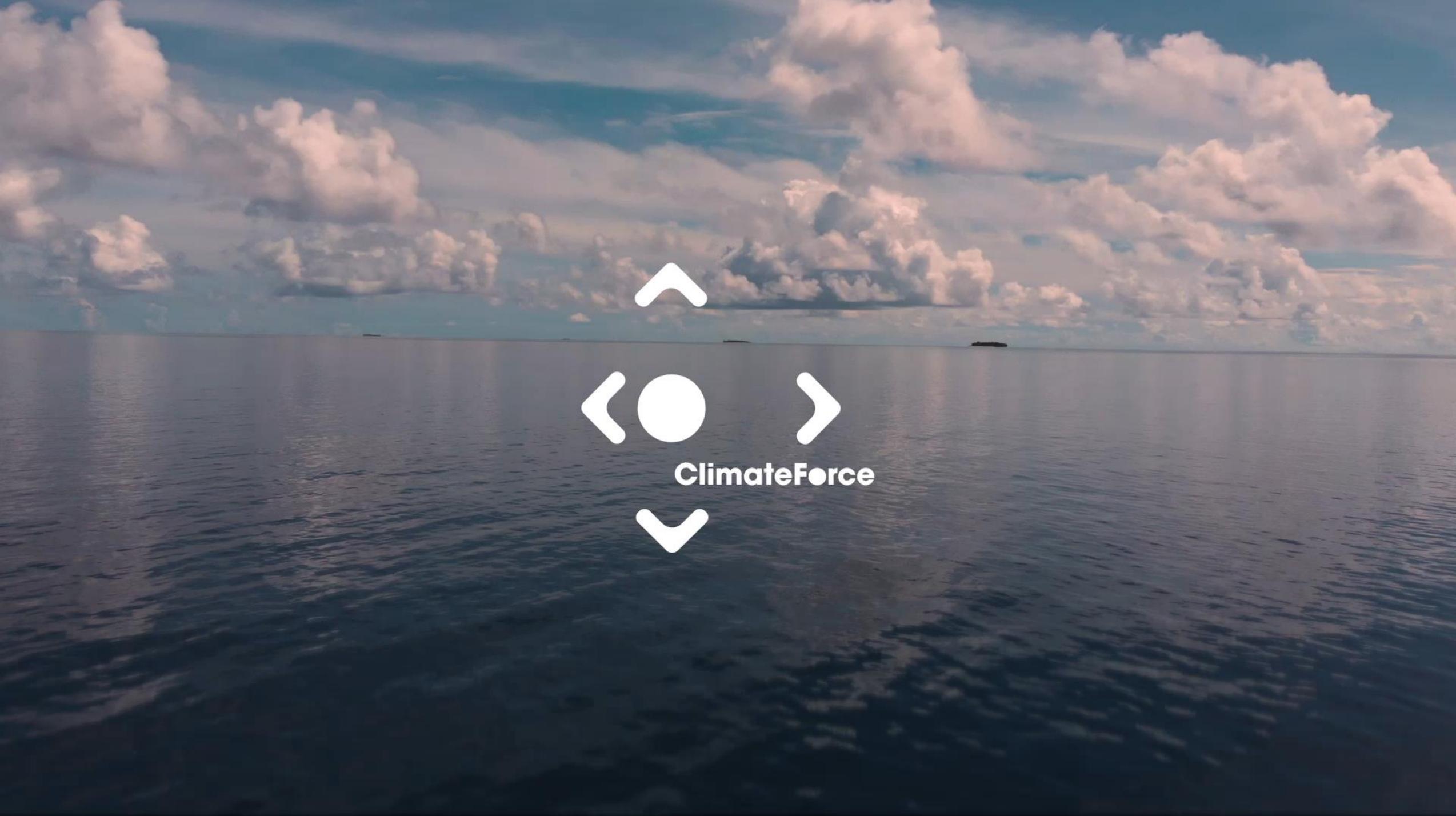




King Gee

204

ClimateForce



ClimateForce



A blue-toned topographic map of the United States, showing terrain features like mountains and rivers. The year '2041' is overlaid in large, bold, white, sans-serif font across the center of the map.

‘2041’



2041 Schools

www.2041school.com

Robert@Robertswan.com