POLAR CHALLENGE

Be the first to complete a 2000 km continuous mission with an Autonomous Underwater Vehicle (AUV) under the sea ice.

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POLAR CHALLENGE

CONTEXT
The cryosphere plays a fundamental role in the climate system. We need much better monitoring and prediction capabilities for the polar regions.

CHALLENGES AND OPPORTUNITIES
Polar observations are expensive, risky and sparse. We can expand AUVs’ endurance, navigation and communication capabilities to operate under the sea ice.

VISION
A cost-effective, sustainable and autonomous polar ocean monitoring system to drive a new era for climate research and services.