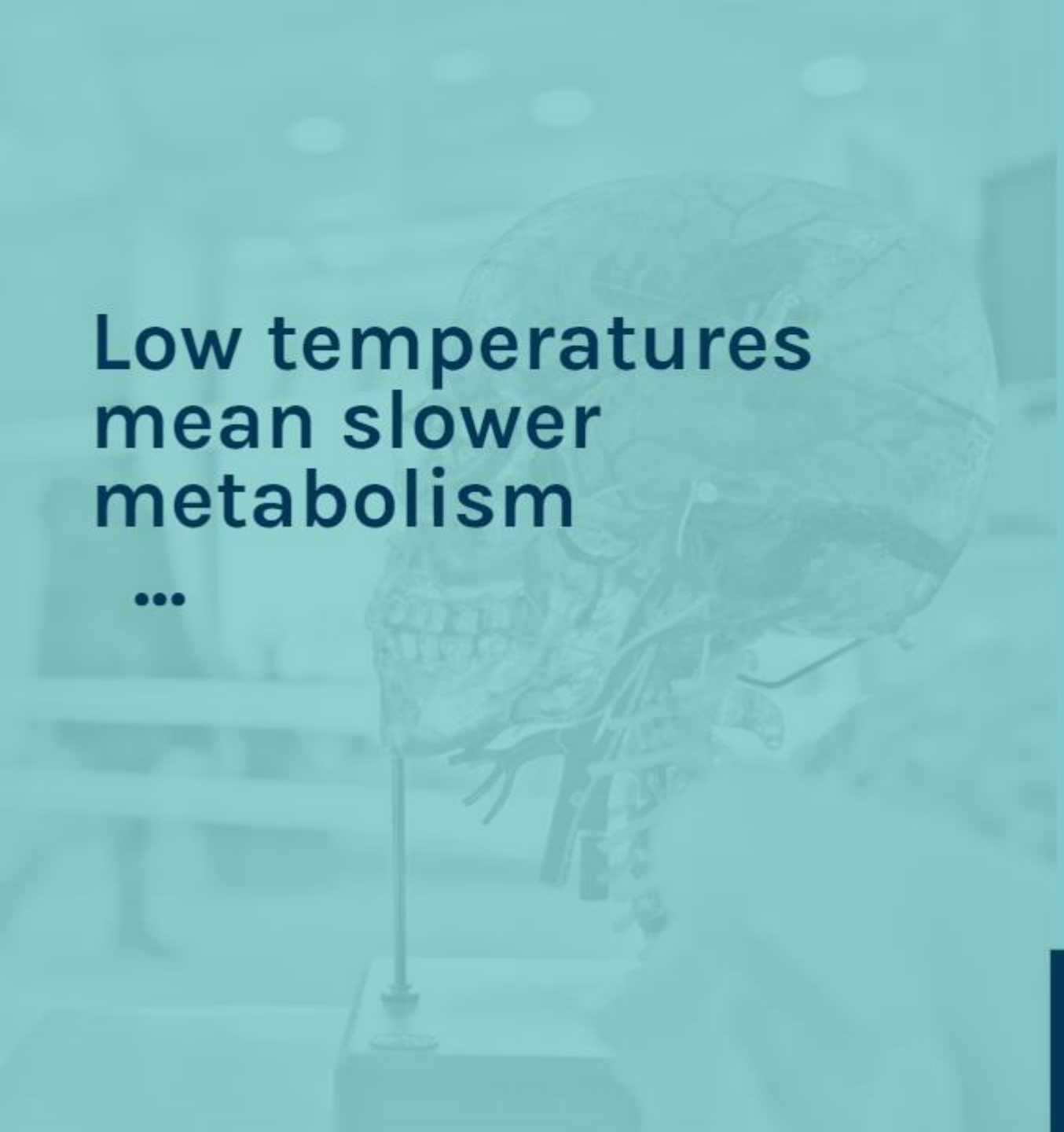
TOXINS IN THE

ARCTIC

Why are toxins

PARTICULARLY
DANGEROUS
IN THE ARCTIC



Low temperatures mean slower metabolism

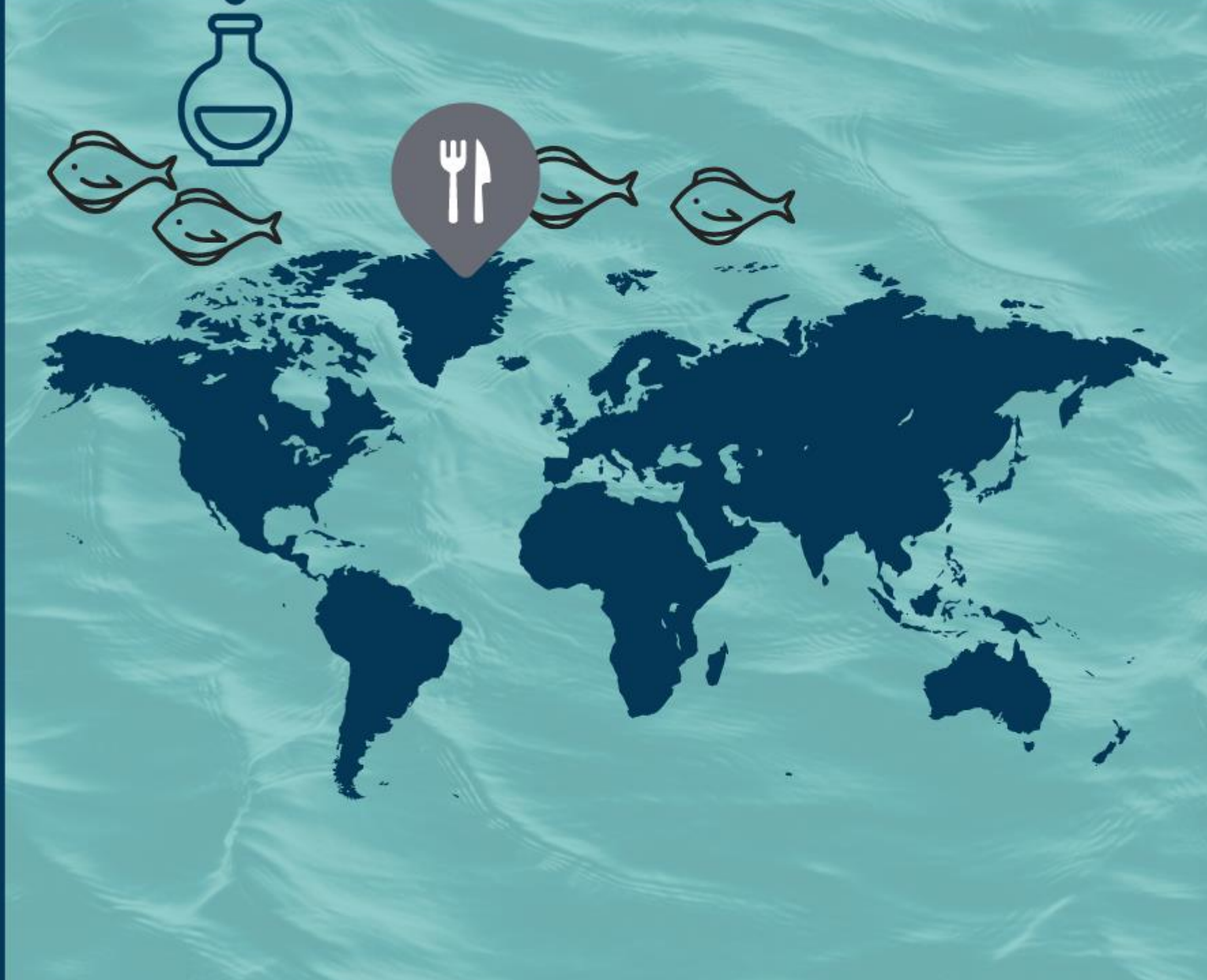
...

... and slower growth rate for Arctic marine life

As growth rate of organisms in this area is reduced, their bodies contain higher mercury concentrations

THAN IN AREAS WITH WARMER TEMPERATURES WHERE GROWTH RATE IS ACCELERATED

CONTAMINATED SEAFOOD POSES SIGNIFICANT HEALTH RISKS FOR HUMAN CONSUMPTION, PARTICULARLY IN COMMUNITIES RELYING HEAVILY ON MARINE FOODS AS A SOURCE OF NUTRITION AND SOCIO-ECONOMIC WELLBEING



CLIMATE CHANGE

Ocean acidification *Ocean warming* *Deoxygenation*

amplify these impacts by increasing the exposure and bioaccumulation rates for contaminants in marine food webs