

Fish species

Brook trout, Cisco, Lake whitefish, Salmon, Arctic Char

- Vulnerability of Brook trout, Cisco & Lake whitefish to climate change.^{1,2}
- Genetic structure of Atlantic Salmon in Ungava Bay.¹
- Arctic Char flesh characteristics (colour, fat, etc.), the link to the fish diet and its vulnerability to climate change.^{3,4,5}
- Habitat of migratory Arctic Char in fresh water, based on Inuit and scientific knowledge.⁶
- Dietary preferences and importance of Arctic Char to Inuit, and the impacts of global changes on its flesh quality (colour, fat, etc.).^{3,4,5,15}
- Assess how ecosystem changes are affecting Arctic Char fisheries, while contributing to the development of monitoring programs.^{3,4,5,15}
- Support for the Arctic Char hatchery in Kuujuaq and Inukjuak.^{3,5}



¹ Louis Bernatchez



² Anne-Laure Ferchaud



³ Jean-Sébastien Moore



⁴ Marianne Falardeau-Côté



⁵ Sara Bolduc



⁶ Véronique Dubos

*Numbers in exponent represent the projects associated with the researchers involved.



⁷ Ariane Barrette

Selenoneine

Beluga, mussels

- Understand where the selenoneine in beluga mattaq is coming from.^{8,9,15}
- Links between the marine environment and selenoneine in belugas and bivalves.^{7,8,9,18}



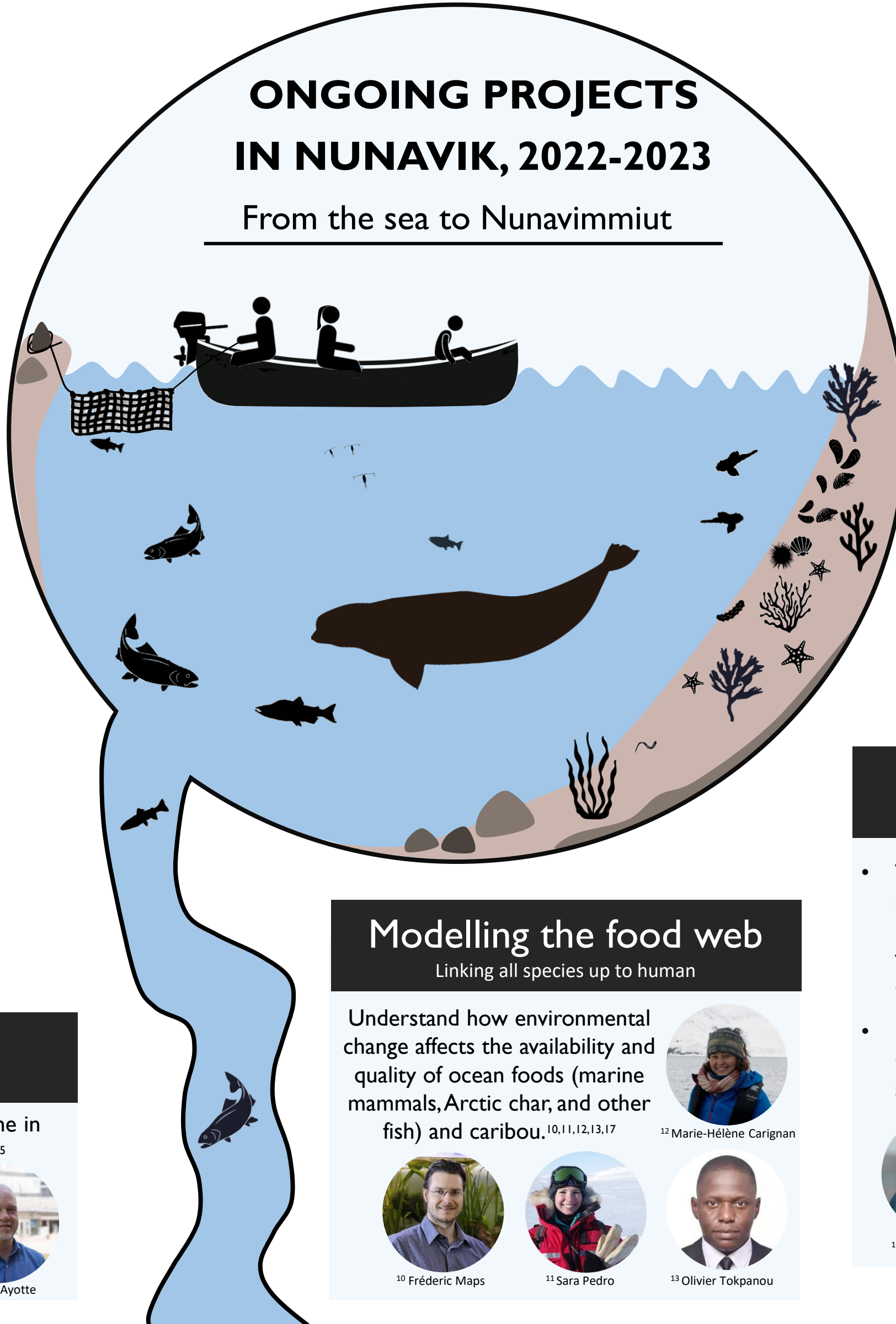
⁸ Jean-Éric Tremblay



⁹ Pierre Ayotte

ONGOING PROJECTS IN NUNAVIK, 2022-2023

From the sea to Nunavimmiut



Modelling the food web

Linking all species up to human

Understand how environmental change affects the availability and quality of ocean foods (marine mammals, Arctic char, and other fish) and caribou.^{10,11,12,13,17}



¹² Marie-Hélène Carignan



¹⁰ Frédéric Maps



¹¹ Sara Pedro



¹³ Olivier Tokpanou

Tinninimiutait

Algae, mussels, scallops, sculpin

- Assessing the potential of Tinninimiutait to increase food security and sovereignty.^{15,18,19,20,21,22}
- Ecosystem benefits associated with seaweeds.^{18,21}
- Using mussels for monitoring the state of health of coastal marine environments.^{4,18}



¹⁸ Philippe Archambault



¹⁹ Lucie Beaulieu



²⁰ Marcel-Alexander Velasquez-Sayago



²¹ Ladd-Erik Johnson



²² Khashiff Miranda

Linking to Inuit Health

- The roles of culture, health messaging, conservation, and Inuit knowledge in country food access, preferences and decision-making.¹⁴
- Different projects linking environment to Qanuilirpitaa findings and Inuit diet, food security and health.^{4,9,15,16,17}



¹⁴ Matthew Little



¹⁵ Mélanie Lemire



¹⁶ Amira Aker



¹⁷ Tiff-Annie Kenny