



Arctic Biodiversity and Ecosystem research: A tentative synopsis

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Point 1: The exploration of the Arctic is not over!





Point 2:Expertise

- **There is a strong French expertise in Polar research**
- **This expertise is trans-disciplinary**
- **In ecology a vivid French community works in the marine domain**
- **The North Atlantic Arctic appears as an essential research ground.... but not exclusively**



Point 2: Objective and question

- **Objective: Understand and predict the effect of environmental change on Arctic biodiversity and ecosystems (including humans)**
- **Research question: what is the near (decadal and multi-decadal) future of Arctic biodiversity and ecosystems, and of human societies depending upon them?**

Example: What are the (present and future) impacts of climate change on species distributions in the Arctic?



Point 3: Strategy

- **Build an International Arctic Ecoscope:**
 - 1) **Reinforce existing long-term monitoring, structures, collaborations and networks**
 - 2) **Design dedicated, additional, integrative initiatives e.g. in the marginal ice zone**
 - 3) **Securing funding: state support but also alternative sources?**
 - 4) **Adapt and develop tools forecasting biodiversity scenarios**