Topic:

Thresholds and tipping points. Adding pressures on Ecosystems and forcing inevitable ecosystem’s state change.

Conference Title:

"Thresholds, Tipping Elements and Tipping points in the Arctic Marine Ecosystem"

Author:


Abstract:

The Arctic marine ecosystem is undergoing rapid climate change, setting in motion a number of processes and mechanisms that may accelerate change, regionally and globally. Here I provide evidence for the rapid accelerating pace of climate change in the Arctic, identify the tipping elements that can be affected by these changes and examine, based on observational and experimental work conducted over the past 7 years, the key thresholds affecting the marine ecosystem.

References:

Tipping elements in the Arctic marine ecosystem
**Abrupt climate change in the Arctic.**

**Experimentally determined temperature thresholds for Arctic plankton community metabolism**