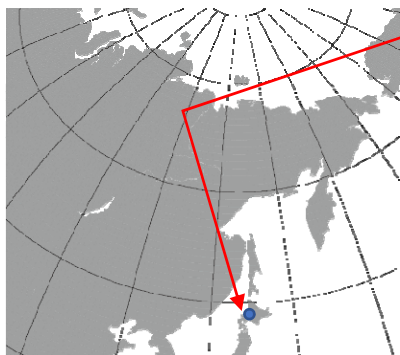


International seminar on Arctic Future, Trans-disciplinary discussion of transforming Arctic and human society

Organizer : 1: Hokkaido University Arctic Research Center
2: GI-CoRE(Global Institution for Collaborative Research and Education,
Hokkaido University)
3: J-ARC Net(Japan Arctic Research Network Center)

Date : March 9, 2020, 10:00-17:30

Venue : Seminar room B&C, 4F of Creative Research Center "Sosei",
North 21 West 10, Kita-ku, Sapporo,
Hokkaido, Japan 001-0021
創成科学研究棟4階、セミナールームB&C



Back ground

Against the background of rapid climate change in the Arctic, Arctic societies are facing wide range of problems in social, economic, political, cultural and others. And it is apparent that the effects of these issues are expanding to non-Arctic regions. These broad array of changes and problems could not be dealt by specific research field.

Purpose

This seminar is planned to yield a clue of the new way of Arctic research through the discussion by trans disciplinary researchers. Speakers are expected to present the problems that the Arctic is facing, and to show an idea of the future possibility of that issues from their expertise, freely. In this regard, researchers from broad range of research fields are expected to join the seminar, and exchange their ideas on future Arctic.

地球気候変動が急速に顕在化する北極域では、自然環境の変化とともに、北極地域における社会・経済・文化などの分野において、すでに多くの問題や課題が表出している。また、この変化や表出する問題は、非北極圏社会にも影響を及ぼしつつある。これら広域的、かつ広範な変化や問題は、単一の専門的学術領域だけで対処できるものではなく、細分化された専門領域を横断・総合した検討もまた重要なアプローチ方法であるといえる。では、これからの北極域の研究アプローチのありかたはどのようなものであろうか。そのヒントを得ることを求めて、本セミナーでは、多様な専門分野から、今日の北極域が直面している課題を提示するとともに、可能な範囲で、それぞれの専門分野・視点のもと、その問題をめぐって北極域は、あるいは個々の問題は将来どうなる可能性があるか、平易に論じます。

参加無料です。会場都合のため、定員 50名といたします。ご参加希望の方は、極力事前に (yoshida@arc.hokudai.ac.jp)まで、お名前・ご所属と職名・連絡先(Email等)をおしらせください。
担当：大塚・吉田(tel:011-706-9074、011-706-9021)

Draft schedule

Time(includes 10min discussion)	Speaker	Topic
10:00-10:05	Opening/N.Otsuka	Background and objective
10:05-10:55	Keynote: Aldo Chircop <i>Professor of Law,</i> <i>Dalhousie University*</i>	How the regulation of Arctic shipping has developed, where it stands today and where it might be going in the near future.
10:55-11:35	Fujio Ohnishi <i>Associate Prof.(ARC)</i>	International politics in the Arctic
11:35-12:15	Minori Takahashi <i>Assistant Prof.(ARC&SRC)</i>	Rethinking Whaling in Relation to Ritual and Taboo: A Consideration of the Present Situation of Arctic Indigenous Societies with a Focus on Greenland
12:15-13:30	Lunch	<i>(Lunch box is served for speakers)</i>
13:30-14:10	Jorge Garcia Molinos <i>Assistant Prof.(ARC)</i>	Distribution shifts of marine taxa in the Arctic under contemporary climate changes
14:10-14:50	Juha Saunavaara <i>Assistant Prof.(ARC)</i>	Trans Arctic fiber optic cable and regional development
14:50-15:00	Coffee break	
15:00-15:40	Daisuke Harada <i>Japan Oil, Gas and Metals National Corporation</i>	Rising oil & gas flow from Russia to East, ~Current status, role of the Arctic and challenges in the future <i>Increasing flow from the Arctic, successful Yamal and behind, sanctions, outlook of Japan's energy supply</i>
15:40-16:20	Natsuhiko Otsuka <i>Professor(ARC)</i>	Arctic Shipping, today and future <i>Will discuss current state of the Arctic shipping and future perspective. Focusing on navigability, economic feasibility and Russian natural resource development.</i>
16:20-16:30	Coffee break	
16:30-17:00	Natsuhiko Otsuka <i>Professor(ARC)</i>	Future scenario of the Arctic <i>Will introduce some example of scenario study on the future Arctic.</i>
17:00-17:20	Wrap-up Chaired:Natsuhiko Otsuka	
17:30	Closing	

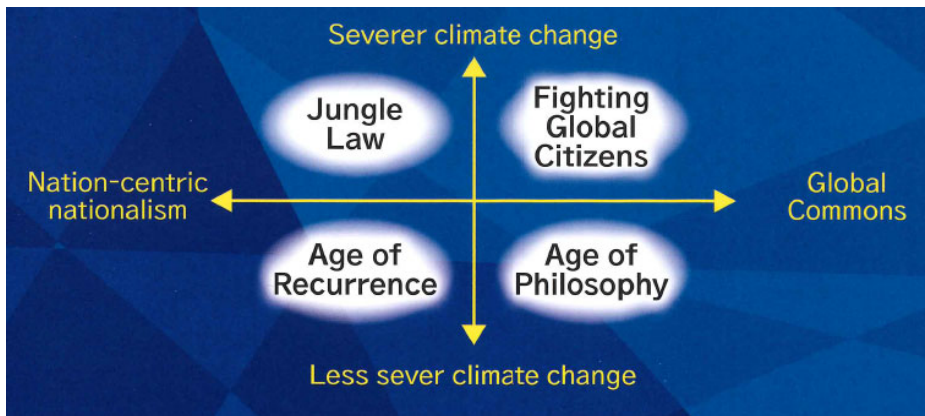
(*) Schulich School of Law , Marine Affairs Program , Department of International Development Studies, Dalhousie University

ARC: Hokkaido University Arctic Research Center

Future Arctic Scenario as preparative study ~ 2018

Brain storming workshop of 20 researchers to examine 118 future scenarios. And summarized to two axes of uncertainty of “Governance” and “Resources & Trade” from six matrices as:

- ✓Indigenous Welfare crossed with Resource Exploitation
- ✓New Resource Development crossed with Maritime Disasters
- ✓Climate Change crossed with Level of Trade
- ✓Indigenous People crossed with Rise of Asia
- ✓Legal Regime crossed with Value of Natural Resources
- ✓New Resource Development crossed with Legal Regime



Jungle Law

Power games between nations and focusing on protecting own interest. Climate change becomes worse and mitigation against climate change doesn't work. In the Arctic, there are huge changes in environment, but economic development is limited.

Age of Recurrence

Power games between nations and focusing on protecting own interest. Climate change is better than expected. Similar to the cold war, and economic development is of same level of 2017 or less.

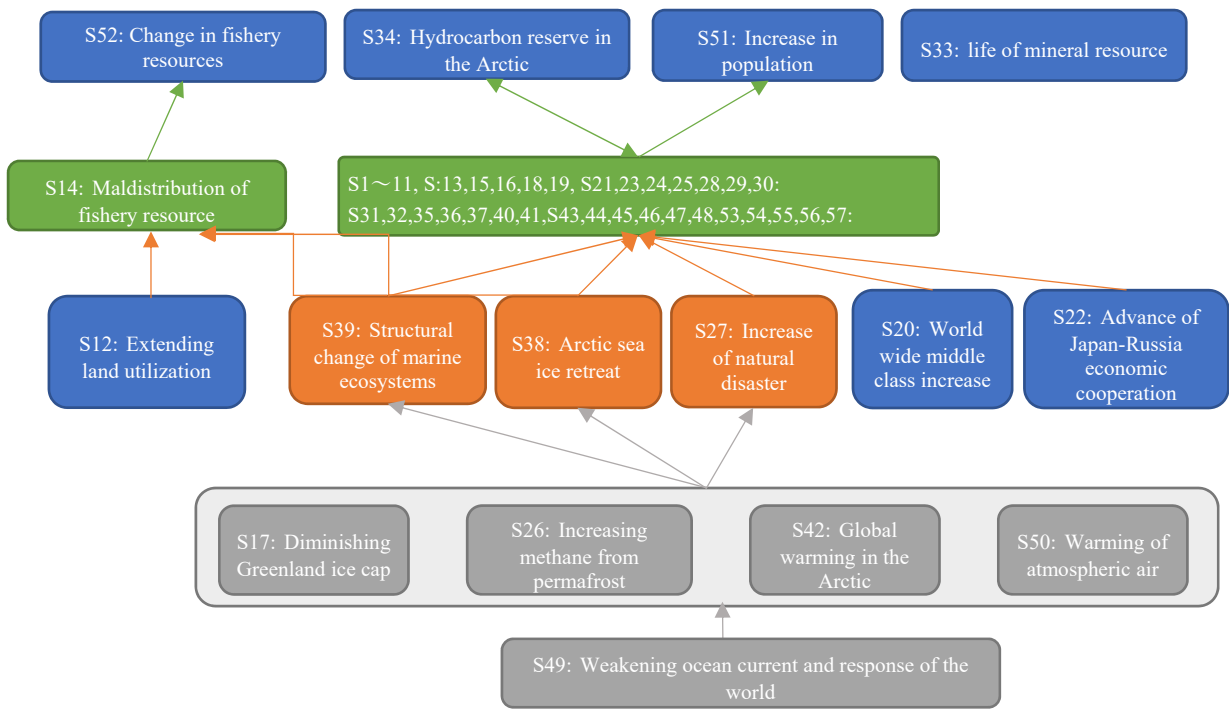
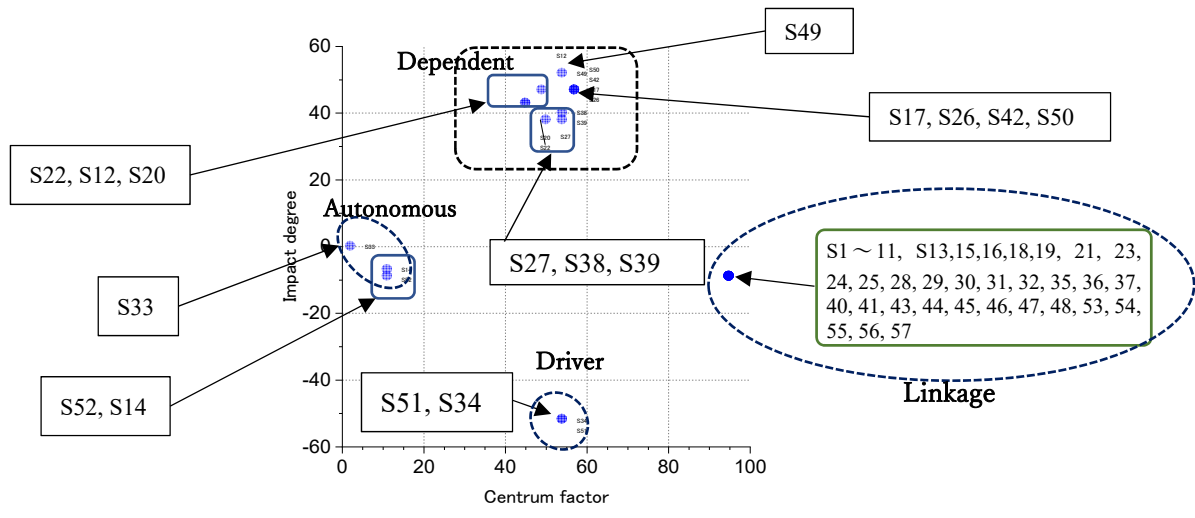
Fighting Global Citizens

Non-governmental actors became independent. Different actors in different policy. People's focus is on pursuing quality of life. Climate change is worse than expected but thorough international cooperation, many projects for mitigation and adaption are going on. International money is invested for constructing infrastructures

Age of Philosophy

Like “Fighting Global Citizens”, non-governmental actors became independent and people's focus is on pursuing quality of life. Climate change is better than expected but people are highly aware of environment. Oil&Gas and tourism becomes major industries in the Arctic.

Examining the characteristics of individual scenario (Interpretive Structural Modelling~ 2019)



Seminar will achieve input ideas to update/examine individual scenario items~2020