

C10: Consulting Arctic communities on research planning

Main Convener: Chris Southcott

April 27 (Monday), Room 205, 14:00-15:30

Chair: Kirsi Latola

14:00-14:20	C10-001	THE GRASSROOTS VOICES ARE GETTING LOUDER: HOW TO ENGAGE INDIGENOUS PEOPLE IN THE RESEARCH PROCESS J. Bull*
14:20-14:40	C10-002	THE UNIVERSITY OF THE ARCTIC AND COMMUNITY CONSULTATION ON RESEARCH PLANNING: THE INITIAL RESULTS OF THE UCCARP PILOT PROJECT C. Southcott*
14:40-15:00	C10-003	TRANSFORMATIVE PARTNERSHIPS, KNOWLEDGE AND CHANGE: INUIT PERSPECTIVES ON ARCTIC RESEARCH – THE INUIT EXPERIENCE OF THE ARCTICNET PROGRAM S. P. Edmunds-Potvin
15:00-15:20	C10-004	INTERNATIONAL PROJECTS: RESULTS AND PERSPECTIVES OF THE INDIGENOUS PEOPLES' PARTNERSHIP L. Abriutina
15:20-15:30		PANEL DISCUSSION ON CONSULTING ARCTIC COMMUNITIES

C11: Early Exploration and Exploitation and their Impact Today on Local Arctic Societies

Main Convener: Peter Sköld

April 27 (Monday), Room 205, 16:00-17:30

Chair: Peter Sköld, Gabriella Nordin

16:00-16:05	C11-001	INTRODUCTION
16:05-16:20	C11-002	CONSTRUCTING THE PAST OF ARCTIC FUTURES: HISTORY AND HERITAGE AS GEOPOLITICS D. Avango*
16:20-16:35	C11-003	THE IMPACT OF ENVIRONMENTAL CHANGE ON THE ARCTIC ABORIGINAL PEOPLE'S ECONOMY —A CASE STUDY OF THE INUIT IN CANADA M. Pan*
16:35-16:50	C11-004	CULTURAL CONFRONTATION OR COEXISTENCE? INDIGENOUS PEOPLES OF THE NORTH SOVIET UNION BETWEEN RESISTANCE AND CO-OPTATION A. A. Ivanova*, F. M. Stammer
16:50-17:05	C11-005	CULTURAL HERITAGE AS WE AFFECT IT AND IT AFFECTS US S. Barr*
17:05-17:20	C11-006	INDUSTRIAL HERITAGE SITES IN THE ARCTIC AS SOURCES FOR HISTORICAL RESEARCH D. Avango*
17:20-17:30	C11-007	CONCLUDING DISCUSSION

C3: Emerging questions in Arctic Geoscience

Main Convener: Victoria Pease

April 28 (Tuesday), Room 205, 10:45-12:15

Chair: Victoria Pease, Bernard Coakley

C03-001	A SOCIALLY RELEVANT ARCTIC TECTONIC PUZZLE T. Pease*, A. Andresen, J. Toro
C03-002	THE EUREKAN DEFORMATION IN THE ARCTIC – AN OUTLINE K. Piepjohn*
C03-003	THE GREAT CHALLENGES IN ARCTIC OCEAN PALEOCEANOGRAPHY AND SCIENTIFIC DRILLING

- R. Stein*
- C03-O04 NEW DATA SUPPORT NEW HYPOTHESES ABOUT ARCTIC OCEAN TECTONICS; PLANNING EXPEDITIONS FOR THE NEXT DECADE.
B. Coakley*
- C03-O05 SEISMICITY, STRUCTURE AND TECTONICS IN THE ARCTIC REGION
M. Kanao*, V. Suvorov, S. Toda, G. Toyokuni, S. Tsuboi
- C03-O06 CULTURE AND ARCTIC CLIMATE CHANGE: INTEGRATING LONG-TERM PERSPECTIVES FROM ARCHAEOLOGY AND THE ENVIRONMENTAL SCIENCES
P. D. Jordan*, M. T. Friesen, M. L. Timmermans

C4: Co-design, co-production, co-communication of scientific knowledge? how to frame concerted research for sustainable development in times of change

Main Convener: Jörn Schmidt

April 28 (Tuesday), Room 205, 13:45-15:15

Chair: Peter Sköld

- C04-O01 SCIENCE PLAN 11 AND INCLUDING ARCTIC COMMUNITIES IN RESEARCH: WHAT HAS BEEN DONE SINCE ICARP II?
C. Southcott*
- C04-O02 THE SALIENCE OF THE ADAPTATION ISSUE IN AN ARCTIC COASTAL COMMUNITY
H. Dannevig*, G. K. Hovelsrud
- C04-O03 REINDEER HERDERS WITHOUT REINDEERS: THE THEORY AND PRACTICE OR ECOSYSTEM-BASED APPROACH IN THE RUSSIAN ARCTIC
A. Pristupa*, M. Tysiachniouk
- C04-O04 LEADERS AT THE POLES: WHAT POLAR RESEARCHERS CAN LEARN FROM MANAGERS AND WHAT CAN THEY TEACH THEM?
B. Lisowski*, M. Lisowska
- C04-O05 GAMES IN ENVIRONMENTAL EDUCATION, COMMUNICATION AND SCIENCE
J. Schmidt*, D. Nissen, M. Magens, R. Voss
- C04-O06 TRADITIONAL KNOWLEDGE AND (WESTERN) SCIENCE
C. C. Olsen*
- SUMMERY COMMENT ON SESSION

C8: Circumpolar Arctic Coastal Communities Observatory Network: knowledge Hubs for Northern Coastal Sustainability

Main Convener: Donald L. Forbes

April 28 (Tuesday), Room 205, 15:45-17:15

Chair: Donald L. Forbes

- 15:45-15:53 INTRODUCTION
- 15:53-15:59 C08-O01 KNOWLEDGE HUBS FOR NORTHERN COASTAL SUSTAINABILITY
D. L. Forbes*, J. N. Larsen, P. P. Overduin, T. Bell, R. O. Rasmussen
- 15:59-16:05 C08-O02 A DECADE OF ARCTIC COASTAL RESEARCH
P. Overduin*, N. Couture, H. Lantuit
- 16:05-16:11 C08-O03 ASI, AHDR, AND IMPLICATIONS FOR THE CIRCUMPOLAR ARCTIC COASTAL COMMUNITIES OBSERVATORY NETWORK (CACCON)
P. P. Schweitzer*, R. O. Rasmussen, T. Vlasova
- 16:11-16:17 C08-O04 EARLY CAREER PERSPECTIVES ON ARCTIC COASTAL RESEARCH PRIORITIES
R. Riedlsperger*
- 16:17-16:23 C08-O05 REGIONAL PRIORITIES AND PERSPECTIVES: EXAMPLE FROM CHUKOTKA
G. Kraev*, E. Zdor
- 16:23-16:29 C08-O06 IDENTIFYING REGIONAL AND CIRCUMPOLAR ARCTIC COASTAL RESEARCH PRIORITIES
T. Bell*, R. O. Rasmussen
- 16:29-17:15 MODERATED AND RECORDED OPEN DISCUSSION

B11: Navigation and Fisheries in the Arctic: Prospects, Problems and International Policies

Main Convener: Atsumu Ohmura

April 29 (Wednesday), Room 205, 10:45-12:15

Chair: Atsumu Ohmura

- 10:45-11:15 B11-O01 CHANGES IN ARCTIC SEA ICE CHARACTERISTICS AND THEIR IMPACT ON NAVIGATION
P. Wadhams*
- 11:15-11:45 B11-O02 RESEARCH ON NAVIGATION SUPPORT SYSTEM FOR THE ARCTIC SEA ROUTES
H. Yamaguchi*
- 11:45-12:15 B11-O03 STRATEGIC OVERVIEW OF IMPLEMENTING THE ARCTIC MARINE SHIPPING
ASSESSMENT RECOMMENDATIONS AND THE IMO MANDATORY POLAR CODE
L. W. Brigham*

April 29 (Wednesday), Room 205, 13:45-15:15

Chair: Henry Huntington

- 13:45-14:00 B11-O04 THE NAUTICAL INSTITUTE'S WAY AHEAD IS ICE NAVIGATION TRAINING ASSURANCE
D. Snider*
- 14:00-14:15 B11-O05 MARITIME USER REQUIREMENTS AT HIGH LATITUDES - FIRST RESULTS FROM THE
MARENOR PROJECT
R. Behlke*
- 14:15-14:30 B11-O06 FISHERIES AND THE NEWLY ACCESSIBLE ARCTIC OCEAN
H. P. Huntington*
- 14:30-15:00 B11-O07 THE NEW ARCTIC OCEAN: IMPLICATIONS FOR RESEARCH AND POLICY
P. Wassmann*, E. Carmack, H. P. Huntington
- 15:00-15:15 B11-O08 FISHING INDUSTRY IN NUNAVUT: POLICY AND MANAGEMENT
M. Pan*

April 29 (Wednesday), Room 205, 15:45-17:15

Chair: Kevin Hedges

- 15:45-16:00 B11-O09 SVALBARD ZONE LANDINGS SHOWS FISHERIES MOVING NORTH WHEN WATERS HEAT
O. A. Misund*, K. Heggland, H. Gjoesaeter, O. J. Loenne
- 16:00-16:15 B11-O10 MARINE INVASIVE SPECIES CHALLENGES IN THE ARCTIC
B. A. Kaiser*, L. Fernandez, J. Sundet
- 16:15-16:35 B11-O11 THE NEW ARCTIC: THE ROLE OF SCIENCE IN CONSERVATION AND MANAGEMENT OF
FISHERIES IN AN EMERGING OCEAN
D. Benton*
- 16:35-16:55 B11-O12 NETWORKS AND GOVERNANCE OF ARCTIC SHIPPING AND FISHING: A ROBUST
MANAGEMENT APPROACH
R. Pincus*
- 16:55-17:15 B11-O13 THE MAIN OUTCOMES OF SESSIONS B11 "NAVIGATION AND FISHERIES IN THE ARCTIC:
PROSPECTS, PROBLEMS AND INTERNATIONAL POLICIES"
A. Ohmura*

A5: The Climatic Threat from Arctic Offshore Methane

Main Convener: Peter Wadhams

April 30 (Thursday), Room 205, 10:45-12:15

Chair: Peter Wadhams, Jeremy Wilkinson

- 10:45-11:15 A05-O01 DECADAL PROGRESS IN QUANTITATIVE ESTIMATE OF METHANE FLUXES FROM THE EAST SIBERIAN ARCTIC SHELF
N. Shakhova*, I. Semiletov, V. Yusupov, A. Salyuk, A. Salomatin, D. Chernykh, D. Kosmach, O. Gustafsson
- 11:15-11:30 A05-O02 EVOLVING ICE AND OCEAN CONDITIONS IN THE EAST SIBERIAN AND LAPTEV SEAS RELEVANT TO METHANE EMISSIONS
P. Wadhams*
- 11:30-11:45 A05-O03 GAS HYDRATE STABILITY ZONE ASSOCIATED WITH SUBSEA PERMAFROST THAWING IN THE CANADIAN BEAUFORT SEA INFERRED FROM MARINE HEAT FLOW MEASUREMENTS
Y.-G. Kim*, Y. K. Jin, J. K. Hong
- 11:45-12:00 A05-O04 RELATIONSHIP BETWEEN CH₄ AND CO₂ IN THE SURFACE SEAWATER IN THE WESTERN ARCTIC OCEAN
D. Sasano*, M. Ishii, N. Kosugi, A. Murata, H. Uchida, S. Toyoda, K. Yamada, K. Kudo, N. Yoshida, T. Mifune, M. Yamamoto-Kawai, H. Yoshikawa-Inoue, S. Nishino, T. Kikuchi
- 12:00-12:15 A05-O05 METHANOGENETIC DIVERSITY AND ACTIVITY IN THE FOREHEAD OF AUSTRE LOVÉN BREEN AND MIDRE LOVÉN BREEN GLACIER
H. Ma*, Y. Zhang, X. Chen, W. Yan