



## Meeting Report

### Attendees

Georgina Gibson (ART secretariat, IARC, USA; via Skype)  
Adolf Kellermann (ICES, Denmark)  
Helen Findlay (PML, Great Britain)  
Alexandre Forest (Laval University, Canada; co-chair)  
Matthias Forwick (University of Tromsø, Norway)  
Michael Fritz (AWI, Germany)  
Monika Kedra (PAS, Poland)  
Christine Michel (DFO, Canada)  
Natalie Morata (Institut Universitaire Europeen de la Mer, France)  
Anna Nikolopoulos (AquaBiota Water Research, Sweden)  
Matt O'Regan (Bolin Centre, Sweden)  
Alexey Pavlov (AARI, Russia)  
Ilka Peeken (AWI/MARUM, Germany)  
Marit Reigstad (University of Tromsø, Norway)  
Makoto Sampei (Hiroshima University, Japan)  
Carolyn Wegner (GEOMAR, Germany; chair)  
Kirstin Werner (Byrd Polar Research Center, USA)

### Workshop Objectives

The main objectives of the meeting were focused on personal restructuring of ART, ART cruises planning, Green Edge/ART collaboration, coordination with other IASC/ECS related initiatives, and planning of the 2<sup>nd</sup> ART Science Workshop 2014. The workshop was divided into three parts. The first meeting was a senior meeting to discuss the new ART structure; the second meeting was a joint meeting with senior and junior EC members. The third part was a junior meeting with active junior members to efficiently plan the ART Science Workshop 2014 and ART phases II and III.

### TRANSSIZ Logistics

An internal meeting took place in the Hotel Hebron, where some logistics for the approved ART cruise "Transitions in the Arctic Seasonal Sea Ice Zone (TRANSSIZ)" on RV Polarstern were discussed. Intended period of time is likely to be 05/2015 (ARK-XXIX / 1). The

TRANSSIZ expedition will include a full suite of multidisciplinary approaches through sediment, water column and sea ice sampling. The next meeting was planned and will take place April 1-2, 2014 at AWI in Bremerhaven, Germany. Ilka Peeken and Carolyn Wegner will organize the meeting.

### **ART re-structuring**

The recent ART structure was discussed and restructured. The personal structure of the ART EC was adapted in a way to ensure the unique ART characteristic of early career involvement. So far, the ART EC originated from a network of early-career Arctic marine scientists who have been involved in multidisciplinary national and international research programs during the last decade. Part of the initial EC members stepped back into an active Scientific Advisory Committee. Members of the committee will support the new EC members, take part in on-going and future ART activities, and will organize “senior” ART activities additionally. 6 new members from 6 different countries and different disciplinary background were welcomed in the Executive Committee while some of the founding generation members joined the Scientific Advisory Board (SAB). There will be a rotating system for members and chairs to ensure the early career aspect of ART.

To follow the suggestion of the MWG during the ASSW 2013 to revitalize and reduce the SAB to an active group of participants, where former EC members can be part of, it was decided to contact the present SAB, inform them on the most recent ART activities (new structure, ART sessions, 2<sup>nd</sup> ART Science Workshop, ITN-proposal, TRANSSIZ expedition) and ask them in which way they want to continue to cooperate with ART. Natalie Morata agreed to take the lead on this.

### **ART Special Issue**

The ART Special Issue on “Interdisciplinary and multi-scale approaches to understanding and modeling the Arctic in Rapid Transition” as a long-term outcome of the ART-APECS Science Workshop 2012 in Sopot, Poland, is planned to be submitted as part of the peer-reviewed journal Polar Research by beginning of 2014.

### **Green Edge/ART collaboration**

ART is currently in the process of developing collaboration with the Canada-France program “Green Edge” (lead by the Takuvik Joint Laboratory; Marcel Babin) in order to create a large scientific consortium on the study of marine productivity, diversity and ecosystem services in the seasonal ice zone. This project will comprise a field work synergy between TRANSSIZ and Green Edge as well as advanced analyses through remote sensing and modelling. An exchange during the upcoming cruises was discussed: during the TRANSSZ cruise in 2015 partners of Green-Edge will take part and vice versa during the planned Green-Edge Baffin Bay cruise in 2016.

### **ITN proposal**

To carry out research from up-coming cruises in the frame of ART phase II and to enlarge the ART network by bringing in and educating new PhD researchers it was decided to go for an ART proposal for an EU Innovative Training Network (ITN). Possible partner institutes and leader were defined:

PML, UK. Lead: Helen Findlay

Stockholm University, Sweden. Lead: Matt O’Regan

AWI, Germany. Lead: Ilka Peeken

Polish Institute of Oceanology (IOPAN), Poland: Lead: Monika Kedra

Cardiff University, UK. Lead: Caroline Lear

Danish Technical University, Denmark. Lead: Colin Stedmon

University of Tromsø, Norway.  
Aquabiota, Sweden. Lead: Anna Nikolopoulos  
Digital Explorer, UK. Lead: Jamie Buchanan-Dunlop  
Norwegian Polar Institute (NPI), Norway.  
Geomar, Germany. Lead: Carolyn Wegner  
Plymouth University, UK. Lead: Simon Belt  
SubCTech, Germany. Lead: Stefan Marx  
Helen Findlay will coordinate the ITN proposal.

### **2<sup>nd</sup> ART Science Workshop**

The second ART-led science workshop “Integrating spatial and temporal scales in the changing Arctic System: towards future research priorities” will take place October 21-24, 2014 at Laboratoire des sciences de l’Environnement MARin (LEMAR) - CNRS, University of Western Brittany, Plouzané, France in cooperation with APECS and the European Institute for Marine Studies (Brest, France). This workshop aims at drafting research priorities assessments from an early to mid-career perspective that will feed into the larger 2015 ICARP III event in Toyama, Japan. Funding opportunities were discussed. Natalie Morata will coordinate the planning of the workshop

### **Arctic Frontiers conference 2017**

ART will be one of the organizers of the scientific conference at the Arctic Frontiers Conference in Tromsø, Norway, in 2017.

