



## **INTERNATIONAL WORKSHOP 2015**

### **EDUCATION MEETS SCIENCE: BRINGING POLAR RESEARCH INTO THE CLASSROOMS**

Date: Wednesday 1st -Saturday 4th 2015

Location: Hannover (Germany)

Organizers: Inga Beck (geb. May), Rainer Lehmann, José Xavier and Louise Huffman

Organizations: Freie Waldorfschule Hannover-Bothfeld, Alfred Wegener Institute (AWI), Polar Educators International (PEI), University of Coimbra

Endorsed by: British Antarctic Survey (BAS), International Permafrost Association (IPA), Association of Polar Early Career Scientists (APECS), Scientific Committee on Antarctic Research (SCAR-CBET), International Arctic Science Committee (IASC), The Climate and Cryosphere (CliC), Deutsche Gesellschaft für Polarforschung (DGP), Coole Klassen

Participants: 50

Directed to: International teachers/educators (that have students between 6 and 19 years old)

## Program

### Program during the whole workshop:

- Foto exhibition Antarctica (Melanie Hubach)
- Poster exhibition (Showing activities / events of Polar Teachers)
- Polar drawing exhibition of students

### Wednesday 04-01-2015

<b>15.00 -17.00</b>	<b>Closed Meetings</b> (PEI, Coole Klassen)
<b>17.00 -18.00</b>	<b>Registration</b> <b>Icebreaker</b> (for participations, students, teachers and parents of the school) <b>Welcome word of school's director</b>
<b>18.00 -19.00</b>	<b>Public Talk</b> Antony Jinman: trips to the North- and Southpole
<b>19.00</b>	<b>Finger Food</b>

### Thursday 04-02-2014

8:30 – 9.00	Registration	
9.00 – 9.30	Welcome: Inga Beck, Rainer Lehmann, Jose Xavier & Louise Huffman	
9.30 – 10.00	General overview about Arctic Regions (Hans-Wolfgang Hubberten)	
TOPIC OF THE DAY: GEOSCIENCE AND BIOLOGY IN POLAR REGIONS		
10.30 - 10.45	Geoscience (Inga Beck)	
10.45 - 11.00	Biology (Jose Xavier)	
11.00 – 11.30	Coffee break	
11.30 – 11.45	Introduction PEI (Louise Huffman, Matteo Cattadori)	
11.45 – 12.00	Coole Klassen (Rainer Lehmann)	
12:00 – 13:00	<b>Educators Talks (10 min each max 5 persons)</b> <ul style="list-style-type: none"><li>• Experiences from expeditions</li><li>• Experiences from lessons and experiments</li><li>• Experiences with tests</li></ul>	
13.00 – 14.00	Lunch	Site meeting ICARP III with IASC
14.00 – 15.30	<b>Workshops related to the day's topics with local students</b>	
15.30 – 15.45	Coffee Break	
15.45 – 17.00	<b>Workshops related to the day's topics with local students</b>	
17.00 – 17.30	Discussion/ Panel	

	How can we establish a system to evaluate our work? See the outcomes?
<b>18.30</b>	<i>Dinner / Social Event</i>

## Friday 04-03-2015

<b>9:00 – 9.30</b>	General Overview about Antarctic Regions (David Walton)
<b>TOPIC OF THE DAY: CLIMATE AND SOCIETY IN POLAR REGIONS</b>	
<b>9.30 - 09.45</b>	<b>Climate</b> (no name)
<b>9.45 – 10.00</b>	<b>Society</b> (Gerlis Fugmann)
<b>10.00 – 10.30</b>	<b>What we learned in terms of E&amp;O IPY</b> (Dave Carlson)
<b>10.30 – 10.45</b>	<b>Introduction to Education through Expedition</b> (Antony Jinman)
<b>10. 45 – 11.00</b>	<b>Introduction to Polar Foundation</b> (Liz Pasteur)
<b>11.00 – 11.30</b>	<i>Coffee break</i>
<b>11:30 – 12:45</b>	<b>Educators Talks (10 min each max 6 persons)</b> <ul style="list-style-type: none"> <li>• Experiences from expeditions</li> <li>• Experiences from lessons and experiments</li> <li>• Experiences with tests</li> </ul>
<b>12.45 – 13.00</b>	Outcomes ICARP III site meeting
<b>13.00 – 14.00</b>	<i>Lunch</i>
<b>14.00 – 16.15</b>	<b>Workshops related to the day's topics with local students</b>
<b>16.15 – 16.30</b>	<i>Coffee Break</i>
<b>16.30 – 17.30</b>	<b>Discussion/ Panel</b> Is the topic 'climate change' still interesting for the public?
<b>17.30 – 18.00</b>	<b>Wrap up / Closing Ceremony</b>
<b>18.30</b>	<i>Dinner / Social Event</i>

## Saturday 04-04-2015

Local excursion about ice aged periglacial features in the surrounding of Hannover organized by Rainer Lehmann



# PEI 2015 Hannover

## EDUCATION MEETS SCIENCE

BRINGING POLAR RESEARCH  
INTO THE CLASSROOMS

[www.polareducator.org](http://www.polareducator.org)

**APRIL 1-4** | Hannover  
2015 **GERMANY**

- + Workshops
- + Masterclasses
- + Conferences
- + Snap Talks
- + Movie Show
- + Poster Exhibition



### Colaborate

Promote collaborations  
between educators  
and scientists



### Discuss

Discuss the future  
vision of Polar  
Educators International



### Improve

Support scientists in  
increasing public  
communication skills



### Update

Update and exchange  
key information with  
polar educators

Registration

**50€**

Make your registration  
[www.polareducator.org/news/pei](http://www.polareducator.org/news/pei)  
until

**15 December 2014**

### Organizations



AnT-ERA



British  
Antarctic Survey  
NATURAL ENVIRONMENT RESEARCH COUNCIL



### Contact Us

✉ [inga.may@awi.de](mailto:inga.may@awi.de)  
[rainer.lehmann@gmx.net](mailto:rainer.lehmann@gmx.net)  
[polareducators@gmail.com](mailto:polareducators@gmail.com)

🌐 [www.polareducator.org](http://www.polareducator.org)

🐦 #polareducators

📍 Freie Waldorfschule  
Hannover-Bothfeld  
Weidkampshaide 17  
D-30659 Hannover  
Germany