



# Terrestrial Working Group Meeting

13 April 2013

10:00-18:00

(Lunch 12.30-14.30, Coffee Breaks 11.00-11.15 and 16.10-16.30)

Krakow, Poland  
Dom Polonii

## *Agenda*

### **Participants:**

#### **WG MEMBERS PRESENT:**

TERRY CALLAGHAN - SWEDEN, CHAIR  
WARWICK F. VINCENT - CANADA, VICE CHAIR  
TORBEN CHRISTENSEN - DENMARK, VICE CHAIR  
JOSEF ELSTER- CZECH REPUBLIC  
WEI LUO – CHINA  
MADS FORCHHAMMER – DENMARK  
ANTERO JÄRVINEN – FINLAND  
THIERRY BOULINIER – FRANCE  
EVA-MARIA PFEIFFER – GERMANY  
KARSTEN PIEPJOHN - GERMANY  
INGIBJORG SVALA JONSDOTTIR – ICELAND  
JON S. OLAFSSON - ICELAND  
MANISH TIWARI – INDIA  
RATAN KAR - INDIA  
ATSUKO SUGIMOTO – JAPAN  
YOO KYUNG LEE – KOREA  
JELTE ROZEMA – THE NETHERLANDS  
INGER GREVE ALSOS – NORWAY

STEVE COULSON - NORWAY  
WIESLAW ZIAJA – POLAND  
PIOTR GLOWACKI - POLAND  
DANIEL SANCHEZ-MATA – SPAIN  
DONALD A. (SKIP) WALKER – USA  
VANESSA LOUGHEED - USA

#### **GUESTS AND OBSERVERS:**

MASAKI UCHIDA – JAPAN (NIPR)

#### **WG MEMBER NOT PRESENT:**

TAKAYUKI NAKATSUBO - JAPAN  
BENJAMIN VINEGLA PÉREZ – SPAIN, VICE CHAIR  
PHIL WOOKEY – UK

#### **SECRETARIAT**

YOO KYUNG LEE (EXECUTIVE OFFICER)

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## 1 OPENING AND REPORTING (10.00-10.30)

### 1.1 WELCOME AND INTRODUCTIONS TERRY CALLAGHAN

### 1.2 REPORT FROM THE CHAIR TERRY CALLAGHAN

### 1.3 APPROVAL OF THE MINUTES OF THE LAST MEETING YOO KYUNG LEE

- The minutes of the 2012 meeting is given in ANNEX 1.3

### 1.4 ADOPTION OF THE AGENDA TERRY CALLAGHAN

## 2 MAIN ISSUES (10.30-16.00)

### 2.1 REPORTS ON TWG ACTIVITIES

#### 2.1.1 SHAPING FORCES OF BIODIVERSITY IN THE ARCTIC INGA SVALA JONSDOTTIR

Knowledge on Biodiversity in the Arctic is still rather fragmented, but both documentation and monitoring is gaining increasing attention by various organisations and research groups (CAFF/CBMP, INTERACT, and others). Through these activities we will gradually gain understanding of biodiversity patterns within various groups of organisms and, eventually, how they change in response to different drivers. Some of these initiatives mention a plethora of forces that shape biodiversity, ranging from global scale factors such as climate change to local scale processes such as various biotic interactions. However, not much focus has been put on identification of possible commonalities and patterns in this plethora of shaping forces.

#### 2.1.2 INTERNATIONAL ARCTIC VEGETATION DATABASE WORKSHOP SKIP WALKER

The goals of the IAVD Workshop are to engage the circumpolar community of Arctic vegetation scientists in assembling this first vegetation database for the

Arctic tundra biome (it will in fact be the first vegetation database for an entire global biome). Part of the meeting will be devoted to reviewing the status of vegetation databases in the arctic countries.

### **2.1.3 GLOBAL CHANGE, ARCTIC HYDROLOGY AND EARTH SYSTEM PROCESSES WORKSHOP**

**YOO KYUNG LEE**

This scoping exercise will bring together a small group (6-8) of experts in a two-stage workshop to review the current state of knowledge on arctic hydrological change, to identify research gaps, and to horizon-scan based on best available predictions of change in the arctic terrestrial realm. The exercise is strongly aligned to the mission of the IASC Terrestrial WG but has cross-cutting relevance to each of the other WGs

The workshop, which was planned for January 2013, had to be postponed. Phil Wookey who is leading the initiative is unable to attend and the Secretariat will present a status report.

### **2.1.4 COMPLETED ACTIVITIES**

**YOO KYUNG LEE**

Under this agenda item, the Secretariat will present a summary of TWG activities that were completed last year, including

- Vulnerability of Permafrost Carbon.

## **2.2 REVIEW OF IASC ACTIVITIES RELATED TO THE TWG**

### **2.2.1 CIRCUMARCTIC RANGIFER MONITORING AND ASSESSMENT (CARMA)**

**YOO KYUNG LEE**

The CARMA Workshop, which was supported as a cross-cutting initiative and also received funding from SHWG, was held in Vancouver, Canada from Dec. 4-6, 2012. The theme of the meeting focused on priorities identified at CARMA 7: 1) Managing and monitoring through abundance, 2) calving ground conservation, 3) assessment of cumulative effects of development and climate change.

### **2.2.2 IASC DATA POLICY ACTION**

**YOO KYUNG LEE**

To reinforce IASC's commitment to robust data management and sharing activities, IASC Council decided to form a small advisory group of external experts and interested Council members that would develop and recommend a data policy, including steps toward implementation of the policy, that would provide guidance for IASC supported activities. At its meeting in January 2013, the Action Group developed a draft IASC data policy which will be presented to IASC Council at the ASSW 2013.

- The draft IASC Data Policy is given in ANNEX 2.2.2.

### **2.2.3 IASC ACTION GROUP ON GEOSCIENCES** **KARSTEN PIEPJOHN**

To address the issue, that geological research is underrepresented in the current WG structure, IASC Council agreed to form an Action Group on Geosciences (AGG) with the terms of reference to provide strategic advice on both long-term opportunities and priorities in the field of Geoscience research in a broader sense. At its meeting in February 2013, the Action Group developed a report, including a set of recommendations, which will be presented to IASC Council at the ASSW 2013.

- The draft of the IASC Action Group on Geosciences is given in ANNEX 2.2.3.

### **2.3 OTHER TERRESTRIAL ACTIVITIES EXTERNAL TO IASC** **TERRY CALLAGHAN**

The agenda item will include brief updates on external activities that could be of interest to the TWG.

### **2.4 NEW ACTIVITIES FROM THE IASC CROSS-CUTTING ROUNDS** **YOO KYUNG LEE**

A call for new cross-cutting proposals has been launched in November last year. Under this agenda item, the Secretariat will introduce the initiatives that have been selected for funding.

## **2.5 3<sup>RD</sup> INTERNATIONAL CONFERENCE ON ARCTIC RESEARCH PLANNING (ICARP III)**

**TERRY CALLAGHAN**

Under this agenda item, the Chair will introduce the draft concept for IASC's 25<sup>th</sup> Anniversary Celebration, including the Third International Conference on Arctic Research Planning (ICARP III).

- The ICARP III concept paper is given in ANNEX 2.5

The IASC WGs are expected to play an important role in the ICARP III.

## **2.6 REVIEW OF WG FOCI**

**TERRY CALLAGHAN**

The Scientific Foci of the Working Group had been discussed and agreed upon at the first WG meeting in Potsdam (Germany) in January 2011.

Under this agenda item, the WG is asked to revisit these foci and to discuss possible changes or additions.

## **2.7 PROPOSED ACTIVITIES**

### **2.7.1 NEW ACTIVITIES/TASK BROUGHT FORWARD BY MEMBERS**

Under this agenda item, new suggestions and proposals on WG activities will be brought forward by members of the Working Groups. This will include short presentations followed by a discussion.

#### **2.7.1.1 ITEX WORKSHOP**

**INGA SVALA JONSDOTTIR**

The International Tundra Experiment is a scientific network of experiments focusing on the impact of climate change on selected plant species in tundra and alpine vegetation. Research teams at more than 61 circumpolar sites in tundra ecosystems have carried out similar, multi-year plant manipulation experiments for up to 20 years that allow them to compare annual variation in plant performance with respect to response to climate conditions. This workshop, to be held in September 17-20, 2013 at Switzerland, will shape upcoming analyses of plant diversity patterns, phenology, plant traits, plant soil interactions, and other uses of the ITEX data set.



**2.7.2 NEW ACTIVITIES FROM EXTERNAL INPUT**  
**TERRY CALLAGHAN**

An invitation to submit ideas and proposals for the WG to consider had been sent to the ArcticInfo mailing list prior to the meeting. Under this agenda item, the suggestions received from the broader research community, will be tabled and discussed by the WG.

**3 NEXT MEETING (16.00-16.10)**  
**YOO KYUNG LEE**

**3.1 ASSW 2014**

The next meeting of the WG will be held in conjunction with the ASSW 2014 in Helsinki (Finland) on 7-12 April 2014.

**3.2 ASSW 2015**

The 2015 meeting will be held at the ASSW 2015 in Japan, in conjunction with IASC's 25<sup>th</sup> Anniversary, the ICARP III and the 4<sup>th</sup> International Symposium on Arctic Research.