



Memorandum of Understanding (MoU)

Between:

**The University of Manitoba
Winnipeg, MB. Canada**

and

**The Greenland Institute of Natural Resources
Nuuk, Greenland**

and

**Aarhus University
Aarhus, Denmark**

ENHANCING EDUCATION AND SCIENCE COOPERATION IN THE ARCTIC

One of the most significant global issues over the past 10 years has been the vast change in the Arctic region. The world has again turned its attention to the Arctic, this time mainly because of climate change and its expected global impacts, the economic potential of the region, and the geopolitical implications of changes. Political, economic and social developments are already underway, including the flourishing of advanced democratic societies, and undoubtedly the future of the Arctic will be radically different from the reality we know today. To meet these challenges, there is an urgent need to prepare the Arctic societies through improved knowledge and education of future generations. This is best done through partnerships among institutions in the Arctic.

The University of Manitoba, the Greenland Institute of Natural Resources and Aarhus University have decided to join forces to strengthen Arctic research. This new and extensive Greenlandic-Danish-Canadian research collaboration is bringing together a number of the world's leading scientists in climate-related research in the Arctic. The idea is to create the basis for highly integrated and coordinated climate-related research and education collaboration among Denmark, Greenland and Canada around much of the Arctic region. The collaboration will be structured in a new joint research partnership, the

Arctic Science Partnership, that provides unique opportunities for comprehensive research, educational cooperation and synergy among the three centers.

By this MoU, the University of Manitoba, the Greenland Institute of Natural Resources and Aarhus University agree to establish an Arctic Science Partnership for science and education cooperation in the Arctic.

The purpose of the MoU is to develop a joint cooperation plan for research, education and training. Details of the implementation of any particular collaborative activity resulting from this MoU shall be negotiated among the parties, acting in good faith, as such specific case may arise, and will be outlined in Supplementary Agreements.

Any such agreement will promote one or more of the following:

- Understanding the consequences of climate change in the Arctic.
- Knowledge-based sustainable exploitation of living resources.
- Sustainability, including environmental, health, social and economic wellbeing.
- Knowledge-based strategies for adaptation.
- Integrated strategic impact assessment and mitigation strategies for development in the Arctic.

The partners will:


- Encourage staff of the partners to move freely, as required, among the institutions, adhering to local institutional standards.
- Encourage graduate students to spend time and to work at multiple institutions as appropriate.
- Ensure shared use of infrastructure such as research vessels, field stations, laboratories, office space, equipment and coordination of logistics.
- Implement an efficient coordination and collaboration at all levels.
- Develop a coordinated recruitment strategy and, in particular, jointly announce the availability of student and staff positions.
- Develop joint education programs and courses.

The partners recognize that this cooperative relationship may result in the development of various types of intellectual property and technology transfer, including ownership, use, publication and confidentiality. The principles will be developed in accordance with the parties' respective policies and collective agreements and will be incorporated into the Supplementary Agreements.

The founding parties of the Arctic Science Partnership are committed to carefully planned expansion and are open to extending the partnership by including research institutes and universities which can contribute significantly to the further development of science and education cooperation in the Arctic. The partners commit to consult with each other before entering agreements with other parties on overlapping or related areas, while respecting agreements existing prior to this MoU being signed.

The MoU may be amended by mutual consent of the founding partners. A partner can withdraw from the Arctic Science Partnership by giving six months notice to the other partners.

Signed:

Date: July 8, 2012 
David T. Barnard (*President and Vice-Chancellor University of Manitoba, Canada*)

Date: 08-07-2012 
Lauritz B. Holm-Nielsen (*Rector of Aarhus University, Denmark*)

Date: 8/7 - 2012 
Klaus Nygaard (*Director Greenland Institute of Natural Resources*)