



**ACCESS**  
Arctic Climate Change  
Economy and Society



SEVENTH FRAMEWORK  
PROGRAMME

**Project no. 265863**

**ACCESS**

**Arctic Climate Change, Economy and Society**

Instrument: Collaborative Project  
Thematic Priority: Ocean.2010-1 "Quantification of climate change impacts on economic sectors in the Arctic"

## **D6.11 – Annual dissemination and exploitation report and plan**

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### **Dissemination Level**

<b>PU</b>	Public	
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	X
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	

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## **1. INTRODUCTION**

### **1.1. Project objective**

The main objective of the project is to assess and quantify climate change impact on economy for maritime transport, fisheries, tourism and resource extraction and how these sectors could affect the Arctic environment, including climate feedbacks. Consequently, it is important to closely follow-up the dissemination of the project results together with an exploitation of developed knowledge in order to reach all the concerned stakeholders in a two-ways information of exchange.

### **1.2. Purpose of the document**

The annual report of the dissemination and exploitation indicates the progress regarding the activities of all partners and sets the activities planned for the following year. The plan is part of the WP6 and will be reviewed once a year.

## **2. REPORT ON THE DISSEMINATION AND EXPLOITATION ACTIVITIES IN THE PROJECT'S 1<sup>st</sup> YEAR**

The report describes all the specific and general activity performed to increase the public, policy-maker and industry awareness: website, brochure, presentation at conference, workshop, press relation, publication, data management. The table in Annex I shows a detailed list of all dissemination activities from the beginning of the project. The activities of the 1st year have been consistent with the Dissemination Action Plan described in the DoW.

### **2.1. Identification of related interested parties of the target groups**

In order to improve the quality of the dissemination actions of ACCESS by trying to provide appropriate and dedicated information to a highly varied public, four target groups have been identify: policy makers, academic stakeholders, industrial stakeholders and society—including indigenous people. A list of ACCESS related interested parties belonging to these four target groups will be made in Y2 (D6.22) and upgraded.

### **2.2. Project website**

UPMC launched the project website in September 2011 (M6). The website ([www.access.org](http://www.access.org)) is the main dissemination tools to present and circulate the information to the widest possible audience. It acts as a central point for establish an efficient and effective

dissemination and enhance project related information. The webmaster is the WP6 leader at UPMC.

The ACCESS website is composed of two sections: One accessible by the public at large and the other protected and only accessible to ACCESS partner.

The public section:

- gives information on the structure and objectives of the project,
- provide downloadable information like the newsletters and the brochure, and
- informs on all relevant meetings and dissemination of activities performed by partners: participation to conferences, workshops, interviews, press conferences...

The restricted section gives links towards the Consortium restricted area:

- The wiki: which has been set up (Met.no) to serve as a tool to support internal communication and access to the databanks which are sub-divided into a physical and a non-physical part.
- Vitamib: which is the management platform to help the Project Office to keep track on the Deliverable and Milestone submission as well as follow-up with the activity progress.

ACCESS Website

### 2.3. Production of dissemination materials

- **Brochures**

A brochure has been created and printed targeting broader public. The brochure describes the general objective of the project and WP and gives the Consortium detail list. It is easy to understand with illustrations. In order for the brochure to have a maximum effect on targeted audience, 50 brochures were distributed to each partner for dissemination purpose. The brochure is also available online on the ACCESS project website.



**ACCESS brochure**

- **Newsletters**

Two official electronic ACCESS newsletters were produced and disseminated electronically via the website and by email to the Consortium, Advisory Board and interested parties. They were also submitted by UPMC to the European Commission as part of the deliverable D6.211 and D6.212. The first newsletter was released on September 2011 following the kick off meeting. This newsletter is a general overview of the project and its WP. A printed version was sent to the Consortium. The second newsletter was released on February 2012. This issue reported about the recent activities developed during the past 4 months by the ACCESS partners.



### ***ACCESS Newsletter: issue n°1***

Brochures and Newsletter n°2 were disseminated to the European Commission to the responsible of different DG involved in ACCESS at the occasion of a meeting in Brussels in February 2011.

#### **2.4. Conferences**

During the 1st year of the project, several ACCESS partners participated in renowned international conferences to present the project in order to maximize the visibility of the project. Specific sessions were opened to ACCESS's partners, researchers and stakeholders in Conferences. ACCESS work has been presented in numerous international conferences, e.g. the International Arctic Science Committee in Seoul, Korea in March 2011 - the 'Arctic Frontiers' Conference in January 2012 in Tromsø, Norway or the IPY Conference – “From knowledge to action” in Montreal, Canada in April 2012. Strong involvement of ACCESS partners took place in the conference 'OIL SPILLS IN SEA ICE -- PAST, PRESENT AND FUTURE, organized by the Instituto Geografico Polare "Silvio Zavatti" in Fermo Italy, September 2011. ACCESS participation to the major conferences has been relayed on the website.

## 2.5. Workshops and other meetings


ACCESS WP1 has organized two workshops. To improve the links between WP1 and the more socio-economically oriented work packages WP2 to WP5, a workshop on climate scenarios and climate modelling was hosted by AWI in Bremen. The aim of the workshop was to communicate to non-climate experts, climate science issues that are important for their research on climate change impacts on different sectors and activities. The workshop tried to answer questions regarding the generation of climate scenarios, their inputs and the assumptions and uncertainties involved. This workshop has been extensively relayed on ACCESS website with downloadable presentations and videos of the speakers. A second workshop was focusing on ACCESS fieldwork activities and was held in Villefranche-sur-mer (hosted by UPMC-LOV) to discuss the campaigns during the course of the project. The discussions included fieldwork logistics and coordination with other related projects, e.g. IAOOS and ISAC. Data flow and access of observational data within the project as well as for outreach purposes was discussed. A section of the website hosts a description of upcoming fieldwork activities which will be updated as soon as possible. Last summer fieldwork in Arctic was documented and a video was produced by NPI and is available on the website.

[WP1 workshop on climate scenarios and climate simulation](#)

Click on the links below to download the scientific presentations (pdf documents).


DAY ONE, 5.9.2011

9:00 Opening, [Introduction](#), Logistics



Part 1 Background: Climate Physics

9:30 [Greenhouse gases and climate change](#) (Peter Lemke)  
(carbon inventory, radiation balance, temperature/moisture/heat transport/polar amplification, ice sheet etc mass balance, sea level, ocean acidification)



***Videos of the WP1 workshop on climate scenarios and climate modelling on the website***

In addition, two meetings were held between ACCESS project coordinator/partners and EC/EEAS representatives in Brussels. The objective was to discuss the political framework of the EU relations regarding the Arctic regions. On July 7, 2011, the discussion focused on the Arctic governance activities of ACCESS (WP5) with EU representatives from different DGs showing the cross cutting aspects of the ACCESS project and the high level of expectations from the European Commission side. On February 20, 2012, the discussion focused on cooperation between ACCESS and the EU Arctic Forum (EUAF) to better disseminate, inform and discuss ACCESS results to and with EU policy makers.

## **2.6. Publications**

Publications refer to public articles and press releases. The project has been disseminated in newspaper articles mainly on the internet. This medium has proved particularly useful since it has disseminated the project at large to a wide public which would not be easily identified via standardized methods of dissemination such as events and scientific conferences. The related media outcomes are listed on the website.

- **Press**

Press offices from partners (UPMC, AWI and UPC) have sent out 3 press releases and organized 2 press conferences (Paris and Barcelona) during the first year of the project (kick-off meeting, workshop on climate scenarios). Interviews by the local press were also organized. For instance, further to the Press conference for the project launching (see Annex-II), articles in famous French magazine such as “Les Echos”, “Le Point”, “Le Monde” were released. The related media outcomes are listed on the website.

- **Articles on web**

Articles related to ACCESS were published on the web on eurasiareview.com, science pole.com, polar foundation.....

## **2.7. Exploitation of knowledge**

To support communication within the project as well as to inform external users of the data sets generated by the project a data management system has been set up. Two parallel, but wholly integrated data management locations are available, one for climate related data and one for all other data and records.

- **Non-climate data management**

The data management system for non-climate data is available at a secure ftp hosted at the NOC. All ACCESS WP leaders are aware of this and have responsibility to upload nonclimate data outputs from their activities to this secure area. Using these data WP5 will generate Marine Spatial Planning (MSP) information that will be made available as shape files. Concerning the preparation of data available from publically available sources, these are being identified and are currently being used to develop the MSP.

Using both publically available data and ACCESS outputs the intention is to make available



the GIS element of the MSP via a web based GIS system, similar to those used by existing Arctic studies, e.g. PAME ArcticData portal.

Data providers using the non-climate part of the ACCESS Data Management System may document their data within the climate system using a metadata editor. This editor will be upgraded in May/June 2012 as part of other projects. The editor includes a URL reference to the actual data when located in the non-climate data management system. None nonclimate datasets have so far been documented in the system operated by METNO.

- **Climate data management**

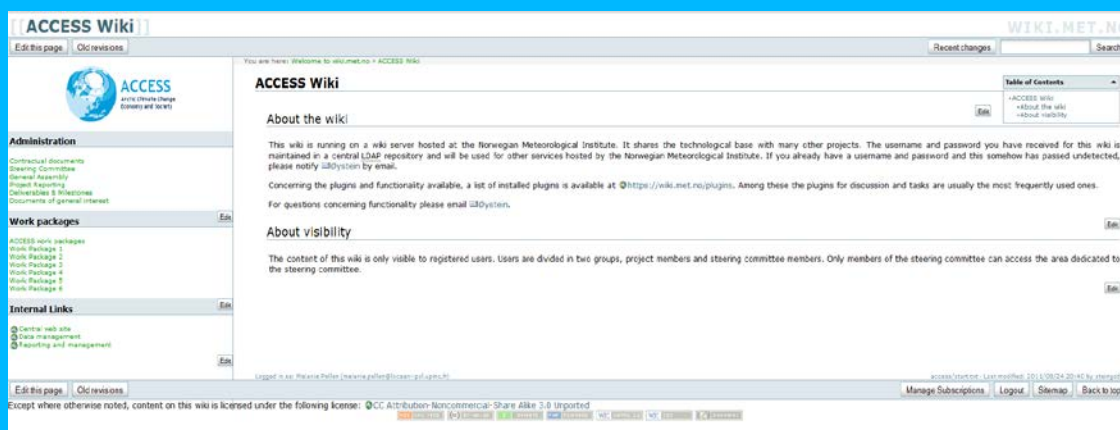
The data management system for climate data is available at <http://access.met.no/>. This is a similar system to the system set up for Damocles and the interactive search interface is available at <http://access.met.no/metamod/search/>.

Concerning the preparation of data received from GTS, a system for data extraction and reformatting from WMO BUFR to NetCDF/CF has been developed. Some preliminary files have been inserted in the data management system, full production will be implemented within April. Only WMO resolution 40 (freely available without any restrictions) data are converted currently. Inclusion of other data may be initiated but will require agreements with data providers.

Data providers using the non-climate part of the ACCESS Data Management System may document their data within the climate system using a metadata editor. This editor will be upgraded in May/June 2012 as part of other projects. The editor includes a URL reference to the actual data when located in the non-climate data management system. None nonclimate datasets have so far been documented in the system operated by METNO.

- **Wiki**

In addition to the data management system a wiki solution to facilitate internal communication within the project has also been set up (Met.no). The address for this is <https://wiki.met.no/access/>. It provides links to the website, the reporting and management site, and the data banks.



**ACCESS Wiki**

### **3. PLAN ON DISSEMINATION AND EXPLOITATION FOR THE 2<sup>nd</sup> YEAR**

1. Keeping the website up-to-date: Consortium members are the main source of information and the ones responsible for adding content.
2. Production of two dedicated policy brief
3. Release of two newsletters
4. An International workshop on noise impacts of the foreseeable increase of activities in the Arctic and on the mitigation measures that would be needed will be organized by UPC in Barcelona on M24.
5. Foster the cooperation with the EU in Brussels with the organization of a 2<sup>nd</sup> meeting with the EC DG representatives
6. Consolidate initial contacts to the EU Arctic forum
7. Presentation of ACCESS to International Conference such as “Arctic Frontiers”.

## Annex I - List of Dissemination Activities

## TEMPLATE A2 : LIST OF DISSEMINATION ACTIVITIES

NO.	Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries adressed
1	Presentation	P13 - SAMS	Presentation of ACCESS to the International Arctic Science Committee: Marine Working Group	23/03/2011	High level science representatives from Arctic Science Nations	SEOUL, KOREA	20+	Numerous
3	Presentation	P14 - Beijer Institute	Two EU projects: Arctic Tipping points and ACCESS	24/05/2011	Researchers and students	Stockholm Resilience Centre, Stopckholm Sweden	about 30 people	Sweden + foreign guest researchers
4	Presentation	P14 - Beijer Institute	Arctic Climate Change Economy and Society - ACCESS an EU 7th framework program	31/05/2011	Diplomats, policy representants, NGO and researchers	Stockholm	about 70 people	EU countries + Arctic countries
5	Poster and Oral Presentation	P06 - AWI	Simulating Arctic sea-ice	21/08/2011	Scientific Community	Summer School on Arctic climate change in Longyearbyen, Svalbard	about 30	European countries, Russia, USA, Canada
6	TV interview	P06 - AWI	Interview wrt Sea Ice minimum	-/09/2011	TV audience	Hamburg, Germany	-	Germany
7	TV interview	P02 - Oasys	Interview wrt Sea Ice minimum	-/09/2011	TV audience	Hamburg, Germany	-	Germany
8	WP1 Workshop	P06 - AWI	Climate Scenarios and Climate Simulation	05/09/2011	Scientific Community	Bremen, Germany	about 40	ACCESS partner countries
9	Press interviews	P06 - AWI	ACCESS WP1 workshop on Climate Scenarios and Climate Simulation.	05/09/2011	Researchers, Public	Bremen, Germany	30	European and North American

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10	Video	P06 - AWI	ACCESS WP1 workshop on Climate Scenarios and Climate Simulation.	05/09/2011	Researchers, Public	Bremen, Germany	30	European and North American
11	Presentation	P02 - Oasys	ACCESS WP1 workshop on Climate Scenarios and Climate Simulation.	05/09/2011	Researchers	Bremen, Germany	30	European and North American
12	Presentation	P06 - AWI	ACCESS WP1 workshop on Climate Scenarios and Climate Simulation.	05/09/2011	Researchers	Bremen, Germany	30	European and North American
13	Press interviews	P02 - Oasys	ACCESS WP1 workshop on Climate Scenarios and Climate Simulation.	05/09/2011	Researchers, Public	Bremen, Germany	30	European and North American
14	Video	P02 - Oasys	ACCESS WP1 workshop on Climate Scenarios and Climate Simulation.	05/09/2011	Researchers, Public	Bremen, Germany	30	European and North American
15	Publication	CO01 - UPMC	ACCESS Newsletter No. 1	13/09/2011	-	Paris	-	-
16	Presentation	P13 - SAMS	Oil spill modelling and under ice bathymetry : A different view	21/09/2011	Engineers, scientists, media and industry	Fermo, Italy	50	European and north American
17	Presentation	P06 - AWI	Arctic Ocean Model Intercomparison workshop	23/10/2011	Researchers	WHOI, Woods Hole, USA	100	Global
18	Presentation	P02 - Oasys	Arctic Ocean Model Intercomparison workshop	23/10/2011	Researchers	WHOI, Woods Hole, USA	100	Global
19	Presentation	P02 -	Arctic Subarctic Flux	08/11/2011	Researchers	Bergen, Norway	20	European and

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20	Presentation	Oasys P06 - AWI	Study Meeting Arctic Subarctic Flux Study Meeting	08/11/2011	Researchers	Bergen, Norway	20	North American European and North American
21	WP1 Workshop	CO01 - UPMC	FIELDWORK ACTIVITIES	24/11/2011	Scientific Community	Villefranche-Sur-Mer, France	About 30	ACCESS partner countries
22	Working paper	P14 - Beijer Institute	Managing resources with potential regime shift: Using experiments to explore social- ecological linkages in common resource systems	-/01/2012				
23	Diploma Thesis	P09 - HSVA	Sea Spray icing - Ice accretion on sea going vessels due to sea spray	05/01/2012		Hochschule Bremen University of Applied Sciences		
24	Bachelor Thesis	P09 - HSVA	Effects of ice reduction on Arctic shipping and possible threats to the polar region by the increasing use of new routing at " The Northeast Passage (NEP)	23/01/2012		Hochschule Wismar University of Applied Sciences Technology, Business and Design Fakultät für Ingenieurwissenschaften Bereich Seefahrt		
25	Presentation	P16 - IMPac	LNG Loading in Harsh and Ice Conditions "â€" Presentation of a New Concept	25/01/2012	Engineers, scientists, media and industry	Arctic Frontiers - Conference, Tromso, Norway	About 70	EU countries + Arctic countries

## Arctic ocean under close surveillance at UPMC.

### ACCESS kick-off meeting.

Paris, March 8 -10, 2011.



The ACCESS (Arctic Climate Change, Economy and Society) kick-off meeting is being held at UPMC. This European project is financed in response to the first call “Ocean for Tomorrow” of the 7<sup>th</sup> Framework Programme Research and Development. It started on March 1<sup>st</sup>, 2011 and will end on March 1<sup>st</sup>, 2015. Under UPMC leadership and involving 27 partners from 9 European countries including Russia, ACCESS main objective is to assess climatic impacts on marine transportation (including tourism), fisheries, marine mammals and the extraction of oil and gas in the Arctic Ocean. ACCESS is also highly concerned with Arctic governance and policy-makers options.



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#### Website:

<http://access.ent.upmc.fr/en/>

(Still under construction)

[www.upmc.fr](http://www.upmc.fr)

[www.pro.upmc.fr](http://www.pro.upmc.fr)

[www.upmc-tv.fr](http://www.upmc-tv.fr)

[www.sport-upmc.fr](http://www.sport-upmc.fr)

 [Twitter](#)

 [Facebook](#)

#### Context and Objectives:

Arctic climate change is going to have strong impacts on both marine ecosystems and human activities in the Arctic, which in turn has important socio-economic implications for Europe. ACCESS will propose Arctic climate change scenarios and evaluate their impacts on marine transportation (including tourism), fisheries, marine mammals and the extraction of hydrocarbons in the Arctic for the next decades with particular attention to environmental sensitivities and sustainability. ACCESS is engaged in integrating Arctic climate change and socioeconomic impacts and identifying Arctic governance options. ACCESS will also engage in close cooperation with indigenous people and other stakeholders.

ACCESS is composed of 5 working groups:

- A first group will focus on monitoring and modeling Arctic climate change involving ocean, atmosphere and sea-ice.
- A second group will study the opening to marine transportation of the northern passages, north of Europe and Siberia (North-East passage) and through the Canadian Archipelago (North-West passage) as well as the impact of these transportation activities on marine ecosystems and society.
- A third group will examine how climate change impacts on Arctic fisheries, aquaculture and livelihood, mainly in the sub-Arctic sectors such as the Barents Sea.
- A fourth group will determine how the extraction of offshore oil and gas might be influenced and affected by climatic change, taking into account associated risks
- A fifth group will examine Arctic governance options emerging from the findings of the other groups.

An open forum will be created for stakeholders interested in the ACCESS consortium activities and crosscutting research. Leading experts working in the ACCESS field of study will sit on the ACCESS advisory board.

To ensure international dissemination of ACCESS activities, specific links will be set up with internationally renowned organizations such as the Arctic Information Center from the University of Lapland in Rovaniemi (Finland). ACCESS has close links with international organizations overseeing international research in the Arctic and specifically with IASC (Arctic Council) via ISAC (International Study of Arctic Change).

Communication within ACCESS is led by UPMC and involves collaboration with all ACCESS partners, the steering committee, the coordinator, the manager of ACCESS and the European Commission. The project results will be disseminated by various means such as quarterly newsletters and will be distributed electronically via a website.