

*Knowledge as a key asset of adaptation*



INTERNATIONAL SCIENTIFIC CONFERENCE  
**PROBLEMS OF ADAPTATION TO  
CLIMATE CHANGE**



**7–9 November 2011**

MOSCOW, RUSSIAN FEDERATION

[WWW.PACC2011.RU](http://WWW.PACC2011.RU)

SECOND INFORMATION LETTER



**ipcc**



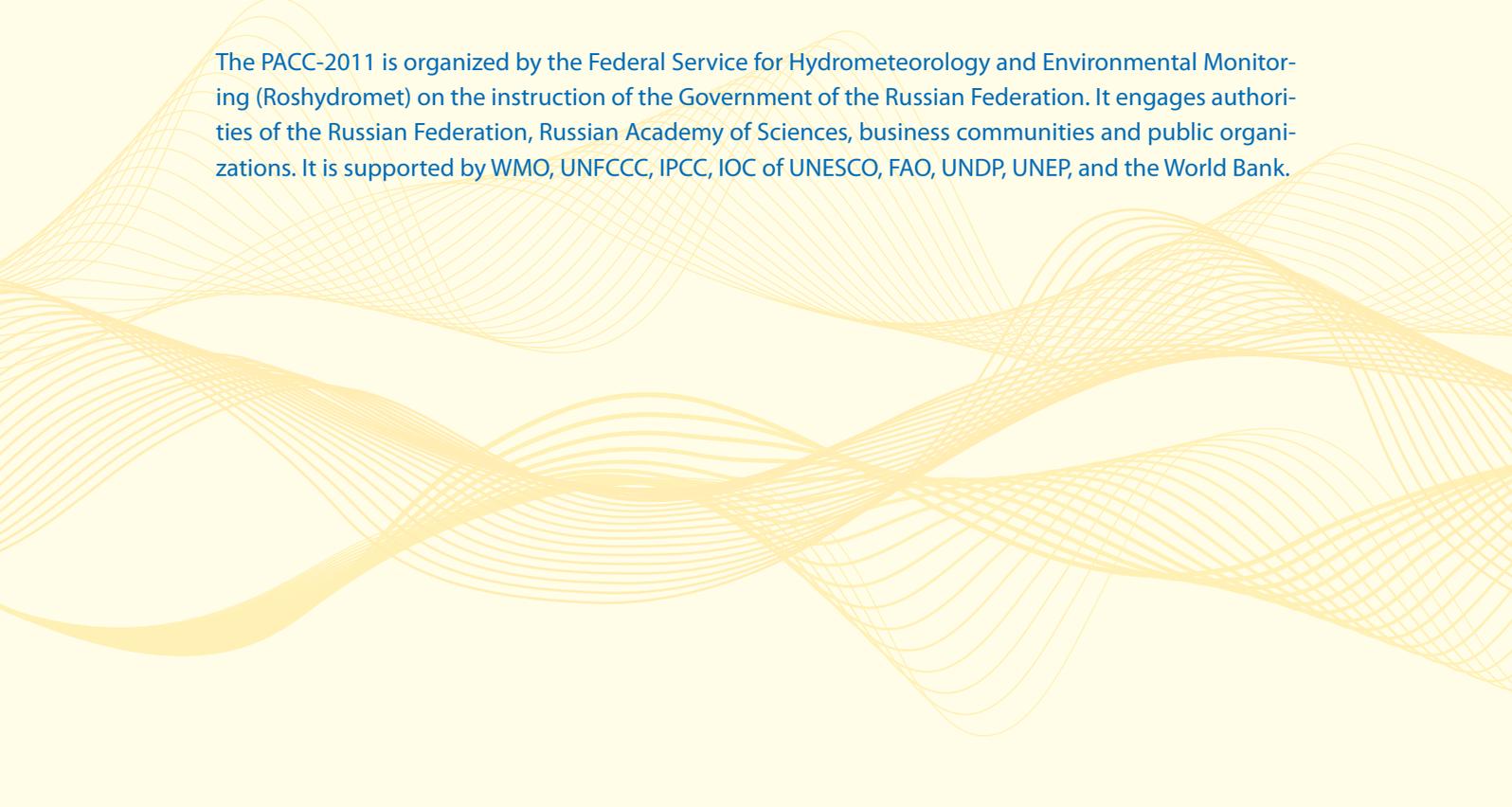
## About the Conference

Considering the need for scientific discussion of issues of adaptation to on-going and expected climate change, international exchange of adaptation experiences and plans, and identifying priorities for adaptation research, as well as discussion of possibilities of stabilizing climatic parameters at an acceptable level by means of geoengineering and other new technologies, the Russian Federation will hold a major international conference on the problems of adaptation to climate change (PACC-2011). The idea of holding such a conference was supported by the G8 Summit in Muskoka (Canada, 25-26 June 2010). PACC-2011 will provide a forum for in-depth discussion and scientific justification to actions towards adaptation to the current and projected climate change and aims at the exchange of experiences and plans concerning adaptation. All this is expected to make a contribution to establishing the Global Framework for Climate Services, initiated by the World Climate Conference-3 (2009), and to be an advancement in pooling together the world community efforts in adaptation to climate change, including anticipatory adaptation. Additionally, PACC-2011 will consider different emerging and promising opportunities to influence components of the Earth radiation balance, capable of stabilizing global climate under anthropogenic forcing.

The topics of PACC-2011 will include: assessment of climate change impacts on sustainable development, vulnerability, risks, losses and benefits, capacity for adaptation to the current and anticipated climate change, large-scale weather anomalies and their consequences, including development of observation systems and early warning systems, and identifying new approaches to enable preservation of stable climate. Such new technologies would enable the capacity of the world community to protect the global climate system to be enhanced, as well as the extent of adverse consequences of climate change and scope of adaptation actions to be reduced. At the same time new technologies must be developed with maximum caution.

The Conference will identify the paths for the world community consolidation, multidimensional integration and interactions between science and business communities, social groups (including indigenous peoples) and governmental entities, both nationally and internationally, in order to address the issues of adaptation to climate change and, in particular, as a contribution to establishing the Global Framework for Climate Services.

The PACC-2011 is organized by the Federal Service for Hydrometeorology and Environmental Monitoring (Roshydromet) on the instruction of the Government of the Russian Federation. It engages authorities of the Russian Federation, Russian Academy of Sciences, business communities and public organizations. It is supported by WMO, UNFCCC, IPCC, IOC of UNESCO, FAO, UNDP, UNEP, and the World Bank.

A decorative graphic at the bottom of the page consisting of multiple overlapping, wavy lines in a light yellow or orange color, creating a sense of movement and depth.

## PACC-2011 programme

PACC-2011 programme covers 3 days and consists of plenary sessions (the first and third days), three parallel sections, poster session, and three round tables (the second day).

It is expected that plenary invited talks will be given by:

- **Ulrich Bathmann**, Alfred Wegener Institute, Germany
- **Yury Izrael**, Roshydromet and Russian Academy of Sciences (RAS), Russian Federation
- **Jean Pascal van Ypersele**, IPCC
- **Nikolay Kasimov**, Lomonosov Moscow State University, Russian Federation
- **Robert Corell**, American Meteorological Society, USA
- **Martin Parry**, Grantham Institute and Centre for Environmental Policy, Imperial College London, UK
- **Alan Robock**, Rutgers University, USA
- **Marianne Fay**, World Bank
- **Alexander Frolov**, Roshydromet, Russian Federation

### November 6

16:00-21:00	Early registration (recommended)
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### November 7

08:00-09:00	Registration
09:00-10:30	<b>Opening, greetings</b> Co-chairs R. Pachauri (IPCC) and A. Frolov (Russian Federation)
10:30-11:00	Coffee
11:00-12:30	<b>Plenary: invited talks</b>
12:30-14:00	Lunch
14:00-15:30	<b>Plenary: invited talks</b>
15:30-16:00	Coffee
16:00-18:00	<b>Plenary: invited talks</b>
18:30-20:00	Reception

### November 8

09:00-10:30	<b>Parallel section 1 "Adaptation policies and measures"</b> Co-chairs: A. Noorian (Iran) and V. Kattsov (Russian Federation)	<b>Parallel section 2 "Adaptation economics"</b> Co-chairs: A. Markandya (Spain) and B. Porfiriev (Russian Federation)	<b>Parallel section 3 "Possibilities of climate stabilization using new technologies"</b> Co-chairs: U. Bathmann (Germany) and Yu. Izrael (Russian Federation)
10:30-11:00	Break		
11:00-12:30	<b>Parallel section 1 (continued)</b>	<b>Parallel section 2 (continued)</b>	<b>Parallel section 3 (continued)</b>
12:30-14:00	Lunch		

November 8			
14:00-15:30	<b>Round table 1:</b> "Risks for indigenous people in regions vulnerable to climate change: adaptation perspective" Moderators: V. Bambanze (Burundi) and R. Sulyandziga (Russian Federation)	<b>Round table 2:</b> "State and business interaction in addressing adaptation issues" Moderators: O.Pluzhnikov (Russian Federation); the other moderator – TBD	<b>Parallel section 3</b> (continued)
15:30-17:00	<b>Round table 3:</b> "Specific features of adaptation to climate change in economies in transition" Moderators: K. Udovički (UNDP) and V. Sergeev (Russian Federation)	<b>Poster session</b>	
15:30-18:00	<b>Poster session</b>		

November 9	
09:00-10:30	<b>Plenary: reports of section chairs, round table moderators and poster session rapporteurs</b>
10:30-11:00	Coffee
11:00-12:30	<b>Plenary</b> (continued)
12:30-14:00	Lunch
14:00-15:30	<b>Discussion and adoption of summary documents, closing the Conference</b>

### Section 1 themes:

- **Making decisions on adaptation under uncertainties.** Uncertainties of climate change scenarios and associated climate impacts, the hierarchy of uncertainties and timing of adaptation; the role of science in taking decisions and guiding through uncertainties; the role of science in ensuring flexibility of adaptation policy (monitoring and assessment of adaptation efficiency, correction of adaptation measures).
- **Adaptation in the context of development.** Mainstreaming adaptation into development; the role of scientific research in planning, organizing and managing adaptation in the interest of development; adaptation as a result of interaction of the science and stakeholders-users of climate information; instruments of decision taking accounting for adaptation.
- **Optimizing and combining adaptation measures.** Development of observation systems and early warning systems; the role of science in determining the proportion between proaction and reaction; combination of adaptation in public and private sectors.

## Section 2 themes:

- **Economic impacts of climate change and adaptation problems: general approaches to assessment and prediction.** Approaches to and methods of assessment of socio-economic impacts of climate change and adaptation in different countries and international organizations.
- **Assessment and prediction of climate change impacts and problems of adaptation of individual sectors of economy.** Approaches to and methods and measures of adaptation in specific sectors of economy: agriculture, forestry, water resources, energetic, health care.
- **Investing in adaptation: main direction, risks and socio-economic efficiency.** Efficiency, advantages and risks of investments in adaptation (experience and predictions in different countries and regions), risk insurance.

## Section 3 themes:

- **Exploring ways to control of solar radiation inflow.** Injection of aerosols into the lower stratosphere; albedo modification of land surface and cloud cover; application of potential space technologies to create a solar energy reflectors outside the Earth's atmosphere.
- **Scientific evaluation of possibilities to intensify CO<sub>2</sub> removal from the atmosphere.** Enhancement of oceanic uptake of surplus CO<sub>2</sub> from the atmosphere; chemical sequestration of atmospheric CO<sub>2</sub>. Conservation of CO<sub>2</sub> due to reforestation, afforestation, and using bio-char. Underground and deep ocean storage of CO<sub>2</sub>.
- **Comparative assessment of efficiency, costs and risks of climate stabilization through different approaches.** Cost-effectiveness studies on Kyoto protocol measures and geoengineering approaches; international aspects of application of geoengineering methods for stabilizing the climate; possible side effects of geoengineering.

## Round Table 1 themes:

- Consolidation and sharing of indigenous experiences on climate change impact on traditional life-style and environment.
- Increasing role and indigenous peoples' participation in international processes for partnership and strategy development on adaptation at local, national and global levels.
- Discussion and finding efficient solutions jointly with scientific society, state and international bodies.

## Round Table 2 themes:

- Adaptation risks and opportunities.
- State and business partnership.
- Corporate plans on adaptation.
- Role of Public-Private Sector Partnerships in supporting community adaptation initiatives.
- Social responsibility of business.

### **Round Table 3 themes:**

- Results of international and national studies on adaptation to climate change in economies in transition.
- Regional specifics of development and implementation of low-carbon emissions and climate-resilient development strategies.
- Status and perspectives of implementation of the Central Asia Multi-Country Programme on Climate Risk Management (CA-CRM).
- International mechanisms of “climate finance” and their linkages with the national priorities of international assistance for adaptation to climate change.

The programme of presentations at the Conference will be formed based on consideration of submitted abstracts by the International Organizing Committee. The International Organizing Committee reserves the right to reject suggested presentations, if thematically they do not fit the objectives of the Conference.

It is planned to publish the proceedings of PACC-2011.

### **The working languages of the Conference are Russian and English.**

Simultaneous interpretation will be available during the sessions and round tables.

### **PACC-2011 venue**

The Conference will be held at the World Trade Centre, Moscow, **12, Krasnopresnenskaya embankment** (<http://www.wtcmoscow.ru>).

It is recommended that participants stay at the World Trade Centre’s hotel “**Crowne Plaza Moscow World Trade Centre**” (<http://www.cpmow.ru>).

### **Registration of participants and submission of abstracts**

On-line registration of participants and submission of abstracts opens on August 5, 2011 at the PACC- 2011 web-site: [www.pacc2011.ru](http://www.pacc2011.ru)

### **Financial support of participation in PACC-2011**

PACC-2011 Organizing Committee has limited funds to support participants from developing countries. Partial or full support may be provided to the above category of PACC-2011 participants based on consideration by the Organizing Committee of their presentation abstracts submitted in due time.

### **Entry formalities (passport and visa)**

To travel to Russian Federation a foreigner must have a valid passport and, in most cases, an entry visa. The Organizing Committee provides a visa support to the participants of the Conference who have passed the registration by 16 September and whose attendance has been approved by the Organizing Committee.

## Important dates

5 August – beginning of the participants on-line registration and submitting abstracts of presentations.

16 September – last day for submitting abstracts by those participants, who need Russian entry visa.

16 September – last day for submitting abstracts by those participants, who apply for financial support of their participation in PACC-2011.

2 October – last day for submitting abstracts by all participants.

## PACC-2011 International Organizing Committee

**Dr. Alexander Frolov**, Chair of the Conference, Roshydromet, Russian Federation

**Dr. Keith Alverson**, UNEP

**Ms. Elena Armand**, UNDP

**Prof. Ulrich Bathmann**, Alfred Wegener Institute, Germany

**Dr. Victor Blinov**, Roshydromet, Russian Federation

**Mr. Mitrasen Bhikajee**, IOC of UNESCO

**Prof. Yury Izrael**, Roshydromet and RAS, Russian Federation

**Mr. Alan Carlin**, Environment Protection Agency, USA

**Dr. Vladimir Kattsov**, Roshydromet, Russian Federation

**Dr. Rupa Kumar Kolli**, WMO

**Prof. Vladimir Kotlyakov**, RAS, Russian Federation

**Mr. Tomasz Lonc**, FAO

**Prof. Anil Markandya**, Basque Centre for Climate Change, Spain

**Mr. Youssef Nassef**, UNFCCC

**Prof. Robert Nigmatulin**, RAS, Russian Federation

**Dr. Ali Mohammad Noorian**, Advisor to President of Islamic Republic of Iran for Meteorology and Climate Change Affairs

**Dr. Mary Power**, WMO

**Mr. Olli Pirkanniemi**, EU

**Mr. Oleg Pluzhnikov**, Ministry of Economic Development, Russian Federation

**Prof. Boris Porfiriev**, RAS, Russian Federation

**Prof. Alan Robock**, Rutgers University, USA

**Mr. Vladimir Sergeev**, Ministry of Foreign Affairs, Russian Federation

**Mr. Rodion Sulyandziga**, Center for Support of Indigenous Peoples of the North, Russian Federation

**Ms. Caroline Wilson**, Minister-Counsellor for Economic Affairs of the British Embassy in the Russian Federation

**Dr. Marianne Fay**, World Bank

**Dr. Zheng Guoguang**, Administrator of China Meteorological Administration

The National Organizing Committee, which is to settle organizational matters of the preparation to the Conference, includes representatives of Ministry of Natural Resources and Environment of the Russian Federation, Ministry of Finance of the Russian Federation, Ministry of Internal Affairs of the Russian Federation, "Mosecomonitoring".



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