



**The IVth Annual International Workshop on
“C/H₂O/Energy balance and climate over boreal regions
with special emphasis on eastern Eurasia”,
dedicated to 55th anniversary since starting experimental works
at “Spasskaya Pad” station of IBPC SD RAS.
14-16 July, 2008. Yakutsk, Russia**

- 2nd Circular -

Purposes

The C/H₂O/Energy cycles in the boreal areas are important in the global climate system. They influence not only the interactions between atmospheres, land surface and soil layer at various temporal and spatial scales, but also the runoff to Arctic sea. At the beginning of 1990s, intensive observations on C/H₂O/Energy cycles were carried out in the northern America and Scandinavia by American, Russian, European and Japanese Projects. In Siberia, Russian, European and Japanese Projects have investigated the C/H₂O/Energy cycles in various land surfaces, mature forests, burned forests, tundra etc, in the last decade.

In 2008 we commemorate 55 years since starting field experimental works at the scientific station “Spasskaya Pad” of IBPC SD RAS. At present, the station is rightfully considered to be a regional research outpost on the study of environmental and global climate changes in the cryolithic zone.

Three previous annual workshops were held in October 2004 in Yakutsk, January 2006 in Amsterdam and January 2007 in Nagoya that aimed to identify the different issues focused by Russian, European and Japanese Projects. The projects working at east Siberia were tackling and intend to broaden the discussion during these previous workshops. This fourth workshop aims to broaden the discussion, bring in other parts of the Siberian forest, integrate and synthesize the results, and discuss the further issues investigated in this region.

The workshop is held by the Institute for Biological Problems of Cryolithozone, Yakutsk, Russia on 14-16 July 2008. It is co-organized by Han Dolman (VUA, The Netherlands), Takeshi Ohta (Nagoya Univ., Japan) and Trofim Maximov (IPBC, Russia).

Issues to be discussed:

- a) Outlines and scientific meanings of Spasskaya Pad: past, present and future investigations
- b) Research status of each project
- c) Physical processes of C/H₂O/Energy cycles related to various time scales
- d) Plant physiological processes on C/H₂O/Energy cycles
- e) Methane emissions
- f) Forest ecosystem and structure related to C/H₂O/Energy cycles
- g) Winter processes and its impacts on C/H₂O/Energy cycles
- h) Usage of satellite remote sensing technique

- i) Development of models and analyses on C/H₂O/Energy cycles to understand from the patch scale to the wider context of boreal area
- j) Boreal forest managements and C/H₂O/Energy cycles (e.g. impacts of fires, logging and so on)
- k) Round table dedicated to Prof. L.K. Pozdnyakov's memory

Schedule

Workshop 14-15 July, 2008
Excursion 16 July, 2008 around Yakutsk city

Sponsors

Graduate School of Bioagricultural Sciences, Nagoya University (GSBS), Japan
Research Institute of Human and Nature (RIHN), Japan
The Vrije Universiteit (VUA), The Netherlands
Forest Institute, Krasnoyarsk, SB RAS (FI), Russia
Institute for Biological Problems of Cryolithozone, SB RAS, Yakutsk, Russia (IBPC)

Registration

We accept your registration until **1 May 2008** (Appendix 1). The participants should send the following issues to Dr. Trofim Maximov, t.c.maximov@ibpc.ysn.ru, during the above period.

- a) Name:
- b) Affiliation:
- c) Presentation: Yes or No
- d) Title of presentation (if c) is "Yes"
- e) Participation for the excursion: Yes or No

The presentation time 25 min

Presentation including short self-introductions: 15-20 min. Discussion: 5-10 min.

Extended abstract

Proceedings will be published for this workshop. The extended abstract (4 pages) should be submitted to Dr. Trofim Maximov, t.c.maximov@ibpc.ysn.ru, by a pdf file until **10 November 2008**. The format of manuscript is added in this circular (Appendix 2).

Fee

Excursion around Yakutsk (2 museums, 1 lunch and a chartered bus): about USD200

Accommodation

Holbos hotel, 200 m far from IBPC (single room – \$50, double room - \$84)
Sterkh hotel, 800 m far from IBPC (single room – \$90, double room - \$130)

Venue

Conference Hall of the Institute for Biological Problems of Cryolithozone of Siberian Branch of the Russian Academy of Sciences: 41, Lenin Avenue, Yakutsk, 1st floor

Contact person for the workshop

Dr. Trofim Maximov, e-mail: t.c.maximov@ibpc.ysn.ru

Tel: +7 (411) 233 58 97 (office)

Mobile: +7 914 235 5354 or 8 9019 240 279

Contact person for the excursion

Dr. Alexander Kononov, e-mail: a.v.kononov@ibpc.ysn.ru

Mobile: +7 924 160 8244

Application form for
IVth Annual International Workshop on
“C/H₂O/Energy balance and climate over boreal regions
with special emphasis on eastern Eurasia”,
Yakutsk, Russia. July 14-16, 2008

Name	Phone
Organization	Fax/e-mail
Position	Title of report
Academic degree	Report form: oral/poster
Address	Participation form: attend/not
Passport data	Excursion: Yes/No

**A Format of the Extended Abstract for International Semi-Open Workshop
"C/H₂O/Energy Balance and Climate over Boreal Regions
With Special Emphasis on Eastern Eurasia"**

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Key words: water cycle, carbon cycle, Siberia, Boreal zone

Introduction

This is a Format of the Extended Abstract for International Semi-Open Workshop "C/H₂O/Energy Balance and Climate over Boreal Regions with Special Emphasis on Eastern Eurasia".

Page margin of the paper: Top: 20mm, Bottom: 30 mm, Left: 20 mm, Right: 20 mm

The acceptable page size is A4. The extended abstract should be four pages with the page number on each page. The extended abstract needs *Key words* (Italic) less than five.

Paper format

The paper consists of Title, Author name(s), Organization(s), Body of paper, and References. The manuscript should be a "camera-ready" style.

Title: 12pt, Bold, Centering, Times New Roman Font. Author name(s): 10pt, Centering, Times New Roman Font. Organization(s): 10pt, Centering, Times New Roman Font. Key words: 10pt, Centering, Italic Times New Roman Font. Body part: two columns, 10pt, Times New Roman Font. Main text: 11pt, Times New Roman Font.

Chapters: 11pt, Bold, Times New Roman Font.

References: 10pt, Times New Roman Font.

Figure and Table: All figures and tables must be inserted in the text. Captions of Figure(s) and Table(s): 10pt, Times New Roman Font.

References

Kirkby M.J., 1978. *Hillslope Hydrology*. John Wiley & Sons, Chichester, 389p.

Pitman A.J., 2003. The evolution of, and revolution in, land surface schemes designed for climate models. *Int. J. Climatol.* **23**, 479-510.

Electronic submission.

The electronic copy of the manuscript must be sent to Trofim Maximov, IBPC, RUSSIA, (e-mail address: t.c.maximov@ibpc.ysn.ru) through e-mail with an attached file. The manuscripts must be a pdf file.

Author(s) must write down "Manuscript for YKS WS" in the subject of e-mail. The contact addresses, both of mail address and e-mail address must be written in the body of e-mail.

The deal line of submission is 10 November, 2008.