

Summary of RSMC Obninsk Activities for 2016

Executive Summary

RSMC Obninsk activities for 2016 mainly connected with the Regional Specialised Meteorological Centre (RSMC) suite of tests, including the quarterly IAEA-led tests.

Also RSMC Obninsk provided atmospheric backtracking products for the Provisional Technical Secretariat (PTS) of the Comprehensive Test Ban Treaty Organization (CTBTO) in March, October and November.

The RSMC Obninsk report of activities for 2016 is available on the WMO ERA Web page at <http://www.wmo.int/pages/prog/www/DPFSERA/resources.html>.

The following document summarises the activities and changes during 2016.

1. Introduction

The Federal Environmental Emergency Response Centre of Roshydromet (FEERC of Roshydromet) is designated by the WMO as the Obninsk Regional Specialized Meteorological Centre (RSMC) for the provision of atmospheric transport model products for environmental emergency response. The region of responsibility is WMO Regional Association (RA) II, which encompasses Asia. RSMC Obninsk performs its functions jointly with RSMC Tokyo and RSMC Beijing in WMO RA II. In addition to emergency response, RSMC Obninsk contributes global inverse modelling support to the CTBTO.

2. Operational Contact Information

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3. Responses and information on dissemination of products

Participation in international inverse dispersion modeling events and exercises with CTBTO.

During 2016 RSMC Obninsk received requests for support from Provisional Technical Secretariat of the Comprehensive Test Ban Treaty Organization, both real and exercise scenarios from the Provisional Technical Secretariat of the Comprehensive Test Ban Treaty Organisation (CTBTO). In all cases, the products were supplied to CTBTO within the allowed time limit.

4. Routine operations

RSMC Obninsk participated in quarterly exercises of 2016:

18 February (RA I and RA VI),

17 May (RA II),

16 August (RA III and RA IV),

15 November (RA V).

In exercises 17 November according to Memorandum of the RSMCs for EER in RAII RSMC Obninsk performed a leading role in the Asian region.

During the exercise was held the discussion of the joint statement between RSMC Obninsk, Beijing and Tokyo. The final version of the joint statement was sent to the. Transport model graphical products and joint statements are posted to secure joint RSMCs web pages and faxed to NMHSs. After completion of the exercise, RSMC Obninsk conducted check-list of all RSMC Web pages.

Also in may RSMC Obninsk participated in exercises ConvEx-1c and all communication tests.

All the products are laid out on the websites of other RSMC:

Beijing <http://rsmc.cma.gov.cn/rsmc-bin/jntrsmc.pl>

Exeter <http://rsmc.metoffice.gov.uk/cgi-bin/jntrsmc.pl>

Melbourne <http://reg.bom.gov.au/cgi-bin/reg/EER/jntrsmc.pl>

Montreal <http://eer.cmc.ec.gc.ca/eer-bin/jntrsmc.pl>

Obninsk <http://www.feerc.ru/rsmc-bin/jntrsmc.pl>

Tokyo <http://eer.kishou.go.jp/cgi-bin/jntrsmc.pl>

Toulouse <http://www.meteo.fr/cmrs/rsmc2-bin/jntrsmc.pl>

Washington <http://ready.arl.noaa.gov/rsmc2-bin/jntrsmc.pl>

5. Email and fax tests

For 2016 RSMC Obninsk participated in tests of all communication. RSMC Obninsk independently conducted test communication in the Asian region among 29 the countries in July 2016. To all NMHSs was sent the requests by fax и e-mail with the aim of checking the operation of communication channels and the relevance of contact information.

The test results show that information about the presented data and contacts:

Contact information have changed in 6 countries.

Requests by e-mail were successful in 26 countries (89%).

Requests by FAX were successful in 15 countries (51%).

6. Lessons learned from recent experiences and significant operational and technical changes

During 2016, all requests received by the RSMC Obninsk, quickly worked out.

But in some cases, the requests received by FAX during the exercise was hard to read due to poor quality, therefore we offer a standard request form (Environmental Emergency Response Request for WMO RSMC Support by IAEA), for the transmission of the Fax to print in bold font type.

The major number of system failures caused by technical failures in transmission of faxes and e-mails. Information is fully reflected in the results of communication test in Asian RA II (R II).

7. Operational issues and challenges:

The main problems encountered in the process of interaction with NMHSs in RA II when sending data by Fax and e-mail.

8. Plans for 2017:

To continue the work with all RSMCs during training, emergency situations and everyday activities through the established channels of communication: Fax, E-mail, SSH and FTP connections (in the case of publishing information on web pages RSMCs).

RSMC Obninsk plans to make all calculations using the updated in 2016 software.

RSMC Obninsk is going to participate in the exercise ConvEx-3 (21-22 June 2017)

To improve the quality of communication with WMO, NMHSs in RA II.

References:

- WMO, 2011: Documentation on RSMC Support for Environmental Emergency Response.
WMO-TD/No.778. Available online at
<http://www.wmo.int/pages/prog/www/DPFSERA/td778.html>
- MEETING OF THE CBS EXPERT TEAM ON
EMERGENCY RESPONSE ACTIVITIES (ET-ERA)
Buenos Aires, Argentina, 30 November to 4 December 2015