



WMO VL Report

VL Member Activity Report

From: ROSHYDROMET

To: VL Members

Copy:

Reporting period: September 2008 – April 2009

Purpose:

Action proposed:

Appendices:

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Training courses given in reporting period: September 2008 - April 2009

	Date	Name of training event	Host	Location	Addressed topics	Number of participants	Lecturers
Classroom courses	20 October-01 November	Methods of short-term, medium-term and long-term weather forecasting. Forecaster workstation	Pashkova N.V.	ATI, Zheleznodorozhny, HydroMeteoCenter, Moscow	Guidance on aviation meteorological service, ICAO arranging/ methodical documents. Arrangement of AMC/AMCC activity. Technical facilities, requirements for supplying AMC/AMCC with technical facilities at airports. Workstation of KRAMS systems. Economic aspects of aviation meteorological service. Certification of airports. ICAO requirements for airports. Investigation of aviation incidents and preconditions to them	25	Gorlach I.A. Glazunov V.G. Vasilev A.A. Rasputikov A.S. Veselova G.K. and others specialists.
	17-29 November	Meteorological forecasting for aviation service	Pashkova N.V.	ATI, Zheleznodorozhny, HydroMeteoCenter, Moscow, the airport Sheremetevo	Studying of new methods of short-term and super short-term aviation weather forecasting. Forms of representation and terminology of aviation weather forecasts. Use of radar/satellite data when generating the aviation forecasts. The automated methods of processing of the aviation meteorological data, including the order, methods and systems of meteorological service of the international air navigation. Aviation climatology. Training at MAMC	30	Berestovsky I.F., Gorlach I.A. Glazunov V.G. Vasilev A.A. Rasputikov A.S. Veselova G.K., Shmelkin J.L., Govorov D.V. and others specialists.
	12-17 January	Exit employment on the cosmodrome of Baikonur and air station Salehard	Berestovsky I.F.			24+18	Berestovsky I.F., Rjabova L.M.
	26 January-07 February	Methods of hydrological forecasts. Provision of consumers with forecasting data. Generation of information resources of Roshydromet using the hydrologist-forecaster workstation	Pashkova N.V.	ATI, Zheleznodorozhny, HydroMeteoCenter, Moscow	The organization of service of hydrometeorological forecasts. Modern methods of hydrological forecasting. Efficiency of hydrological forecasts. Calculation and forecasting of level river regime, other characteristics of water regime. Marketing in hydrological service. Formation of information resources of Roshydromet using the hydrologist-forecaster workstation	5	Muhin V.M., Polunin A.I., Borch S.V., Romanov A.V. and others specialists.
	04-16 February	Methods of short-term, medium-term and long-term weather forecasting. Forecaster workstation	Pashkova N.V.	ATI, Zheleznodorozhny, HydroMeteoCenter, SRC "Planeta",	Learning of up-to-date technologies of super short-term, short-term, middle-term and long-term weather forecasting, including collection/processing of hydrometeorological	8	Gorlach I.A. Glazunov V.G. Vasilev A.A. Rasputikov A.S.

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			Moscow	data. Forecasts of nondangerous and dangerous hydrological events. Forms of representation of forecasts to users. Practice of work of NMHS on public weather service. Methods of real-time meteorological data use. Forecaster workstation of the GIS METEO system. Training at Hydrometeorological Center of Russia		Veselova G.K. and others specialists.
16-21 February	Processing and use of the satellite data at drawing up the hydro-meteorological forecasts	Berestovsky I.F.	ATI, Zheleznodorozhny, HydroMeteoCenter, SRC "Planeta", Moscow	Study of modern and perspective technologies of processing and use of satellite data in real-time work. Use of space data at hydrometeorological provision of economical activity. Modern and perspective technologies of processing and use of meteorological satellite data in weather forecasts.	4	Berestovsky I.F., Gorlach I.A., Veselova G.K., Ioffe G.M., Shmelkin J.L. and others specialists
16-21 March	Organization of aviation meteorological service	Pashkova N.V.	ATI, Zheleznodorozhny, HydroMeteoCenter, SRC "Planeta", Meteoagency, Moscow	Guidance on aviation meteorological service, ICAO arranging/ methodical documents. Arrangement of AMC/AMCC activity. Technical facilities, requirements for supplying AMC/AMCC with technical facilities at airports. Workstation of KRAMS systems. Economic aspects of aviation meteorological service. Certification of airports. ICAO requirements for airports. Investigation of aviation incidents and preconditions to them	14	Rasputikov A.S. Shmelkin J.L., Govorov D.V., Sidorova L.P., Nudelman K.A. and others specialists.
23 Mar – 04 April	Meteorological forecasting for aviation service	Pashkova N.V.	ATI, Zheleznodorozhny, HydroMeteoCenter, Moscow, he airport Sheremetevo	Studying of new methods of short-term and super short-term aviation weather forecasting. Forms of representation and terminology of aviation weather forecasts. Use of radar/satellite data when generating the aviation forecasts. The automated methods of processing of the aviation meteorological data, including the order, methods and systems of meteorological service of the international air navigation. Aviation climatology. Training at MAMC	14	Berestovsky I.F., Gorlach I.A., Glazunov V.G. Vasilev A.A. Rasputikov A.S. Veselova G.K., Shmelkin J.L., Govorov D.V. and others specialists
March	Exit employment: Aviation meteorology, large-scale and meso-scale features of synoptic processes and their influence on activity of aircraft	Berestovsky I.F.	Petropavlovsk_Kamchatsky		15	Berestovsky I.F. Rjabova L.M.

The note - in all listed rates the educational materials placed in VL were used.

The explanatory: the given educational materials were placed on a site VL (<http://meteovlab.meteorf.ru>) and are used by all interested persons.

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Distant learning courses	September 2008	Modelling of floodings	Prokacheva V.I., Usachev V.F.
	October 2008	Environment pollution	Prokacheva V.I., Usachev V.F.
	November 2008	Desertification	Nikolsky A.A.
	December 2008	Remote sounding of water steam in atmosphere by means of navigating satellite systems	Chukin V.V.
	January 2008	Monitoring of a condition of agricultural crops	Kleschenko A.D., Virchenko O.V., Nikolsky A.A.
	January 2008	Monitoring of a condition of wood ecosystems	Nikolsky A.A.
	February 2008	Decoding of space pictures	Tolmacheva N.I.
	February 2008	Mezostructural features of overcast	Tolmacheva N.I.
	February 2008	Overcast of pressure systems	Tolmacheva N.I.
	March 2008	Tests on desertification, wood ecosystems and to cloudy systems	Prokacheva V.I., Usachev V.F.
April 2008	Water objects of a land	Prokacheva V.I., Usachev V.F., Nikolsky A.A.	

The explanatory: the Given teaching materials have been placed on site VL and used by all interested persons. Materials of a site are already used for training students RSHU, the Perm and Kazan universities, etc. HIGH SCHOOLS. Also they are used for improvement of professional skill of experts of Federal Hydrometereology and Environmental Monitoring Service.

RFG events	11-25 Septembers 2008	Agrometeorologia for the Mongolian experts		ATI, Zheleznodorozhny,	9	Chichasov G.N., Himina E.G., Gringof I.G., Pasechnuk A.D., Romanenko L.I., Gridasov V.F., Homjakova T.V. Sirotenko O.D. and others specialists
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In the near future (2009r.) within the framework of development VL it is planned to carry out the following works:

1	The name of work	The author
1	Put sound lectures « the Center of the competence » and « Spectral ranges and their application »	E.V.Podgajsky
2	Translation and put sound lectures of Paul Menzel « 40 years of supervision from a geostationary orbit »	E.V.Podgajsky
3	Preparation, record and creation web-cast lectures « Bases of passive methods of remote sounding of system the Ground - atmosphere »	E.V.Podgajsky, A.D.Kuznetsov
4	Translation of lecture COMET « Acquaintance to polar system EUMETSAT »	E.V.Podgajsky
5	Translation of manual WMO TD-1078 « Application of meteorological satellites » and preparation of the electronic publication	N.V.Fedoseyev
6	Preparation, record and creation web-cast lectures of " the Basis of the theory of movement of the artificial satellite of the Earth ».	N.I.Tolmachyova
7	Preparation, record and creation web-cast lectures « the Basic kinds of the meteorological information received from meteorological satellites ».	N.I.Tolmachyova
8	Preparation, record and creation web-cast lectures « the Review of systems of space sounding of an atmosphere ».	N.I.Tolmachyova
9	Preparation, record and creation web-cast lectures « Disencipher overcast on space pictures ».	N.I.Tolmachyova
10	Preparation, record and creation web-cast lectures « the Estimation of conditions of weather under the space information ».	N.I.Tolmachyova
11	Preparation, record and creation web-cast lectures « the Snow cover »	A.A.Nikolsky
12	Put sound lectures « Dynamic characteristics of an atmosphere »	V.F.Nerushev
13	Put sound lectures « Modelling of floodings »	V.F.Usachyov, V.I.Prokachyova
14	Put sound lectures « Pollution of the natural environment »	V.F.Usachyov, V.I.Prokachyova
15	Put sound lectures « Dynamics of an ice cover »	J.D.Bychenkov

It is planned to organize also direct reception of the satellite data and their accommodation on a site in section "Archive".

At carrying out of employment under the Plan - prospectus on 2009 with which it is possible to familiarize on our site to the address <http://ipk.meteorf.ru> in section **Plan 2009 (Eng)**, it will be necessary to be used site VL in educational process.

I ask to inform us addresses of similar virtual satellite laboratories for studying experience.

Also we shall be grateful to you for advice, on what materials we should be paid attention and transferred them to Russian first of all.

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What do you feel is missing in your current VL training activities?

What kind of materials do you use for your courses (e.g. PowerPoint presentations, images of the month, case studies, etc.)? Please list below.

PowerPoint presentations, web-cast: Articulate

Who provides support in the production of your training materials? **The experts ROSGYDROMET**

What kind of tools do you use to make training material accessible to the teaching community (real time reception of satellite data, number of PCs, network, server, hard discs, Internet capability, etc.)? **PC, Internet capability**

What kind of course management tools do you use to conduct your courses / workshops / events?

What type of training and at what frequency do you provide for your training staff?

Please specify the limitations / restrictions which might influence the quality of training in your institute below:

Financial limitations: **Yes**

Shortage of human resources: **Yes**

Insufficient access to training materials and courses e.g. due to bad internet connection:

Other limitations:

Supplementary Information

CoE Administrative Information:

Head of CoE... **Chichasov Gregory N.**

Names of your satellite meteorology trainers...**Gusev Alexandr I.**

Training materials you have developed over the last reporting period: **Water objects of a land**

Please use the rest of this page for any other more general remarks you may wish to make relating to the delivery of training by your Centre.