

22 JUNE 2014

19:00-21.00

Registration

23 JUNE 2014

08.30-10.00

Registration

10.00-11.00

PLENARY MEETING

Big Conference Hall

Workshop opening

Official greetings:

- Semenov Pavel Vladimirovich, Deputy Minister of Agriculture of the Russian Federation
«About the Federal Target Program «Development of land reclamation of the agricultural land in Russia 2014-2020»
- Gao Zhanyi, President of the International Commission on Irrigation and Drainage
- Yakhniuk S.V., Vice-Governor of the Leningrad Region, Chairman of the Committee on Agriculture and Fishery of Leningrad Region

11.00-11.15

Coffee break

11.15-13.00

PLENARY MEETING

Big Conference Hall

- Prof. Dubenok Nikolay Nikolaevich, President of the National Commission on Irrigation and Drainage of the Russian Federation, Academician, Doctor of Agricultural Sciences.
«Land reclamation – one of the main components of the state food security»
- Prof. Kovalev Nikolay Georgievich, Head of Russian Research Institute of Agricultural use of reclaimed lands Academician, Doctor of Technical Sciences, Professor
«Innovative agricultural crop production technologies on drained lands of Russia»

- Dr. Abdul Hafied Abdullah Gany, Indonesian National Committee of ICID
«Problems and Prospects of agricultural drainage under the inland and tidal lowland conditions in Indonesia»
- Dr. Gurbachan Singh, Chairman of Indian Council of Agricultural Research
«Biodrainage for reclamation and mangement of water logged saline lands: Indian Experience»
- Prof. Tai Cheol Kim, Vise-president ICID Korea.
«About the 22nd ICID Congress in South Korea»

13.00-13.15

Press-conference

- **Gao Zhanyi**, President of the International Commission on Irrigation and Drainage
- **Semenov Pavel Vladimirovich**, Deputy Minister of Agriculture of the Russian Federation

13.00-14.00

Lunch

14.00-16.00

Session of the Work Team on drainage of the waterlogged lands ERWG of the International Commission on Irrigation and Drainage.

Drawing-room 7

Chairman: Goryachev S.N.

- Putyatin D.P. (Russia)
«Conservation and restoration of soil fertility of agricultural land and agrolandscapes as a national heritage of Russia for 2006 - 2010 and the period till 2013»
- Kovalev N.G. (Russia)
«Soil-conservation methods aimed at control of the water-air regime in the drainage area and at the adaptive intensification of agriculture»
- Kovalev I.V. (Russia)
«Dynamics of properties and regimes of the half-hydromorphic grey-forests' soils and their evolution under the influence from potter and plastic drainage pipes»
- Vachonin N.K. (Belarus)
«Development and enhancement of water regime improvement ways for waterlogged soils»

- Majaiskiy Ya.A. (Russia)
«Regimes of complex land reclamation for degraded and polluted soils recovery»

14.00-16.00

Round-table discussion on issues of reclamation development in the Northwest Federal District

Small Conference Hall

Chairman: Butusov D.V.

Discussion is held in Russian without interpretation

Excursion around Mansion of Duke Kochubey

16.00-18.30

Session of the Work Team ERWG of the International Commission on Irrigation and Drainage

Small Conference Hall

Chairman: Dr. Laszlo Hayde

16.00-18.30

Visit to Saint-Petersburg State Agrarian University

19.00-21.00

ICE-BREAKING PARTY

White Hall

24 JUNE 2014

07.40-16.00

TECHNICAL TOUR

- Stud farm "Prinevskoe"

Presentations:

- Automated mobile field agro-meteorological station for determination of crops' water-consumption
- Unmanned radio-controlled complex for condition monitoring of agricultural crops on the reclaimed fields
- St. Petersburg Flood Protection Barrier

Lunch

16.30-18.30

SESSIONS

Session 1

«Advanced equipment and technologies for drainage construction on waterlogged land» – NOSTROY RF

Class 16

Chairman: Kisyayev B.M.

• Kisyayev B.M. (Russia)

«Development of technologies on drainage construction in the reclaimed lands»

• Sukhoy N.A (Russia)

«Standards NOSTROY RF development on construction and reconstruction of the subsurface drainage»

• Vincent Bernard (France)

«A co-construction process of artificial wetlands for pesticides mitigation at the outfall a subsurface drained catchment»

• Dukhovny Victor (Uzbekistan)

«Role of Drainage in Water Management and Irrigated Agriculture of Central Asia»

• Revin Yuri (Russia)

«Assessing the accuracy of the drainage machine type ETC-2011»

• Demir Nadide (Turkey)

«Agricultural Drainage Practices For Environmental Sustainability in DSI Developed Irrigation Schemes»

• Sikkilä Markus (Finland)

«Functionality of prewrapped envelope materials in finnish subsurface drainage»

• Nasonov Sergey (Russia)

«Mathematical representation of the simulation process leveling the surface of a rice check earthmoving machine reclamation»

Vincent Bernard (France)

• «Substitution reservoirs for reuse of sub surface drainage water with irrigation: from taboo to integrated water management techniques»

• Yanko Y.G. (Russia)

«Technology and mechanization of the reclamation work in the Northwest District of Russia»

16.30-18.30

Session 2

«Socio-economic aspects of drainage construction on waterlogged land (legal acts and economic mechanisms)»

Small Conference Hall

Chairman: Kovalev N.G.

• Salo H., Warsta L., Turunen M., Paasonen-Kivekäs M., Nurminen J., Äijö H., Myllys M., Koivusalo H. (Finland)

«Modelling nitrogen processes in clayey, subdrained field sections in autumn»

• Virtanen S., Österholm P., Uusi-Kämppe J., Yli-Halla M. (Finland)

«Mitigation of environmental hazards from cultivated acid sulfate soil by controlled drainage and sub-irrigation in Finland»

• Mitrofanov Y.I. (Russia)

«Role of drainage in intensification of agriculture in the waterlogged soils of the Non-Black Soil Zone»

• Ksenzov A.A. (Russia)

«Principal results of the work on improvement of subsurface drainage systems operation»

• Gocmen Betul (Turkey)

«The organization of irrigation-drainage in Turkey»

• Vincent Bernard (France)

«Subsurface drainage legal framework: A mosaic of interpretations of the french water law and adaptation of farmers»

16.30-18.30

Session 3

«Drainage designs and analysis methods»

Big Conference Hall

Chairman: Yakushev V.P.

• Yakushev V.P. (Russia)

«Land reclamation development in Saint-Petersburg»

• Shtykov V.I. (Russia)

«Hydraulic calculation of the non-cavitory slope drains at a bidirectional inflow into the main drain»

• Wang Shaoli (China)

«Evaluation of the Suitability of Reusing Farmland Drainage Water for Irrigation»

• Suchanov P.A. (Russia)

«Peculiarities soil properties on Leningrad district as the base for

design and constriction land reclamation systems»

• Fedorov S.A. (Russia)

«Consideration of variability of filtration characteristics of soil at horizontal drainage analysis»

• Uzucek Nurgul (Turkey)

«Open main drainage channells design in Turkey»

• Umarov P., Boss B. (Uzbekistan)

«Water safe technology of combined artesian walls for drainage on irrigated lands»

• Deelstra Johannes (Norway)

«Subsurface drainage design and climate change in Norway»

16.30-18.30

Working Group on Drainage ICID

Drawing-room 7

Chairman: Vincent Bernard (France)

18.30-18.45

Coffee break

18.45-20.30

Session 5

«Integrated approach to drainage control issues and environmental protection»

Class 16

Chairman: Kireycheva L.V.

• Kireycheva L.V. (Russia)

Opening address

• Yildiz Gülağaci R., Celiker M. (Turkey)

«Drainage & salinization problems and recommendations on Sanliurfa Harran plain before and after irrigation»

• Turunen M., Warsta L., Paasonen-Kivekäs M., Nurminen J., Myllys M., Alakukku L., Äijö H., Puustinen M., Koivusalo H. (Finland)

«Three-dimensional simulations of water balances in subsurface drained clayey agricultural fields»

• Vickneswaran S. (India)

«Increasing the Land Productivity in Bentara Ganga Right Bank Drainage and Salt Water Extrusion Scheme»

• Nadide Demir (Turkey)

«Practice of agricultural drainage for sustainable environmental

development of the advanced irrigation projects»

• Tahmiscioğlu M.S. (Turkey)

«Environmental friendly drainage criteria: case studies in Turkey»

• Doosti A., Liaghat A.M., Sotoodehnia A., Daneshkar Arasteh P. (Iran)

«Simulation of dry drainage to determine the ratio of the width of non-cropped to cropped strip»

• Mahjoubi A., Naseri A., Hooshmand A. (Iran)

«Investigation the effects of controlled drainage on soil salinity, irrigation management and sugarcane yield (case study: Imam Khomeini project)»

• Warsta L., Turunen M., Paasonen-Kivekäs M., Koivusalo H. (Finland)

«The effects of soil freezing and soil swelling on hydraulic conductivity and drainflow in clayey soils»

18.45-20.30

Session 2

«Socio-economic aspects of drainage construction on waterlogged land (legal acts and economic mechanisms)»

Small Conference Hall

Chairman: Kovalev N.G.

• Kozlov D.V. (Russia)

«Prospects and directions of the development of the personnel training system for the peopleware in land reclamation in the Russian Federation»

• Isaeva S.D. (Russia)

«Drainage operation optimization on agricultural lands at mining enterprises liquidation»

• Samarathunga Aruna (Sri Lanka)

«Managing Water Table of Water Stagnant Wet Area in Rice Fields for Cultivation by Introducing Drainage System»

• Hasan Yuksel (Turkey)

«Recent floods effect experienced on water resource in Turkey»

• Gocmen Betul (Turkey)

«The effects of irrigation association on the drainage works and practice approach»

18.45-20.30

Session 3

«Drainage designs and analysis methods»

Big Conference Hall

Chairman: Maksimenko V.P.

- Dobrachev Ya.P. (Russia)
«Calculation methods of drainage outflow volume on irrigated and drained areas»
- Pylenok P.I. (Russia)
«Innovative improvement of the reclamation projects in the sub-humid zone of Russia»
- Reinders Felix (South Africa)
«Efficient drainage for improvement soil health and productivity»
- Umarov Pulanhon (Uzbekistan)
«Resource-saving technology on drainage in the irrigated lands using self-effused wells of the combined drainage»
- Tuohy Patrick (Ireland)
«The effect of mole drainage on the hydrology of a clay-loam soil»
- Myllys Merja (Finland)
«Effect of subsurface drainage and subsoiling on soil structure and crop yield»
- Ratnarapa K. (Indonesia)
«Water available analysis in Merauke lowland swamp irrigation Papua province Indonesia»
- Maksimenko V.P. (Russia)
«Reclamation projects improvement in the regions with natural excess humidity»

25 JUNE 2014

09.00-11.00

**Round-table FSBSE All-Russian research institute «Raduga»:
«Power-pumping equipment of the reclamation projects.
Condition, issues, prospects»**

Big Conference Hall

Chairman: Olgarenko G.V.

- Olgarenko G.V (Russia)
«Technical support of the repair-operational works at the reclamation projects»

- Gorodnichev V. I. (Russia)
«Monitoring of the technical level of the reclamation projects»
- Savushkin S.S. (Russia)
«Estimation of status and requirement of the pumping stations for the irrigation projects in the framework of Federal Goal-oriented Program «Agricultural lands' reclamation development in Russia in 2014-2020»»

09.00-11.00

Session 5

«Integrated approach to drainage control issues and environmental protection»

Big Conference Hall

Chairman: Kireycheva L.V.

- Olgarenko G.V.
Opening address (Russia)
- Subekti E., Prabowo B., Wibowo A.R. (Indonesia)
«Lowland management evolution in Indonesia: from hydraulic conquest to integrated approach»
- Rahayu, Rahendra E., Subandi S., Sumardji, Irham A.M., Nizam Lembah M.K (Indonesia)
«Catchmen area management for sustainable irrigation Paselloreng dam in connection with the global climate change»
- Yang P.L., Ren S.M., Zhao X.Y. (China)
«Study on Eco-environmental Water Demand of Wuliangshuai Lake in Hetao Irrigation District»
- Setiawan A., Utomo H., Pawerunsi F., Rahendra E., Subandi S., Kuswidyawan A. (Indonesia)
«Securing water in the Karalloe multipurpose reservoir for food and rural development»
- Dani A.A.U., Subandi S., Rahendra E., Subandrio P., Hargono B., Ageng P.S.W. (Indonesia)
«Jeneberang catchment area management for sustainable Bili Bili multipurpose dam for irrigation development»
- Islam M.S., Osman M.S., Alam M.N., Mia M.S. (Bangladesh)
«Use of constructed wetlands for wastewater treatment and recycling in context of Bangladesh – a review»
- Subandi S., Syahmusir S., Pawerunsi F., Rahendra E. (Indonesia)
«Saddang river integrated management for food and rural community development and environmental protection»
- Sumardji, Rahendra E., Subandi S., Parno, Nizam Lembah M.K.

(Indonesia)

«Saddang multipurpose dam will be constructed based on the global climate change to irrigation development»

11.00-11.15

Coffee break

11.15-13.00

Session 5

«Integrated approach to drainage control issues and environmental protection»

Big Conference Hall

Chairman: Kireycheva L.V.

• Glazunova I.V. (Russia)

«Influence of the probable climatic changes on the development of the drainage in the European part of the Russian Federation»

• Uskov I.B., Nikolaev M.V., Uskov A.O. (Russia)

«Rearrangement of the areas of risk farming according to the excess damping factor under climate fluctuation»

• Irham A.M., Subandi S., Rahendra E., Sumardji, Parno, Nizam Lembah M.K. (Indonesia)

«Securing water for food and rural Saddang irrigation development under global climate change»

• Subandrio P., Subekti E., Ahmad A.S., Subandi S., Parno, Rahendra E., Nizam Lembah M.K. (Indonesia)

«Securing water of Citarum river basin for food and irrigation development under global climate change»

• Paasonen-Kivekäs M., Nurminen J., Myllys M., Turunen M., Warsta L., Korpelainen E., Salo H., Koivusalo H., Aijö H., Alakukku L., Puustinen M. (Finland)

«Field monitoring of nutrient transport under differently tile drained clayey soil: results from Nummela experimental site in south-western Finland»

• Maddi H.C., Pauerunsi F., Dani A.U., Rahendra E., Subandi S., Nizam Lembah M.K., Ageng P.S.W. (Indonesia)

«Sharing water from Bili Bili and Jenelata reservoir for irrigation and water drinking development»

• Nousiainen R., Warsta L., Turunen M., Koivusalo H., Pesonen L. (Finland)

«Modelling water balance of subdrained field sections with a nested area approach»

- Dobrachev U.P. (Russia)
«Application of the non-uniformly scaled models of moisture exchange in the watershed phytocenosis for estimation of the biogenic matter removal with the drainage flow»
- Rosendahl R., Lall K.-E., Engblom S., Ste'N P., Österholm P. (Finland)
«Subsurface Drainage System for Chemical Precision Treatment of Acid Sulfate Soils»
- Kireycheva L.V. (Russia)
Closing speech

11.15-13.00

Session 6-7

«Economic use of drained land. History of drainage system»

Small Conference Hall

Chairman: Bondarik I.G.

- Bondarik I.G. (Russia)
«History of reclamation development in Russia in the 19th-21st centuries»
- Ivanov D. (Russia)
«Water table level monitoring within agri-landscape of Russia»
- Jeyakumar Lordwin (India)
«Yield, irrigation production efficiency and economic return of Tomato under variable irrigation and methods»
- Kalinichenko R. (Russia)
«The efficiency of spring wheat variety Ester cultivation in the reclaimed areas in the Leningrad region»
- Yekti Mawiti (Indonesia)
«Irrigation-drainage of Subak Irrigation Schemes: A Farmer's Perspective within A Thousand Years»
- Kajanathan Pushpawath (Sri Lanka)
«Improvements to drainage facilities for increasing the productivity of Allai Scheme in Trincomalee District, Sri Lanka»
- Ivanova T. (Russia)
«Influence of drainage of the long-term operation on the water-air regime of the bottom peat soils in the European North of the Russian Federation»

13.00-14.00

Lunch

14.00-15.00

PLENARY MEETING

Big Conference Hall

- Workshop closing.
- Declaration adoption of the 12th International Drainage Workshop.
- Presentation of the IRNCID The 13th Drainage Workshop.

15:00-15:15

Press-conference

- **Tyagi Avinash**, Secretary General of the International Commission on Irrigation and Drainage
- **Putyatin D.P.**, Director of the Department of Land Reclamation Ministry of Agriculture of the Russian Federation

19.00-22.00

FAREWELL DINNER

Pushkin Cultural Center

26 JUNE 2014

8:00-21:30

NOVGOROD TECHNICAL TOUR

11.00-11.40

Demonstration of the reclamation facilities of Novgorod region

12.30-12.40

Meeting with Boytsov Alexander Sergeevich, the Deputy Governor of the Novgorod region

12.40-12.55

Press-conference

- **Boytsov A.S.**, the Deputy Governor of the Novgorod region
- **Putyatin D.P.**, Director of the Department of Land Reclamation Ministry of Agriculture of the Russian Federation

12.55-13.15

Manevich Evgeniy Vasilievich – report on the condition of reclamation of the Novgorod region

14.00-15.00

Lunch

15.00-17.30

Novgorod sightseeing tour