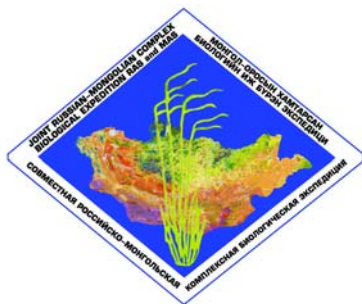


## THE PROGRAM OF INTERNATIONAL CONFERENCE

# ECOLOGICAL CONSEQUENCES OF BIOSPHERE PROCESSES IN THE ECOTONE ZONE OF SOUTHERN SIBERIA AND CENTRAL ASIA

DEDICATED TO THE 40<sup>TH</sup> ANNIVERSARY  
OF THE JOINT RUSSIAN-MONGOLIAN  
COMPLEX BIOLOGICAL EXPEDITION  
OF RAS & MAS

6 – 8 September, 2010  
Ulaanbaatar, Mongolia

## CO-CHAIRMEN

**Duger REGDEL, Academician of Mongolian Academy of Sciences**  
**Dmitry S. PAVLOV, Academician of Russian Academy of Sciences**

## SCIENTIFIC COMMITTEE

- Chultem DUGARJAV, Acad. of MAS (Deputy chairman, Mongolia)
- Yury Yu. DGEBUADZE, Corr. member of RAS (Deputy chairman, Russia),

Dr. Biol. Sc. Ya. Adiya (Mongolia), Acad. of MAS D. Baatar (Mongolia), Corr. member of RAS Yu.V. Gamalei (Russia), Dr. Ch. Sc. T. Gan-Erdene (Mongolia), Acad. of MAS D. Dorzhgotov (Mongolia), Acad. of MAS A. Dulmaa (Mongolia), Acad. of MAS Ts. Zhanchiv (Mongolia), Corr. member of RAS R.V. Kamelin (Russia), Acad. of RAS N.S. Kasimov (Russia), Dr. V.M. Neronov (Russia), Dr. Geogr. Sc. G.N. Ogureeva (Russia), Dr. L. Orlovskaya (Israel), Dr. Geogr. Sc. N. Orlovsky (Israel), Dr. Biol. Sc. L.L. Ubugunov (Russia), Acad. of MAS N. Ulzijhutag (Mongolia), Dr. Biol. Sc. Sh. Tsooj (Mongolia), Dr. Biol. Sc. V.T. Yarmishko (Russia)

## ORGANIZING COMMITTEE

- Dr. L. Dawagiv (Deputy chairman) (Mongolia),
- Dr. Biol. Sc. P.D. Gunin (Deputy chairman) (Russia),
- Dr. Agr. Sc. Z. Tsogtbaatar (Deputy chairman) (Mongolia),
- Dr. Biol. Sc. N.I. Dorofeyuk (Deputy chairperson) (Russia),
- Dr. Biol. Sc. Ch. Dorjsuren (Deputy chairman) (Mongolia)

Dr. Chem. Sc. B. Avid (Mongolia), Dr. S.N. Bazha (Russia), Dr. Agr. Sc. A. Bakei (Mongolia), Mr. N. Batsuuri (Mongolia), Dr. Sh. Boldbaatar (Mongolia), Dr. Med. Sc. B. Burmaa (Mongolia), Dr. L. Jargalsaikhan (Mongolia), Dr. N.M. Kalibernova (Russia), Dr. Geogr. Sc. N.E. Kosheleva (Russia), Dr. Biol. Sc. A.V. Krylov (Russia), Dr. A.A. Lushchekina (Russia), Mr. S.S. Markianov (Russia), Dr. I.M. Miklyaeva (Russia), Dr. Biol. Sc. B.B. Namzalov (Russia), Dr. A.V. Prishchepa (Russia), Dr. J. Punsalpaamuu (Mongolia), Dr. M. Saandar (Mongolia), Dr. R. Samiya (Mongolia), Dr. Biol. Sc. A.V. Surov (Russia), Dr. Tech. Sc. U. Sukhbaatar (Mongolia), Dr. I. Tuvshintogtokh (Mongolia), Dr. Biol. Sc. V.I. Ubugunova (Russia), Dr. S. Enkh-Amgalan (Mongolia), Dr. B. Tsetseg (Mongolia)

## SCIENTIFIC SECRETARIES

- ✓ Dr. B. Dash (Mongolia) – Phone: +976-11-321-750; Fax: +976-11-321-862;  
E-mail: [dash@ecology.mas.ac.mn](mailto:dash@ecology.mas.ac.mn)
- ✓ Dr. E.V. Danzhalova (Russia) – Phone: +7-499-124-33-13; Fax: +7-499-124-79-34;  
E-mail: [monexp@mail.ru](mailto:monexp@mail.ru)
- ✓ Dr. Yu.I. Drobyshev (Russia) – Phone: +7-499-124-33-13; Fax: +7-499-124-79-34;  
E-mail: [monexp@mail.ru](mailto:monexp@mail.ru)
- ✓ Dr. Hist. Sc. S.-Kh. D. Syrtyanova (Russia) – Phone/Fax: +7-499-124-79-34;  
E-mail: [monexp@mail.ru](mailto:monexp@mail.ru)
- ✓ Dr. J. Enkhamgalan (Mongolia) – Phone: +976-11-453-088;  
E-mail: [secretary-biology-mas@yahoo.com](mailto:secretary-biology-mas@yahoo.com);
- ✓ Dr. O. Enkhtuya (Mongolia) – Phone: +976-11-451-014, Fax: +976-11-451-837;  
E-mail: [tuyabot@yahoo.com](mailto:tuyabot@yahoo.com); [ibot@mongol.net](mailto:ibot@mongol.net)

## 6 SEPTEMBER (Monday)

### CHINGGIS KHAAN HOTEL, CONFERENCE HALL

9<sup>00</sup>–10<sup>00</sup> – REGISTRATION OF THE PARTICIPANTS

10<sup>00</sup>–11<sup>00</sup> – CONFERENCE OPENING – Acad. B. ENKHTUVSHIN, The President of MAS

INTRODUCTORY SPEECHES OF CO-CHAIRMEN OF THE ORGANIZING COMMITTEE:

D. REGDEL, Acad. of MAS, Vice-president of MAS,

D.S. PAVLOV, Acad. of RAS, the Member of Presidium of RAS

GREETINGS TO THE PARTICIPANTS:

G. BAYARSAIKHAN, the Member of Commitee for Food, Agriculture and Nature of the State Great Hural (Parliament) of Mongolia

S.S. MARKIANOV, Chief of the Department for External relations, RAS

Ch. JARGALSAIKHAN, Deputy Minister of Nature, Environment and Tourism of Mongolia

Ch. KULANDA, Deputy Minister of Culture, Science and Education of Mongolia

G. BERNARDI, President of the International Union of Biological Sciences

R. YAKUMAR, Coordinator of the East-Asian Network of Biosphere Reserves, Beijing UNESCO office

### PLENARY SESSION

Chairs: Acad. of MAS D. Regdel, Acad. of RAS D.S. Pavlov

Chair deputies: Acad. of MAS Ch. Dugarjav, Corr. member of RAS Yu.Yu. Dgebuadze

11<sup>00</sup>–11<sup>20</sup> — *Regdel D., Dugarjav Ch.* Ecological demands to social-economic development of Mongolia

11<sup>20</sup>–11<sup>40</sup> — *Banzragch Ts., Boldbaatar Ch., Enkhbat A.* National strategy for conservation and management of biological resources of Mongolia and its implementation

11<sup>40</sup>–12<sup>00</sup> — *Pavlov D.S., Kamelin R.V., Gunin P.D., Ulziikhutag N., Shagdarsuren O., Dugarjav Ch., Dgebuadze Yu.Yu., Dorofeyuk N.I.* Stages of development, basic results and prospects of the Joint Russian-Mongolian Complex Biological Expedition of RAS & MAS

12<sup>00</sup> – 12<sup>30</sup> – coffee break

12<sup>30</sup>–12<sup>50</sup> — *Gombohuudev P., Natsagdorj L., Sarantuya G.* Climate change and its consequences on the territory of Mongolia

12<sup>50</sup>–13<sup>10</sup> — *Dgebuadze Yu.Yu., Dulmaa A., Dorofeyuk N.I., Krylov A.V., Slynko Yu.V.* Current state of water ecosystems of Mongolia

13<sup>10</sup>–13<sup>30</sup> — *Kasimov N.* Ecogeochemistry of cities and urban landscapes

13<sup>30</sup> – 15<sup>30</sup> – lunch

15<sup>00</sup>–15<sup>20</sup> — *Janchiv Ts., Dulmaa A., Adiya Ya., Dulamtseren S., Boldbaatar Sh.* Research on the fauna and conservation of biodiversity in Mongolia

15<sup>20</sup>–15<sup>40</sup> — *Dariimaa Sh., Kamelin R.V., Ulziikhutag N., Ganbold E.* The flora of Mongolia: results of floristical researches during the last years

15<sup>40</sup>–16<sup>00</sup> — *Bazha S.N., Gunin P.D., Danzhalova E.V., Kazantseva T.I., Bayasgalan D., Drobyshev Yu.I.* Contemporary processes of degradation of pastoral steppe ecosystems in Mongolia

16<sup>00</sup>–16<sup>20</sup> — *Neronov V.M., Lushchekina A.A.* International and bilateral strictly protected natural areas: world experience and perspectives of their development

16<sup>20</sup> – 16<sup>40</sup> – coffee break

16<sup>40</sup>–18<sup>00</sup> — Discussion

## 7 SEPTEMBER (Tuesday)

### CONFERENCE HALL OF THE INSTITUTE OF CHEMISTRY, MAS (2ND FLOOR)

#### Session I. ECOLOGICAL AND SOCIAL PROBLEMS OF THE ENVIRONMENTAL POLLUTION

Chairs: Acad. of MAS D. Dorjgotov, Acad. of RAS N.S. Kasimov

Scientific secretaries: Dr. Geogr. Sc. N.E. Kosheleva, Dr. S. Enkh-Amgalan

- 9<sup>00</sup>–9<sup>15</sup> — *Kosheleva N.E., Kasimov N.S., Dorjgotov D., Gunin P.D., Sorokina O.I., Bazha S.N., Enkh-Amgalan S., Batkhishig O.* Heavy metals in snow cover, soils, and vegetation of Ulan-Bator
- 9<sup>15</sup>–9<sup>30</sup> — *Slynko Yu.V., Javzan Ch., Tsogtbaatar J., Komov V.T.* Hydrochemical regime, structure of fish population and content of mercury in fish from rivers of the Selenga River basin on the territory of Mongolia
- 9<sup>30</sup>–9<sup>45</sup> — *Shirapova S.D., Tsyrendorzhieva T.B.* Aspects of the decision of geoenvironmental problems of the gold mining in Mongolia
- 9<sup>45</sup>–10<sup>00</sup> — *Enkh-Amgalan S., Ganbold B., Tsogbadrakh B., Enkhbileg S., Ganshur, Munkhdelger.* Determining environmental hazard elements in the population settlement zone (example of Denjiin Myanga, Chingeltei district, Ulaanbaatar city)
- 10<sup>00</sup>–10<sup>15</sup> — *Janchivdorj L., Oyun-Erdene B., Gerelt-Od D.* Surface waters pollution in the Selenga River basin (Mongolia)
- 10<sup>15</sup>–10<sup>30</sup> — *Mikhailova T.* Assessment of forests decline under air pollution in the lake Baikal catchment area
- 10<sup>30</sup>–10<sup>45</sup> — *Baatar R., Togoo R., Omboo Z., Naran-Undrakh B.* The chemistry of yellow dust sources in the Gobi region of Mongolia

10<sup>45</sup> – 11<sup>00</sup> – coffee break

11<sup>00</sup>–13<sup>30</sup> — Discussion and preparing proposals for the Conference's resolution

13<sup>30</sup> – 15<sup>00</sup> – lunch

### CONFERENCE HALL OF THE INSTITUTE OF CHEMISTRY, MAS (2ND FLOOR)

#### Session II. ECOLOGICAL PROBLEMS OF AQUATIC AND WETLAND ECOSYSTEMS IN THE BAIKAL LAKE BASIN

Chairs: Corr. member of RAS Yu.Yu. Dgebuadze, Acad. of MAS A. Dulmaa

Scientific secretaries: Dr. B. Mendsaikhan, Dr. Biol. Sc. N.I. Dorofeyuk

- 15<sup>00</sup>–15<sup>15</sup> — *Sirin A., Minayeva T., Gunin P., Dugarjav Ch., Bazha S., Bayasgalan D., Dorofeyuk N., Sulerzhitsky L., Uspenskaya O.* Between humid and arid environment: peatland ecosystems indicate desertification trends in Mongolia
- 15<sup>15</sup>–15<sup>30</sup> — *Krylov A.V., Dulmaa A., Gantsooj B.* The zooplankton of water bodies of the Western Mongolia
- 15<sup>30</sup>–15<sup>45</sup> — *Slynko Yu.V., Dulmaa A., Erdenebat M., Mendsaikhan B., Karabanov D.P., Dgebuadze Yu.Yu.* Fishes of Mongolia: fauna, zoogeography, current state of populations, conservation
- 15<sup>45</sup>–16<sup>00</sup> — *Karabanov D.P., Slynko Yu.V.* Genetico-biochemical features of the Altay osman (genus *Oreoleuciscus*) in various reservoirs of Mongolia
- 16<sup>00</sup>–16<sup>15</sup> — *Slynko Yu.* Formation, evolution, and modern state of endemics of the Central Asia — the Altay osman (genus *Oreoleuciscus*)

16<sup>15</sup>–16<sup>30</sup> – *Batueva M.D., Erdenebat M.* Comparative analyses of parasite faunas of *Oreoleuciscus humilis* from Ust Lake (Selenga River basin), Tesiin River (Western Khangai), Tuin River (Lakes Valley)

16<sup>45</sup> – 17<sup>00</sup> – coffee break

**17<sup>00</sup> – 19<sup>00</sup> — Poster session. Discussion and preparing proposals for the Conference's resolution**

*Bazarsadueva S., Popov D., Boldanova N., Radnaeva L.* Metals in organs and tissues of bream *Abramis brama* L.

*Dorofeyuk N.I., Kulikovskiy M.S.* The Algae Flora of the Selenga River basin (Mongolian part)

*Dulmaa A., Mendsaikhan B., Goulden C.E., Enkhbold B.* Age-size structure and diet of Hövsgöl grayling — *Thymallus arcticus nigrescens*

*Javzan Ch., Erdenebat M.* Influence of water pollution on the fish distribution in the Tuul river

*Kasyanov A.N., Slynko Yu.V.* Population–morphological analysis of Siberian dace (*Leuciscus leuciscus baicalensis* L.) and Amur ide (*Leuciscus waleckii* Dybowski) from Mongolian waterbodies

*Pronin N.M., Bazarova B.B., Matafonov D.V., Dugarov J.N.* Long–term changes in biota of the Schuchie lake (Selenga river basin) in connection with the water level fluctuations and invasion of exotic species

*Tereshchenko L.I., Tereshchenko V.G., Mendsaikhan B., Slynko Yu.V., Karabanov D.P.* Analysis of the Altai osmans spatial distribution in lakes of the Western and Southern Mongolia according to hydroacoustic data

## CONFERENCE HALL OF THE INSTITUTE OF PHYSICS AND TECHNOLOGY, MAS (2ND FLOOR)

### Session III. CAUSES AND EFFECTS OF CENTURIES-OLD DYNAMICS OF CLIMATIC CONDITIONS

Chairs: Dr. Geogr. Sc. A.N. Zolotokrilin, Dr. J. Tsogtbaatar

Scientific secretaries: Dr. D. Dash, Dr. L.A. Ivanov

9<sup>00</sup>–9<sup>15</sup> — *Dorofeyuk N.I.* Paleogeographical conditions of landscapes development in Inner Asia in the Late Pleistocene and in the Holocene

9<sup>15</sup>–9<sup>30</sup> — *Bezrukova E.V., Letunova P.P., Abzaeva A.A., Kulagina N.V., Prokopenko A.A.* Landscape dynamics in Southern Siberia and Northern Mongolia since the Late Glacial

9<sup>30</sup>–9<sup>45</sup> — *Zolotokrylin A.N., Gunin P.D., Vinogradova V.V., Bazha S.N., Titkova T.B., Danzhalova E.V.* Aridization increasing in the Central Mongolian steppes as a result of pascual digression

9<sup>45</sup>–10<sup>00</sup> — *Davydova N.D.* Evolution of xerophyte steppes of the South-Eastern Transbaikalia under global warming

10<sup>00</sup>–10<sup>15</sup> — *Anenkhnov O.A.* Climatically induced changes in plant communities: fluctuations and successions

10<sup>15</sup>–10<sup>30</sup> — *Kurbatskaya S.S.* Variability and stability of steppe ecosystems of transboundary territory of the Ubsunursky hollow under the influence of climatic and anthropogenous factors

10<sup>30</sup> – 10<sup>45</sup> – coffee break

10<sup>45</sup>–11<sup>00</sup> — *Orlovsky L., Indoitu R., Orlovsky N.* Dust storms in Central Asia

11<sup>00</sup>–11<sup>15</sup> — *Gamalei Yu.V., Scheremet'ev S.N., Tsooj Sh., Shiirevdamba Ts.* Mongolian herbs: origin and directions of structural and functional specialization

11<sup>15</sup>–11<sup>30</sup> — *Ivanov L.A., Ivanova L.A., Ronzhina D.A.* Zonal changes of structural-functional parameters in plant leaves of Mongolia



- 11<sup>30</sup>–11<sup>45</sup> — *Slemnev N.N., Sheremetiev S.N., Tsooj Sh., Altantsooj A., Munkhzul Ts., Stepanova A.V., Chebotareva K.E., Samjid M., Gamalei Yu.V.* Complementarity of functional and growth processes in Mongolian plants
- 11<sup>45</sup>–12<sup>00</sup> — *Dulamsuren Ch., Hauck M., Leuschner Ch.* Global warming causes growth reductions in *Larix sibirica* in the Western Khentey, Northern Mongolia
- 12<sup>00</sup>–12<sup>15</sup> — *Jargalsaikhan L.* Regression model of phytomass dynamics of some steppe communities of Eastern Mongolia
- 12<sup>15</sup>–12<sup>30</sup> — *Badmaeva N.K., Tkachuk T.E., Sandanov D.V.* Halophytic ecosystems in the arid zone of Transbaikalia becoming dryer: evidences from c-4 plants invasion
- 12<sup>30</sup>–12<sup>45</sup> — *Glebova A.B.* The Ukok plateau landscapes and their historical past
- 12<sup>45</sup>–13<sup>00</sup> — *Tuvshintogtokh I., Enkhmaa D., Battseren Ts., Mungunchimeg Ch.* Evaluation of the plant cover of the Eastern aimag

**13<sup>00</sup> – 13<sup>30</sup> — Poster session. Discussion and preparing proposals for the Conference's resolution**

*Andreev S.G.* Dendroclimatic research in the ecotone zone of forest and steppe of the Selenga river transboundary basin

*Baatarbileg N.* Dendrochronological studies in Mongolia

*Badmaev N.B.* About spatial organization of soil cover of frost Transbaikalian forest–steppe in the South of the Vitim tableland

*Kurbatova Yu., Varlagin A.* Role of monitoring observations of heat, water and CO<sub>2</sub> fluxes in complex ecological researches

*Tedesche M.E.* Snow depth variability in sagebrush drifts in the high altitude rangeland of North Park, Colorado, USA

*Khudyakov O.I., Reshotkin O.V., Bedrina T.N.* Forest plant properties of the soils of forest tundra on the European territory of Russia and forest steppes of the Inner Asia in connection with the global climate warming

13<sup>30</sup> – 15<sup>00</sup> — lunch

**CONFERENCE HALL OF THE INSTITUTE OF PHYSICS AND TECHNOLOGY, MAS (2ND FLOOR)**

**Session IV. THE PRESENT STATE OF NATURAL PROTECTED AREAS NETWORK AND PROSPECTS OF ITS DEVELOPMENT**

Chairs: Dr. Biol. Sc. Ya. Adiya, Dr. V.M. Neronov

Scientific secretaries: Dr. A.A. Luschekina, Dr. B. Oyungerel

- 15<sup>00</sup>–15<sup>15</sup> — *Namkhai A., Adiya Ya.* Strictly protected natural areas of Mongolia: current state and perspectives of development
- 15<sup>15</sup>–15<sup>30</sup> — *Onon Yo., Chimed Ochir B., Sanjmyatav D., Chimeddorj B., Batsaikhan N., Batbold D., Hertzman T.* Gap analysis in biodiversity conservation and optimization of PAs system
- 15<sup>30</sup>–15<sup>45</sup> — *Urtnasan N.* Sacred sites and their role in conservation of cultural and biological diversity in Mongolia
- 15<sup>45</sup>–16<sup>00</sup> — *Drobyshev Yu.I., Syrtyova S.-Kh.D.* Medieval nature reserves of Central Asia
- 16<sup>00</sup>–16<sup>15</sup> — *Oyungerel B., Munkhdulam O.* Current status of management of SPA in Mongolia (at example of Khubsugul national park)
- 16<sup>15</sup>–16<sup>30</sup> — *Sevastianov D.V.* Optimization of recreational management in the Baikal Lake basin and on adjacent territories of Russia and Mongolia
- 16<sup>30</sup>–16<sup>45</sup> — *Kalikhman T.P., Oyungerel B.* The geo-ecological structure and evolution trends of natural protected areas in the Baikal Lake basin
- 16<sup>45</sup>–17<sup>00</sup> — *Munkhbayar Kh., Terbish Kh., Munkhbaatar M.* Conservation needs for amphibians and reptiles in protected areas of Mongolia

- 17<sup>00</sup>–17<sup>15</sup> — *Kirilyuk O.K.* To the concept of development of cross-border network of specially nature protected areas in Daursky ecoregion
- 17<sup>30</sup>–17<sup>45</sup> — *Kanzai V.I., Shishikin A.S.* Experience of cooperation between transboundary reserves of Ubsunur depression
- 17<sup>45</sup>–18<sup>00</sup> — *Neronov V.M., Lushchekina A.A.* Biosphere reserves and their contribution to ensuring the sustainable development

18<sup>00</sup> – 18<sup>15</sup> – coffee break

**18<sup>15</sup>–19<sup>00</sup> — Poster session. Discussion and preparing proposals for the Conference's resolution**

- Bobrov V.* Biodiversity of amphibians and reptiles in Mongolia and development of protected areas network
- Budaeva S.B.* The influence of recreation on ecosystems of Lake Baikal shore
- Kalikhman T.P., Erdenetsetseg D.* The method of one-aspect atlas cartography in estimation of SPA efficiency
- Lazarevskaya S.V.* Prospects of development of projected Chikoisky National Park as a center of the international tourism in frontier territories of Transbaikalia
- Malkov E.E.* Problems of biodiversity change in the Sokhondinsky biosphere reserve under conditions of arid processes
- Milkheev E.Yu., Naidarova D.L., Chimitdorjieva G.D.* Current state of the soil cover on the territory of «Alhanai» National Park
- Morozova T.I.* Forest pathological studies within the projecting international specially protected natural territory “Amur river sources”
- Namzhilova L.G.* The role of international transboundary strictly protected natural areas in conservation of biological and landscape diversity in Transbaikalia

**CONFERENCE HALL OF THE INSTITUTE OF BOTANY, MAS (4TH FLOOR, ROOM 410)**

**Session V. ECOLOGICAL RISKS IN ANTHROPOGENIC (AGRICULTURAL AND FORESTRY) ECOSYSTEMS**

Chairs: Dr. Biol. Sc. P.D. Gunin, Acad. of MAS Ch. Dugarjav

Scientific secretaries: Dr. S.N. Bazha, Dr. O. Enkhtuya

- 9<sup>00</sup>–9<sup>15</sup> — *Yarmishko V.T., Dugarjav Ch., Slemnev N.N., Dorjsuren Ch., Potokin A.Ph., Tsogt Z., Yarmishko M.A., Zoyo D.* Reforestation and succession in larch forests of Mongolia
- 9<sup>15</sup>–9<sup>30</sup> — *Ubugunov L.L., Kulikov A.I., Ubugunova V.I., Ubugunov V.L., Rupyshev Yu.A., Hobrakova L.T., Lavrentieva I.N., Danilov S.N., Tsydypov B.Z., Nikhileeva T.P., Korsunova Ts.-D.Ts., Baldanov B.T., Tsyrempilov E.G.* Monitoring of station-destructive processes in ecosystems of Baikal region
- 9<sup>30</sup>–9<sup>45</sup> — *Krasnoshchekov Yu.N., Evdokimenko M.D., Cherednikova Yu.C.* Anthropogenic digression of forest ecosystems in central ecological zone of the Baikal natural area
- 9<sup>45</sup>–10<sup>00</sup> — *Afanasyeva L.V.* Forests condition of the Selenga river basin under anthropogenic factors
- 10<sup>00</sup>–10<sup>15</sup> — *Danilin I.M., Dorjsuren Ch., Tsogt Z.* Restoring larch forests on burned and logged areas in Mongolia
- 10<sup>15</sup>–10<sup>30</sup> — *Danzhalova E.V., Bazha S.N., Gunin P.D., Drobyshhev Yu.I., Kontsov S.V., Khadbaatar S.* Anthropogenic successions on pastures and agricultural lands in the central part of the Selenga basin
- 10<sup>30</sup>–10<sup>45</sup> — *Novikova N.M., Vyshivkin A.A., Shadrina M.B., Buhareva O.A.* Impact of different grazing pressure on the plant cover of a solonetz complex

10<sup>45</sup> – 11<sup>00</sup> – coffee break

- 11<sup>00</sup>–11<sup>15</sup> — *Baskhaeva T.G., Namzalov B.B.* Protection and rational management of vegetation of the alpine forest-steppe vegetation in the Northern Prebaikalia
- 11<sup>45</sup>–12<sup>00</sup> — *Golovanov D.L., Gunin P.D., Ariunbold E., Bazha S.N., Batkhishig O., Bayasgalan D., Danzhalova E.V., Drobyshch Yu.I., Kontsov S.V., Petukhov I.A., Sorokina O.I., Khadbaatar S., Tserenkhand G., Enkh-Amgalan S.* Modern dynamics of the soil-plant cover in ecosystems of Erdenedalai sum (Dundgov aimak)
- 12<sup>00</sup>–12<sup>15</sup> — *Savvinov G.N.* Ecological aspects of development of natural resources of Yakutia
- 12<sup>15</sup>–12<sup>30</sup> — *Sekulich I.R.* The anthropogenic transformation of structure of coenopopulations of *Betula fruticosa* on the south of cryolithozone (Northern Transbaikalia)
- 12<sup>30</sup>–12<sup>45</sup> — *Wesche K.* Unexpected effects of water and nutrient addition on dry steppes in Southern Mongolia
- 12<sup>45</sup>–13<sup>30</sup> — Poster session. Discussion and preparing proposals for the Conference's resolution**
- Aybergenov B.A., Sultanov R.A.* Studying of the *Gypsonoma euphraticana* Ams. in tugai forest cenozes on South maritime of Aral Sea
- Baasandorj Ja., Badrakh S., Delgertsetseg R.* Ecological condition of agricultural lands and its change
- Batkhishig O.* Soil properties change of Mongolian steppe region
- Varaksin G.S., Lobanov A.I., Varaksina S.G., Shangova O.G.* Assessment of the state of Siberian elm forest belts under dry steppe regime of Khakassia
- Varaksin G.S., Varaksina S.G., Shangova O.G.* Growth of pine protective stands under steppe Tyva regime
- Voloshin A.L.* The peculiarities of development of modern processes of the land desertification on the transboundary territory of the Selenga river basin
- Gunin P.D., Kontsov S.V., Bazha S.N., Danzhalova E.V.* Features of winter and summer allocation of soil moisture in dark-chestnut soils in the Central Mongolia under different regimes of use
- Danzhalova E.V., Gunin P.D., Bazha S.N., Drobyshch Yu.I., Kazantseva T.I., Prischepa A.V., Bayasgalan D., Vorobyov K.A.* Regional features of climatic and anthropogenic influence on pastoral ecosystems of dry steppes of Mongolia
- Dashzeveg Ts., Udval B., Amartuvshin S., Munkhbat G.* The results of research on raising coniferous seedlings of *Picea obovata* and *Pinus sibirica* in the Western Khentii district of the Southern fore-Baikal province (according to Mongolian forest-vegetation regions)
- Dorjsuren Ch.* The plant succession on cutovers of larch forests in Mongolia
- Dorjsuren Ch., Zoyo D., Undraa M.* Succession processes in the larch stand defoliated by the Gypsy moth (*Ocneria dispar* L.) in Eastern Khentii of Mongolia
- Dulamsuren Ch.* Tree establishment and survival on steppe slopes of the Northern Mongolian mountain taiga
- Evseeva N.S., Kvasnikova Z.N.* Ecological aspects of soils deflation development in agrolandscapes in the South-East of the Western-Siberian plain
- Enikeev A.G., Tupitzin I.I., Pijyanov S.V., Semenova L.A.* Risks of the Mongolian flora biodiversity reduction resulted from probable extension of GM-cultures on neighboring territories
- Kazantseva T.I., Gunin P.D.* The monitoring and estimation of modern condition of arid zone natural grasslands in Mongolia
- Kalibernova N.M.* The ecosystems dynamics of the floodland and valley of the low stream of the Orkhon River (Northern Mongolia) for 25 years (1983–2008)
- Lobanov A.I., Savin E.N., Tsogt Z., Batnasan M.* Experience of steppe afforestation on pasturelands of arid zone of Siberia
- Nachinshonhor G.U., Jargalsaikhan L.* Sustainability of grassland ecosystems and nomadic pastoralism in Mongolia
- Narantuya N., Khosbayar Ch., Davaasuren D.* Vegetation succession in two meadow communities under influence of grazing in forest-steppe zone of Mongolia



- Omarov K.Z., Jargalsaikhan L., Dmitriev I.A.* Small mammals as indicators of the steppe ecosystems condition of Eastern Mongolia
- Pomazkova N.V.* Complex assessment of anthropogenic loads on the border areas of the Transbaikalian region
- Prigozhin L.* Formation of aeolian sand ripples
- Savvinov D.D.* The environmental condition of agricultural drylands permafrost
- Trofimov I.A., Shamsutdinov Z.Sh., Orlovsky N.S., Trofimova L.S., Yakovleva E.P., Shamsutdinova E.Z.* Land desertification in Russia
- Tushigmaa J., Batnasan M.* Dynamics of the phytocenosis of taiga pine forest under influence of clear cutting in Western Khentii
- Ubugunova V.I., Andreeva M.N.* Variety, morphogenetic features, and forestplant properties of soils under pine woods of the Western Transbaikalia
- Ubugunova V.I., Khutakova S.V., Makushkin E.O., Pavlova I.N.* Hydromorphic soils of inundated ecosystems of Selenga
- Tsendsuren D., Selivanov A.A.* Larch forests condition of the green zone of Ulaanbaatar
- Shishikin A.S.* Grazing as a factor of forest formation
- Yakutin M.V., Andrievskiy V.S.* Influence of a grazing level on the status of the main components of zoo-microbial complex in dry steppes in Southern Tuva
- Yakutin M.V., Lhagvasuren Ch.* Influence of a grazing level on the status of a destruction link of the biological turnover in the semidesert zone of Western Mongolia

13<sup>30</sup> – 15<sup>00</sup> – lunch

## **Session VI. FLORISTIC, FAUNISTIC AND BIOGEOCENOTIC DIVERSITY IN THE ECOTONE ZONE OF SOUTHERN SIBERIA AND CENTRAL ASIA**

### **CONFERENCE HALL OF THE INSTITUTE OF BOTANY, MAS (4TH FLOOR, ROOM 410)**

#### **Subsection VIa. Fauna-biogeocenotic diversity**

Chairs: Acad. of MAS Ts. Janchiv, Dr. Biol. Sc. A.V. Surov

Scientific secretaries: Dr. J. Enkhamgalan, Dr. N.A. Schepina

- 15<sup>00</sup>–15<sup>15</sup> — *Lebedev V.S., Bannikova A.A., Surov A.V.* Mammal species of Mongolia: news for the last 30 years
- 15<sup>15</sup>–15<sup>30</sup> — *Bukreev S.A., Boldbaatar Sh., Zvonov B.M., Poyarkov N.D., Dementiev M.N.* The current changes in the ornitofauna of Mongolia
- 15<sup>30</sup>–15<sup>45</sup> — *Schepina N.A.* Batrachofauna of the Selenga river basin
- 15<sup>45</sup>–16<sup>00</sup> — *Boldbaatar Sh., Zvonov B.M., Bukreev S.A.* Current state of the Mongolian avifauna and its habitat change
- 16<sup>00</sup>–16<sup>15</sup> — *Sheftel B.I., Samiya R., Aleksandrov D.Yu., Tserendavaa R., Tamir M., Mühlenberg M.* Population dynamics of small mammals at Western Khentey during ten years
- 16<sup>15</sup>–16<sup>30</sup> — *Sukhchuluun G., Abaturov B.D.* Daily nutritional and energy indices of Brandt's vole (*Lasiopodomys brandti*)
- 16<sup>30</sup>–16<sup>45</sup> — *Dmitriev I.A., Rozenfeld S.B.* Influence of pasture condition on the seasonal biotope distribution and dynamics of number of *Procapra gutturosa* in Eastern Mongolia
- 16<sup>45</sup>–17<sup>00</sup> — *Kisloshchaeva T., Rudneva L.* On the ecology of the Daurian pika (*Ochotona daurica* Pall.) in the Southwest Transbaikalia
- 17<sup>00</sup>–17<sup>15</sup> — *Ushakova M.V., Surov A.V., Adiya Ja.* Field studies of Roborovski dwarf hamster in Ubsu-nuur basin
- 17<sup>15</sup>–17<sup>30</sup> — *Shodotova A.A.* Species diversity of Pyralid moths (*Lepidoptera, Pyraloidea*) of the Southern Buryatia (Russia)

17<sup>30</sup>–17<sup>45</sup> – coffee break

- 17<sup>45</sup>–19<sup>00</sup> — **Poster session. Discussion and preparing proposals for the Conference's resolution**

- Baldanova D.R., Schepina N.A., Dugarov Zh.N.* Parasite fauna of amphibians of Transbaikalia and its dependence on ecological conditions
- Bayarlkhagva D., Bayarmaa G., Munkhjargal B., Purevdulam Sh., Hang Lee.* Study of sequence of mitochondrial DNA cytochrome *b* gene of red squirrel (*Sciurus vulgaris*) from Mongolia
- Butenko K.O., Punsalpaamuu G., Oyunmaa A.* Plant and soil nematodes in Mongolia
- Veprintseva O.D., Bukreev S.A., Zvonov B.M.* On preparation of a guide of Mongolian birds by their voices
- Vinogradov V.V.* Changes in composition and structure of the small mammals population in the Yenisey part of the transitional territory between South Siberia and Central Asia
- Dmitriev P.P.* The nature of plague in Brandt's vole (*Lasiopodomys brandti* Radde) populations
- Dmitriev P.P., Khramtsov V.N., Khudyakov O.I.* The approaches to plant and soil classification based on the zoogenic complexity of Mongolian steppe ecosystems
- Zagorinskiy A.V., Gorbunov O.G., Puntsagdulam Ju.* A new contribution to the fauna of Hawk moths (Lepidoptera, Sphingidae) of Mongolia
- Klementiev A.M., Malyshev Yu.S.* Reconstruction of the Pleistocene landscapes in the North of arid area (the Uda river basin, Western Transbaikalia)
- Kolesnikov V., Brandler O., Kapustina S., Adiya Ya.* To capacity for application of satellite imageries for calculation of marmots in Mongolia
- Kuznetsov D.N., Danzan G., Batchimeg M., Khrustalev A.V.* The study of species composition of gastrointestinal nematodes in domestic and wild Mongolian ruminants
- Sidorov A.V., Gorbunov O.G., Puntsagdulam Ju.* Fauna and zoogeography of the Lappet moth (Lepidoptera, Lasiocampidae) of Mongolia
- Khenzykhenova F.I.* Biodiversity of the small mammal fauna in the South of East Siberia during middle Pleistocene – Holocene
- Khobrakova L.Ts., Lavrentjeva I.N., Danilov S.N.* Features of the soil animal population of steppes of the Western Transbaikalia (Buryatiya, Russia)
- Khlyap L.A., Varshavsky An.A., Varshavsky Al.A., Petrosyan V.G., Omel'chenko A.V.* Mammal diversity in Transbaikalia and some aspects of its dynamics as a result of anthropogenic impact
- Tsagantsooj N., Batchudur B.* Investigation of forest insects nearby Sharyngol soum of Darkhan-Uul aimag

## CONFERENCE HALL OF THE INSTITUTE OF BIOTECHNOLOGY, MAS

### Subsection VIb. Flora-Phytocoenotic Diversity

Chairs: Acad. of MAS N. Ulziikhutag, Dr. Geogr. Sc. G.N. Ogureeva

Scientific secretaries: Dr. Biol. Sc. E. Ganbold, Dr. I.M. Miklyaeva

- 9<sup>00</sup>–9<sup>15</sup> — *Ogureeva G.N., Mikljaeva I.M.* The spatial organization of the Eastern Mongolian steppes and problems of their restoration
- 9<sup>15</sup>–9<sup>30</sup> — *Ubugunov L.L.* Diversity of Inner Asia soils and ecological risks of ecosystem degradation
- 9<sup>30</sup>–9<sup>45</sup> — *Namzalov B.B., Mongush A.M.* The structure of the forest-steppe expositions “uburu”-zone in Tannu-Ola mountains (South Tuva)
- 9<sup>45</sup>–10<sup>00</sup> — *Sizykh A., Voronin V., Oskolkov V.* Spatial-temporal changeability of the plant communities of the zonal and between zonal ecotones of the Baikal region
- 10<sup>00</sup>–10<sup>15</sup> — *Neronov V.M.* Biocoenotic complexes of zonal ecotones in Inner Asia, their integrity and uniqueness
- 10<sup>15</sup>–10<sup>30</sup> — *Samoilova G.S.* The structure features of landscape regional complexes of the transboundary territories in the Southern Siberia mountains
- 10<sup>30</sup>–10<sup>45</sup> — *Anenkhonov O.A., Pykhalova T.D.* Results of Zabaikalskyi national park flora inventory

10<sup>45</sup>–11<sup>00</sup> — *Bocharnikov M., Dudov S.* Cenotic diversity and spatial differentiation of dry steppes of the Tumentzogt station (Eastern Mongolia)

11<sup>00</sup>–11<sup>15</sup> – coffee break

11<sup>15</sup>–11<sup>30</sup> — *Kuular Kh.B., Khertek S.B.* Estimation of cedar forests of the Republic Tyva

11<sup>30</sup>–11<sup>45</sup> — *Mandakh B.* The dynamics of coenopopulations of the dominant communities in Eastern Mongolian steppes

11<sup>45</sup>–12<sup>00</sup> — *Mironova S.I., Gavrilieva L.D.* Eco-floristic analysis of the alas vegetation in the Central Yakutia under anthropogenic impact

12<sup>00</sup>–12<sup>15</sup> — *Olonova M.V., Beket U.* Toward the identification of the important plant areas in Mongolian Altai

12<sup>15</sup>–12<sup>30</sup> — *Oskorbina M.V., Suvorova G.G., Miroslavov E.A.* Seasonal fluctuations of chloroplasts structure as related to environmental changes and photosynthetic dynamics of conifers

12<sup>30</sup>–12<sup>45</sup> — *Ochirbat G., Ligaa U.* Tasks and perspectives for botany economy in Mongolia

12<sup>45</sup>–13<sup>00</sup> — *Popova E.V., Suvorova G.G.* Oxygen productive function of conifers in Irkutsk region

13<sup>00</sup>–15<sup>00</sup> – lunch

15<sup>00</sup>–15<sup>15</sup> — *Safronova I.N.* On the phytocenotic diversity of steppes of the Onon-Baldzhy range (between the Kyra River and the Baldzh-Gol River)

15<sup>15</sup>–15<sup>30</sup> — *Stepanova A.V., Altantsooj A., Rudskii I.V., Samjid M., Slemnev N.N., Chebotareva K.E., Tserenhand G., Tsooj Sh., Gamalei Y.V.* The growth rings occurrence in the main root of Mongolian herbaceous perennials and semi-shrubs

15<sup>30</sup>–15<sup>45</sup> — *Suvorova G.G.* Database of conifer's photosynthesis in Baikal Siberia

15<sup>45</sup>–16<sup>00</sup> — *Sutkin A.V.* To the question of coenoflora composition of shrub communities in the Turka River basin (Eastern Prebaikalia)

16<sup>00</sup>–16<sup>15</sup> — *Kharpukhaeva T.M.* Growing of lichens and mosses on desertified lands in the Barguzin valley

16<sup>15</sup>–16<sup>30</sup> – coffee break

**16<sup>30</sup>–18<sup>00</sup> — Poster session. Discussion and preparing proposals for the Conference's resolution**

*Amartuvshin N.* Effects of precipitation, air temperature and drought on calyx lobe number of *Peganum nigellastrum* Bge (Peganaceae Van Tieghem)

*Badamtsetseg B.* The review systematic of the Mint family (*Lamiaceae* Lindl.) in Mongolia

*Bobrovskaya N. I.* The water consumption of steppe and desert of Mongolia

*Budaeva S.E.* Modern condition of lichens of the nature-protected territory of the state natural biosphere reserve «Barguzinski»

*Volkova E.A., Karamysheva Z.V., Rachkovskaya E.I.* Input of Russian scientists in research of the plant cover of Central Asia

*Dariimaa Sh., Saruul N.* Rare plant species of Mongolia and problems of their protection

*Enkhtuya L.* Results of *Allium altaicum* Pall. introduction in the Botanical garden of Ulaanbaatar

*Zamsran Ts., Khorolsuren Sh.* Citoembriological studies of seed plants of Mongolia

*Maximovich S.V.* Steppe biogeocoenoses of North-Eastern Asia from tundra zone to Mongolian mountains: the indivisible row

*Munkhbat G., Tsendsuren D.* Peculiarities of structure in poplar forest

*Naidanov B.B., Anenkhonov O.A., Badmaeva N.K.* Contribution to syntaxonomy of the halophytic vegetation in Western Transbaikalia, Eastern Siberia

*Norovsuren J., Zenova G.M., Kurapova A.I., Alimova F.K., Bolormaa Ch., Khaliunaa U., Yanjinlkham Sh.* Ecological features of *Streptomyces* genera in the soils of Mongolia

*Nyambayar D.* Updates to the family Cyperaceae Juss. in the flora of Mongolia

*Ochgerel N., Javzan S.* The cultivation and introduction of Peony species in Mongolia

*Oyungerel Sh.* Stability and shifts of CAM pathway of *Orostachys spinosa* L.  
*Rudikovskiy A.V., Kuznetsova E.V., Peretolchina T.E., Shcherbakov D.J.* Effect of the contact zone of forest and steppes on morphological and genetic polymorphism of Siberian crab-apple  
*Savich V.I., Egorov D.N., Norovsuren J.* Color gamma of Mongolian soils  
*Saruul N.* Species composition of tribe *Triticeae* Dum in Mongolia  
*Tsengel B., Tegshjargal B.* Study of Mongolian poplar planting (*Populus suaveolens* Fisch) in open area  
*Udval B., Odgerel O.* Experience of organization of plots for seeds selection in pine forests of Western Khentei  
*Kharpukhaeva T.M.* Species of genus *Usnea* Dill. ex Adanson (Family Parmeliaceae, Lichenes) in Buryatia and Mongolia  
*Tserenbaljid G.* Influence of anthropophyllous plants on the environment and human in Mongolia  
*Chantsalnyam D.* Botanical garden of the Institute of botany MAS  
*Chimitov D.G., Imetkhenova O.V.* New records of *Asplenium altajense* (Kom.) Grub. in the Selenginskoe midland (the Western Transbaikalia)  
*Shvetsova N.E., Sutkin A.V., Ostrogradsky P.G., Saraeva L.I.* Plant communities inhabited by the Pliocene relict plant *Menispermum dauricum* DC.: diversity, habitat features and species abundance

## 8 SEPTEMBER (Wednesday)

### CHINGGIS KHAAN HOTEL, CONFERENCE HALL

#### PLENARY SESSION

Chairs: Acad. of MAS D. Regdel, Acad. of RAS D.S. Pavlov

Chairs deputies: Acad. of MAS Ch. Dugarjav, Corr. member of RAS Yu.Yu. Dgebuadze, Dr. L. Dawagiv, Mr. S.S. Markianov, Dr. Biol. Sc. P.D. Gunin, Dr. Agr. Sc. J. Tsogtbaatar, Dr. Biol. Sc. N.I. Dorofeyuk, Dr. Biol. Sc. Ch. Dorjsuren

10<sup>00</sup>–12<sup>00</sup> — Results and proposals of the sessions:

Session I. Ecological and social problems of the environmental pollution

Chairs: Acad. of MAS D. Dorzhgotov, Acad. of RAS N.S. Kasimov

Session II. Ecological problems of aquatic and wetland ecosystems in the Baikal Lake basin

Chairs: Corr. member of RAS Yu.Yu. Dgebuadze, Acad. of MAS A. Dulmaa

Session III. Causes and effects of centuries-old dynamics of climatic conditions

Chairs: Dr. Geogr. Sc. A.N. Zolotokrilin, Dr. J. Tsogtbaatar

Session IV. The present state of natural protected areas network and prospects of its development

Chairs: Dr. Biol. Sc. Ya. Adiya, Dr. V.M. Neronov

Session V. Ecological risks in anthropogenic (agricultural and forestry) ecosystems

Chairs: Dr. Biol. Sc. P.D. Gunin, Acad. of MAS Ch. Dugarjav

Session VI. Floristic, faunistic and biogeocenotic diversity in the ecotone zone of Southern Siberia and Central Asia

Subsection VIa. Fauna-biogeocenotic diversity

Chairs: Acad. of MAS Ts. Janchiv, Dr. Biol. Sc. A.V. Surov

Subsection VIb. Flora-phytocoenotic diversity

Chairs: Acad. of MAS N. Ulziikhutag, Dr. Geogr. Sc. G.N. Ogureeva

12<sup>00</sup>–13<sup>00</sup> — Discussion and adoption of the Conference's resolution

13<sup>00</sup>–14<sup>00</sup> — Closing the Conference



## LOCATION OF HOTELS AND SESSION'S VENUES

