

Institute of Biology, Komi Science Centre, Ural Division,  
Russian Academy of Sciences

Ministry of Natural Resources and Environmental Protection  
of the Komi Republic

Republican Operation Centre of Protected Areas and Nature Management

Finnish Ministry of the Environment

Finnish Environment Institute (SYKE)

BPAN project – Barents Protected Area Network



## **International workshop**

# **CONSERVATION STATUS ASSESSMENT OF ENDANGERED SPECIES IN THE BARENTS REGION BASED ON THE IUCN RED LIST CRITERIA**

**dedicated to the 50th anniversary of the IUCN Red List**

**September 29 – October 4, 2014  
Syktyvkar, Komi Republic, Russia**

## **SCIENTIFIC PROGRAMME**

Syktyvkar 2014

## SCIENTIFIC COMMITTEE

Hyvärinen Esko, Finnish Ministry of the Environment, Helsinki (**chair**)

Várkonyi Gergely, Friendship Park Research Centre, Finnish Environment Institute SYKE, Kuhmo (coordinator)

Lindholm Tapio, Finnish-Russian Nature Conservation Committee and Finnish Environment Institute SYKE, Helsinki

Jakovlev Jevgeni, Finnish-Russian Nature Conservation Committee and Finnish Environment Institute SYKE, Helsinki

Lisin Yury, Ministry of Natural Resources and Environmental Protection of the Komi Republic, Syktyvkar

Degteva Svetlana, IB Komi SC UrD RAS, Syktyvkar

Aksenov Dmitry, NGO ‘Transparent world’, Moscow

Kochanov Sergei, IB Komi SC UrD RAS, Syktyvkar

Ermakov Alexander, Republican Operation Center of Protected Areas and Nature Management, Syktyvkar

## ORGANISING COMMITTEE

Pystina Tatiana, IB Komi SC UrD RAS, Syktyvkar (**chair**)

Kuhmonen Anna, Finnish Environment Institute SYKE, Helsinki

Várkonyi Gergely, Friendship Park Research Centre, Finnish Environment Institute SYKE, Kuhmo

Dubrovsky Yury, IB Komi SC UrD RAS, Syktyvkar

Kosolapov Denis, IB Komi SC UrD RAS, Syktyvkar

Kuzmina Elena, IB Komi SC UrD RAS, Syktyvkar

Panova Vera, IB Komi SC UrD RAS, Syktyvkar

Patova Elena, IB Komi SC UrD RAS, Syktyvkar

Poletaeva Irina, IB Komi SC UrD RAS, Syktyvkar

Romanova Irina, IB Komi SC UrD RAS, Syktyvkar

Semenova Natalya, IB Komi SC UrD RAS, Syktyvkar

Sterlyagova Irina, IB Komi SC UrD RAS, Syktyvkar

Tatarinov Andrei, IB Komi SC UrD RAS, Syktyvkar

Tyupenko Tatiana, Republican Operation Centre of Protected Areas and Nature Management, Syktyvkar

## WORKSHOP SCHEDULE

### September 29 (Monday)

Arrival of workshop participants, registration, accommodation  
Excursion to the A.A. Chernov Museum of Geology (Institute of Geology) and/or the Museum of Archeology (Institute of Language, Literature and History)

### September 30 (Tuesday)

8:00–9:00 Registration  
9:00–9:50 Workshop opening  
9:50–12:30 Plenary session  
12:30–13:30 Lunch  
13:30–17:40 Plenary session

### October 1 (Wednesday)

9:00–13:00 Practical usage of the IUCN criteria for Red-List assessment (lectures)  
13:00–14:00 Lunch  
14:00–17:00 Training in species conservation assessment

### October 2 (Thursday)

9:00–13.00 Regular session  
12:40–13:40 Lunch  
13:40–17:30 Regular session  
19:00– Conference dinner (restaurant ‘Spasskii’)

### October 3 (Friday)

9:00–12:30 Round-table discussion ‘Prospects and main work aspects on preparing regional Red Books in the Barents region’  
12:30–13:30 Lunch  
13:30–17:00 Round-table discussion on the BPAN project results  
17:00–18:00 Resolution and closing the workshop

### October 4 (Saturday)

8:30–18:00 Field excursion around the city of Syktyvkar

### October 5 (Sunday)

Departure of workshop participants

## PROGRAMME

Institute of Biology, Komi Science Centre, Ural Division,  
Russian Academy of Sciences  
Syktyvkar, September 29 – October 4, 2014

### Monday, September 29

Arrival at Syktyvkar. Registration (9:00–18:00). Excursions to the Museum of Geology (Institute of Geology) (14:00–15:00, **Pervomaiskaya st. 54**) and/or the Museum of Archeology (Institute of Language, Literature, and History) (15:30–16:30, **Kommunisticheskaya st. 26**). Excursions begin in the lobby of the Institute of Biology (13:40, **Kommunisticheskaya st. 28**).

### Tuesday, September 30

- 8:00–9:00** Registration of workshop participants  
**9:00–9:40** Opening of the workshop, welcoming words
- Ministry of Natural Resources and Environmental Protection of the Komi Republic (Minister *Yu.V. Lisin*)
  - Directorate of the Federal Service for Nature Management Supervision (*Rosprirodnadzor*) for the Komi Republic (Director *A.N. Popov*)
  - State Council of the Komi Republic (Vice-Chairperson of the State Council Committee on Natural Resources, Nature Management and Ecology *A.V. Bushueva*)
  - Institute of Biology Komi SC UrD RAS (Deputy Director *I.F. Chadin*)
  - Barents Region Council, Nature Protection Group (Chairperson *T.I. Tyupenko*)
  - Finnish Ministry of Environment (Senior Environment Adviser *E. Hyvarinen*)
  - Finnish-Russian Nature Conservation Group (Chairpersons *T. Lindholm* and *A. Saano*)
- 9:40–9:50** Practical information (*Tatiana Pystina*)

## PLENARY SESSION: International experience

Chair – *Gergely Várkonyi*

**9:50–10:35** The importance of regional Red Lists for conservation: from assessments to action (*Monika Böhm, London, UK*)

**10:35–11:10** The 2010 Red Book of Finland: organisation of the assessment and general results (*Esko Hyvarinen, Helsinki, Finland*)

**11:10–11:30** *Coffee break*

**11:30–12:00** The 2010 Red Book of Finland: the assessment process in practice (*Ilpo Mannerkoski, Helsinki, Finland*)

**12:00–12:30** Use of Red Data List in species conservation: practical examples (*Tuula Kurikka, Savonlinna, Finland*)

**12:30–13:30** *Lunch*

**13:30–14:45** Assessment of various organism groups in the 2010 Red Data Book of Finland: Problems and solutions (*Ilpo Mannerkoski, Helsinki, Finland; Rikka Juutinen, Rovaniemi, Finland; Gergely Várkonyi, Kuhmo, Finland*)

**14:45–15:00** *Coffee break*

## PLENARY SESSION: Russian experience

Chair – *Tatiana Pystina*

**15:00–15:20** Usage of the IUCN criteria for development of the Red Books of the Russian North-West: identification of criteria, their usage for different groups of organisms, step-by-step organisation description of red-listed species (*Jevgeni Jakovlev, Helsinki, Finland*)

**15:20–15:40** Towards a new version of the Russian Red Book for animals: concept, assessing methods, work organisation (*Dmitry Semenov, M.Yu. Dubinin, V.Yu. Ilyashenko, S.B. Rozenfeld, Moscow*)

**15:40–16:00** Methodological approaches on management of regional Red Books – law and scientific aspects (*Anna Belousova, M.L. Milutina, Moscow*)

- 16:00–16:20** Preparation and management experience of the Red Book of the Komi Republic (*S.V. Degteva, Tatiana Pystina, Syktyvkar*)
- 16:20–16:40** Achievements and problems of the Red Book of the Republic of Karelia (*A.V. Kravchenko, Anatoly Maksimov, M.A. Fadeeva, Petrozavodsk*)
- 16:40–17:00** The Red Book of the Khanty-Mansiysk Autonomous District-Yugra and its role in biodiversity conservation (*Tatiana Merkushina, Khanty-Mansiysk*)
- 17:00–17:20** Plants, lichens, and mushrooms (fungi) in the second edition of the Red Book of the Murmansk Region: approaches and results (*Jevgeni Borovichev, O.A. Belkina, D.A. Davydov, N.A. Konstantinova, L.G. Isaeva, M.N. Kozhin, V.A. Kostina, L.A. Konoreva, A.V. Melekhin, G.P. Urbanavichus, Apatity, Murmansk Region*)

**17:20–17:40** Discussion

## **Wednesday, October 1**

### The IUCN Red-List assessment in practice

**Chair – Esko Hyvarinen**

- 9:00–11:00** The IUCN criteria and categories used in species conservation assessment, as well as important updates after version 3.1 of the guidelines (*Esko Hyvarinen, Helsinki, Finland; Monika Böhm, London, UK*)

**11:00–11:15** *Coffee break*

- 11:15–13:00** Guided Assessment Training 1: Applying the IUCN criteria for species data from the Komi Republic. The training is based on the IUCN Guidelines Manual. Discussion of problems. (*Ilpo Mannerkoski, Helsinki, Finland*)

**13:00–14:00** *Lunch*

- 14:00–17:00** Guided Assessment Training 2: Simultaneous work in groups on data sets provided by the Russian participants with the help of international experts (*Esko Hyvarinen, Monika Böhm, Ilpo Mannerkoski, Riikka Juutinen, Gergely Várkonyi*) (with *Coffee break 15:30–15:45*)

## Thursday, October 2

### Regional Red Data Books of the European North of Russia: experience and perspectives

Chair – *Natalya Polikarpova*

- 9:00–9:15** Red Books as a possible law instrument for right identification and conservation of internationally-important nature areas (*Nikolai Sobolev, Moscow*)
- 9:15–9:30** Regional Red Books as a foundation for development of the Barents Region Red Book (*Natalya Polikarpova, O.A. Makarova, Rayakoski, Murmansk Region*)
- 9:30–9:45** Application of the IUCN criteria for assessment of populations (*Viktor Mamontov, Arkhangelsk*)
- 9:45–10:00** Survey distribution mapping of protected mammals in the regional biomes of Russia (*Ludmila Emelyanova, Moscow*)
- 10:00–10:15** Amphibians and reptiles in the regional Data Books of Russia: methodological analysis and nature protection importance (*Dmitry Semenov, V.V. Bobrov, Moscow*)
- 10:15–10:30** Look-back protection status analysis of birds in the Red Book of the Komi Republic (*Sergei Kochanov, Syktyvkar*)
- 10:30–10:45** Wild reindeer (*Rangifer tarandus* L., 1758) in the Komi Republic: Current population status and protection problems (*Andrei Korolev, Syktyvkar*)
- 10:45–11:00** Population status of rare birds in the Nenets Autonomous District (*Vladimir Anufriev, Arkhangelsk*)
- 11:00–11:20** *Coffee break*
- 11:20–11:35** Protected mammalian species in the first and second Red Book editions of the Arkhangelsk Region (*Ludmila Emelyanova, Moscow*)
- 11:35–11:50** Species diversity and ecology of lake molluscs from protected nature areas of the Arkhangelsk Region (*Svetlana Sokolova, Arkhangelsk*)

- 11:50–12:05** First assessment experience of extinction risk for butterflies (Lepidoptera) on the terrain of the Komi Republic by the IUCN criteria (*Andrei Tatarinov, O.I. Kulakova, Syktyvkar*)
- 12:05–12:25** Dipterans (Diptera) in the regional Red Books of the Russian Federation (*Sergei Pestov, Syktyvkar*). Additions and comments: *Alexei Polevoi, Petrozavodsk*
- 12:25–12:40** Rare species of Coleoptera in the Red Books of the Komi Republic and the Nenets Autonomous District (*Modest Dolgin, A.A. Kolesnikova, Syktyvkar*)

**12:40–13:40 Lunch**

**Chair – Svetlana Degteva**

- 13:40–13:55** Principles of including of rare plant species in the second edition of the Red Data Book of the Arkhangelsk region (*Elena Churakova, Arkhangelsk; L.V. Puchnina, Pinega, Arkhangelsk Region*)
- 13:55–14:10** Current status, problems and study prospects of protected plants in the Komi Republic (*Ludmila Teteryuk, Syktyvkar*)
- 14:10–14:25** Protected species of orchids of the Komi Republic (*Irina Kirillova, Syktyvkar*)
- 14:25–14:40** Distribution analysis of *Rhodiola rosea* L. in the Pechora Ural region (*Irina Poletaeva, Syktyvkar*)
- 14:40–14:55** Rarity status assessment of marsh plants in the Vologda Region (*Dmitry Filippov, Borok, Yaroslavl Region*)
- 14:55–15:10** Sociological importance of Lycopodiophyta plants from the Vologda Region (*Andrei Chkhobadze, Vologda*)
- 15:10–15:25** Monitoring of specially protected species in the Perm region (*Mikhail Baklanov, Perm*)

**15:25–15:40 Coffee break**

- 15:40–15:55** Protected and rare plants in the Pechora-Ilych State Reserve (*Vladimir Kanev, Syktyvkar*)



- 15:55–16:10** Liverworts in the new edition of the Red Book of the Murmansk Region (*Jevgeni Borovichev, N.A. Konstantinova, Yu.S. Mamontov, Apatity, Murmansk Region*)
- 16:10–16:25** Occurrence and phytocenotic attribution of rare soil cover lichens in ecosystems of the Polar Urals and near-Pechora tundra areas (*Sergei Plyusnin, Syktyvkar*)
- 16:25–16:40** Online database of the rare lichen *Lobaria pulmonaria* findings in Russia (*Natalia Ivanova, Pushchino, Moscow Region*)
- 16:40–16:55** Towards preparing and management of the Soil Red Book of the Komi Republic (*Elena Lapteva, Syktyvkar*)
- 16:55–17:10** Educational role of the Red Book (*Tatiana Vityazeva, Syktyvkar*)
- 17:10–17:30** Discussion
- 19:00** *Conference dinner* (restaurant ‘Spasskii’, Sovetskaya st. 22)

## Friday, October 3

**9:00–12:30**

### Round-table discussion: Development and prospects of the regional Red Books of the Barents Region

**Chair – Aimo Saano**

- Development possibilities of a database on rare species of the Barents Region (with introductory presentation ‘The development possibility of a unified spatial database of red-listed species’ by *Dmitry Aksenov, Moscow*)
- Establishment of expert groups in the North-West of Russia
- Red-listed species or protected species: what is the purpose of Red Data Books?
- Organization of assessments in the Russian regions
- Financing possibilities of Red Books
- Schedule of future assessments

(with *Coffee break* 11:00–11:15)

**12:30–13:30 Lunch**

## **Round-table discussion on the BPAN project results: How information on red-listed species support development of protected area network?**

**Chair – *Tapio Lindholm***

Barents Protected Area Network (BPAN) covers northernmost parts of Finland, Russia, Sweden and Norway. Latest study provides wide analysis on unified information and common language to discuss protected areas of Finland, Russia, Sweden and Norway. Level of protection is below the international targets. There are several plans to establish new areas as protected areas, but they have urgent need. There is strong need to get information on rare species from these areas to support their establishment.

**13:30–15:00**

Development of representative protected area network (PAs) for the conservation purposes of taiga and Arctic nature landscapes is in urgent need (*Tapio Lindholm, Helsinki, Finland*)

Specificity and representativeness of specially protected areas in the Barents Region – what is protected and what are we lacking in the protected area network (*Dmitry Aksenov, Moscow*)

Recommendations of the BPAN project on improvement of the protected area system in the Barents Region (*A. Kuhmonen, Jevgeni Jakovlev, Helsinki, Finland*)

There is a need to establish new protected areas by 2020 according to international targets – How can the data on red-listed species' distribution contribute to this result? Discussion.

**15:00–15:30 *Coffee break***

**15:30–17:00**

Distribution of red-listed species inhabiting old-growth forests and other biotopes of high conservation value. Materials obtained on realization of a BPAN pilot project in Karelia, Zaonezhye (*A.V. Kravchenko, Jevgeni Jakovlev, Helsinki, Finland*)

Distribution of red-listed species inhabiting old-aged forests. Materials obtained on realization of a BPAN pilot project in the Komi Republic, the Tsilma Reserve (*Andrei Korolev, Tatiana Pystina, S.K. Kochanov, Syktyvkar*)

Organization prospects of new pilot projects on distribution of red-listed species in old-growth forests (*Tapio Lindholm, Jevgeni Jakovlev, Helsinki, Finland*)

**17:00–18:00 Resolution and closing the workshop**

**Saturday, October 4**

**All-day field excursion to the outskirts of Syktyvkar (8:30–18:00)**

International workshop

**CONSERVATION STATUS ASSESSMENT  
OF ENDANGERED SPECIES IN THE BARENTS REGION  
BASED ON THE IUCN RED LIST CRITERIA**

dedicated to the 50th anniversary of the IUCN Red List

SCIENTIFIC PROGRAMME

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Институт биологии Коми НЦ УрО РАН  
167982, Сыктывкар, ул. Коммунистическая, 28