ForBio course in IUCN Red List Assessment

TIME AND PLACE: November 13, 2017 – November 16, 2017, NTNU Trondheim

COURSE SCOPE: ForBio is organising this four-day course to provide training about IUCN Red List, including the topics covered in a typical IUCN Red List Assessor Training workshop. In this course, with theoretical lectures and practical sessions you will learn about the IUCN Red List assessment process and how to compile a scientifically rigorous and objective IUCN Red List assessment on global and regional scales.

COURSE CREDITS: 3 ECTS

ASSESSMENT: Online IUCN exam (2-3 hours)

REGISTRATION: Registration before September 15. Please fill in the online application

FEE: No fee for ForBio members or associates.

TARGET GROUP: Postgraduate students, postdocs, consultants and governmental agents. Maximum 20 participants.

TEACHERS:

- Snorre Henriksen Artsdatabanken
- Toril Loennechen Moen, Artsdatabanken
- Ken Olaf Storaunet, Norwegian Institute of Forestry and Landscape
- Other guest lectures on selected topics

COURSE DESCRIPTION: The International Union for Conservation of Nature (IUCN) has been assessing the conservation status of species, subspecies, varieties, and even selected subpopulations on a global scale for the past 50 years in order to highlight taxa threatened with extinction, and thereby promote their conservation. The IUCN Red List of Threatened Species provides taxonomic, conservation status and distribution information on plants, fungi and animals that have been globally evaluated using the IUCN Red List Categories and Criteria. This system is designed to determine the relative risk of extinction, and the main purpose of the IUCN Red List is to catalogue and highlight those plants and animals that are facing a higher risk of global extinction.

The IUCN Red List of Threatened Species is widely recognized as the most comprehensive, objective global approach for evaluating the conservation status of plant and animal species. Information on their conservation status and distribution provides the foundation for making informed decisions about conserving biodiversity from local to global levels.

In this course, with theoretical lectures and practical sessions you will learn about the IUCN Red List criteria, methodology and definitions, how to compile a scientifically rigorous IUCN Red List assessment at local or global scale, the Norwegian Red List in 2015 and the plans for the Norwegian Red List 2020 and some experiences in the Nordic countries.

TRAVEL AND ACCOMMODATION: The course is arranged by the Research School in Biosystematics – ForBio – and travel and accommodation is covered for graduate students or postdocs registered at Norwegian universities and research institutes. ForBio members will be accommodated at Trondheim Vandrerhjem, in double rooms. ForBio will not refund travel or accommodation costs for other associates. See http://www.forbio.uio.no for more information on ForBio and membership.

ForBio will also support master students registered at Norwegian universities who fulfill the prerequisites and need the course for their thesis work. BioCEED and NABiS students are encouraged to apply.

PROGRAM

13 November

12:00 Welcome and introduction to the course| **Maria Capa & Snorre Henriksen**

12:30 An introduction to the Norwegian Red List for Species, the background, why do we make the Red List. Results, experiences from, and feedback on Red List 2015. | **Snorre Henriksen**

13:15 The Red List assessment process and the role of the assessors

13:30 Red Listed Species in the Nordic Region 2015. Preliminary Results from Norwegian, Swedish, Finnish Research Project | **Teacher to be confirmed.**

14:15 Coffee break

14:30 Key terms and concepts used in the Red List criteria. Review and discussion of the most important and hardest concepts | **Snorre Henriksen**

15:15 Red List categories, data quality and uncertainty | **Snorre Henriksen**

15:45 End

November 14

09:00 Norwegian adaptations to the criteria set and guidelines for national assessments | **Snorre Henriksen**

09:30 How to calculate population size and generation length for clonal species | **Teacher to be confirmed**

10.00 Coffee Break

10:15 Guidelines for the criteria documentation, with discussion | **Snorre Henriksen**

10:45 Red List Criteria – criterion A. Introduction to the criteria: theory and practice/exercise| **Snorre Henriksen**

12:00 Lunch

13:00 Red List Criteria – criterion B. Introduction to the criteria: theory and practice/exercise| **Snorre Henriksen**

14:15 Coffee break

14.30 Red List Criteria – criterion C and D. Introduction to the criteria: theory and practice/exercise| **Snorre Henriksen**

15.45 End

15:20 Coffee break

November 15

09:00 Criterion E and Minimum Viable Population vs. Least Concern. The case of the Scandinavian wolf | **Snorre Henriksen**

09:45 Names and alien species. Changes in taxonomy, relocation of assessments. Definition of foreign species | **Toril L. Moen**

10:00 Species Map Service and Observations, Information Collection, Export and Data Quality | **Snorre Henriksen**

10:30 Coffee Break

10:45 Supporting Information. Impact factors, precision of use. County list, clarification of assumed and known occurrence. Proportion of European population | **Snorre Henriksen**

11:45 Demonstration of Red List Base 3.0 | **Snorre Henriksen**

12:00 Lunch

13:00 The National Forest Inventory as a basis for Red List assessment | **Ken Olaf Storaunet**, **Norwegian Institute of Forestry and Landscape**

15:00 **Group work**: Red list assessment of species. Task sheets with species will be handed out.

November 16

9:00 Discussion/questions

10:00 Exam Online IUCN exam (2-3 hours)