



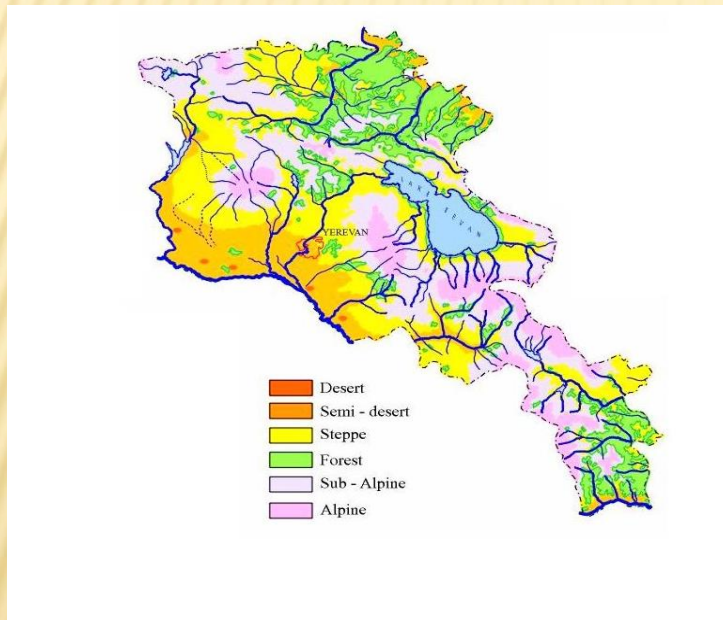
Council of Europe
Conseil de l'Europe



European Union
Union européenne

CONVENTION ON THE CONSERVATION OF THE EUROPEAN WILDLIFE AND NATURAL HABITATS (BERN, 1979)

GROUP OF EXPERTS FOR PROTECTED AREAS AND ECOLOGICAL NETWORKS
16-17 September 2015



Armenia

- × Hasmik Ghalachyan- Ministry of Nature Protection
- × Republic of Armenia

ARMENIA



Area – 29740 sq. km

Altitudes – 375 –
4095 m a.s.l.

Flora - ~3800
species of vascular
plants,

Algae – 428 species

Mosses – 399
species

Fungi – 4207
species

Lichens – 464
species

ARMENIA



Fauna:

549 - Vertebratae
species (357 –
birds)

~17200 –
Invertebratae
species

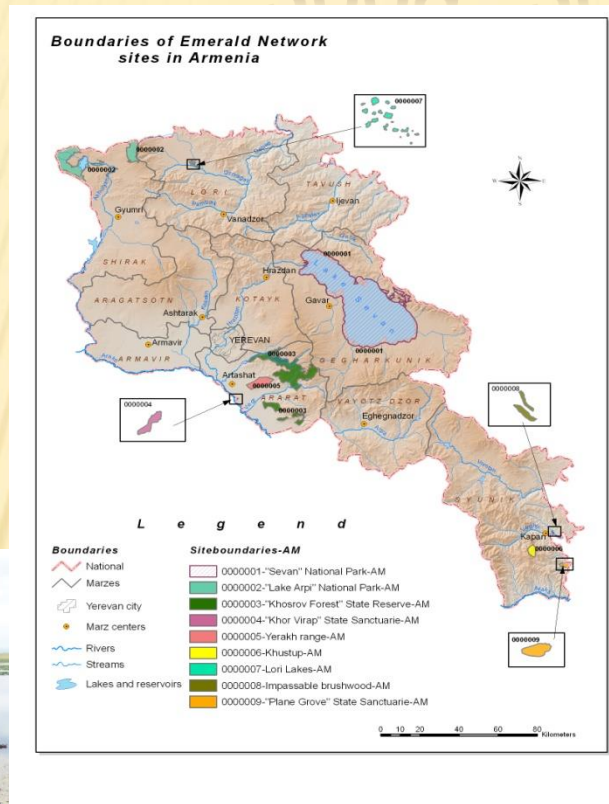
MAIN VEGETATION TYPES



- ✘ Deserts
- ✘ Semi-deserts
- ✘ Steppes
- ✘ Open forests
- ✘ Forests
- ✘ Meadows (sub alpine and alpine)
- ✘ Wetlands
- ✘ Rocks and cliffs
- ✘ Disturbed areas

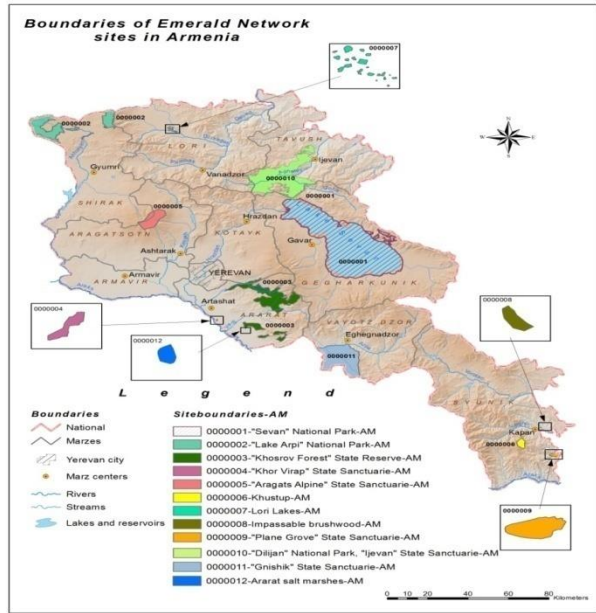
EMERALD NETWORK IN ARMENIA -PHASE I

2009- 2011



- ✦ **Potential Sites – 9**
- ✦ <<Khosrov Forest>> State reserve,
- <<Sevan>>, <<Lake Arpi>> National parks,
- <<Khor Virap>>, <<Plane grove>> State sanctuaries and
- <<Khustup>>, <<Erakhi range>>, <<Lori lake>>, <<Sjuniqi shibljak>>
- ✦ Occupy 206 697,5 ha and forms 7% of the total country area.

EMERALD NETWORK IN ARMENIA - 2013



- ✘ Sites – 12
- ✘ Four new areas were evaluated and were included in the “Emerald Network”
- ✘ "Aragats Alpine" State Sanctuarie-
- ✘ “Dilijan-ljevan”- National park and State Sanctuarie
- ✘ "Gnishik" State Sanctuarie
- ✘ “Araratian Marshes” Nature monument areas
- ✘ And one changed
- ✘ The total area of the 12 Emerald Network sites is currently 291 364.0 ha territory and form around 9.8 percent of the total area.

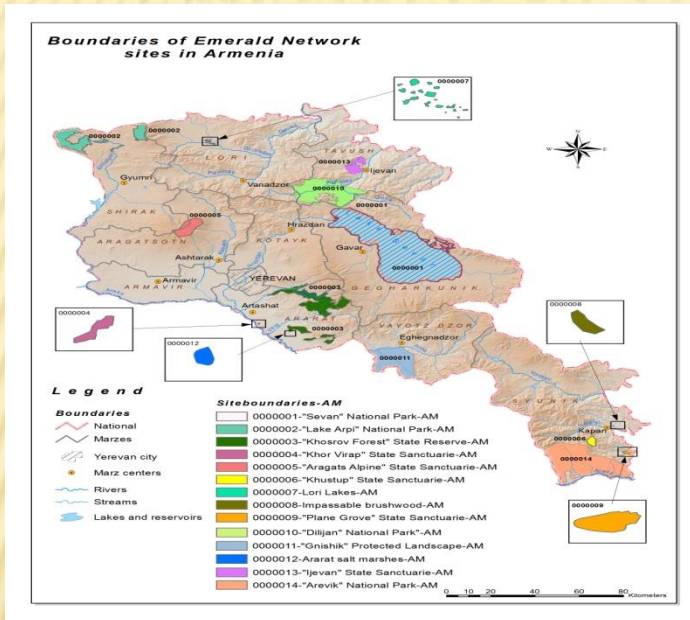


EMERALD NETWORK IN ARMENIA - 2014



- 1 new site – “Arevik”
- 1 site was divided on two: “Dilijan” and “Idjevan”
- 4 new ecosystems
- 1 new plant species

EMERALD NETWORK IN ARMENIA - 2014



- ✘ Sites – 14
- ✘ Habitats – 21
- ✘ Plants – 8
- ✘ Birds – 117
- ✘ Fishes – 3
- ✘ Reptiles – 4
- ✘ Mammals – 13
- ✘ Invertebratae – 5
- ✘ Total area 346 949 ha, and forms 11% of the total country area.



EMERALD NETWORK IN ARMENIA - 2014

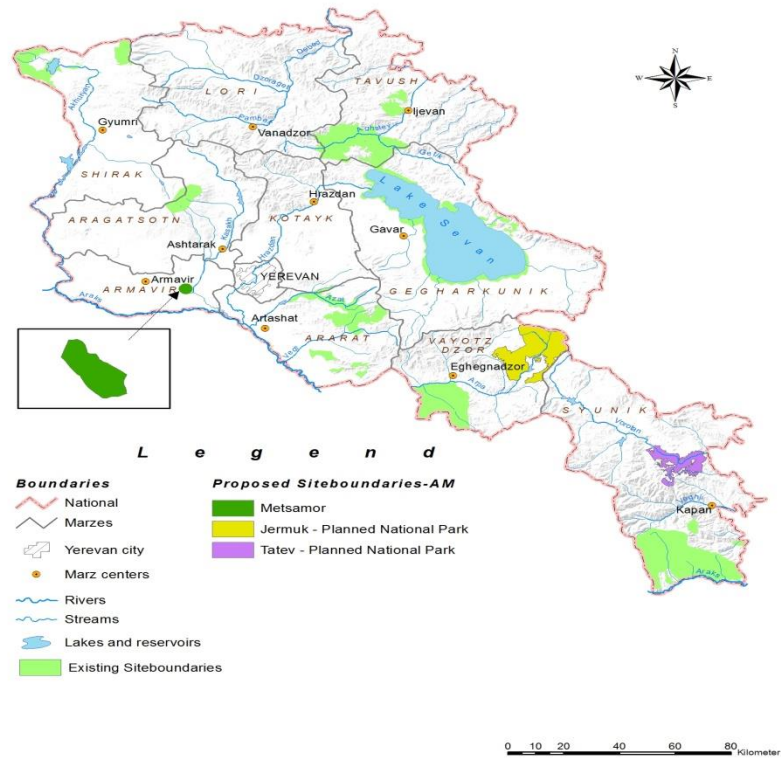


- ✘ We can enlist that in Armenia 12 sites <<Khosrov Forest>> State reserve, <<Sevan>>, <<Arpi lake>>, <<Dilijan>>, <<Arevik>> National parks, <<Khor Virap>>, <<Plane Grove>>, <<Khustup>>, <<Aragats Alpine>>, <<Ijevan>> State sanctuaries, planned <<Gnishik>> protected landscape from overall 14 areas included in the <<Emerald Network>> are involved in the system of protected natural areas and have different categories. According to the law of the protected areas, part of the area of <<Ararat salt marshes>> is included in the list of Natural monuments, and the two <<Sjuniqi shibljak>> and <<Lori lakes>> areas still do not have any category.



EMERALD NETWORK IN ARMENIA - 2015

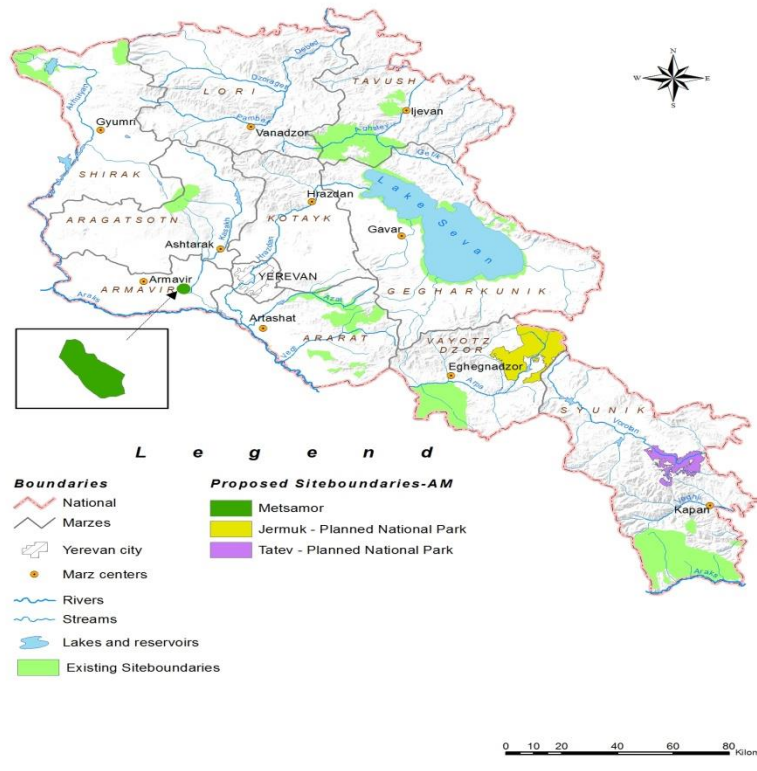
Boundaries of Proposed Emerald Network Sites in Armenia - 2015



- ✘ As result of of this year's works and field trips it was decided:
- ✘ To organize and prepare descriptions of 7 new sites – <<Tatev>>,
- ✘ <<Djermuk>>,
<<Khndzoresk>>,
<<Djadjur>>,
<<Metsamor>>,
<<Armash>>,
- ✘ <<Akhuryan>>
- ✘ where new for the work habitats exists, some rare birds nest, and some other vertebrate animals have good live conditions.

EMERALD NETWORK IN ARMENIA - 2015

Boundaries of Proposed Emerald Network Sites in Armenia - 2015



- ✘ **Sites – 21**
- ✘ Habitats – 26
- ✘ Plants – 8
- ✘ Birds – 117
- ✘ Fishes – 4
- ✘ Reptiles – 4
- ✘ Mammals – 13
- ✘ Invertebratae - 10

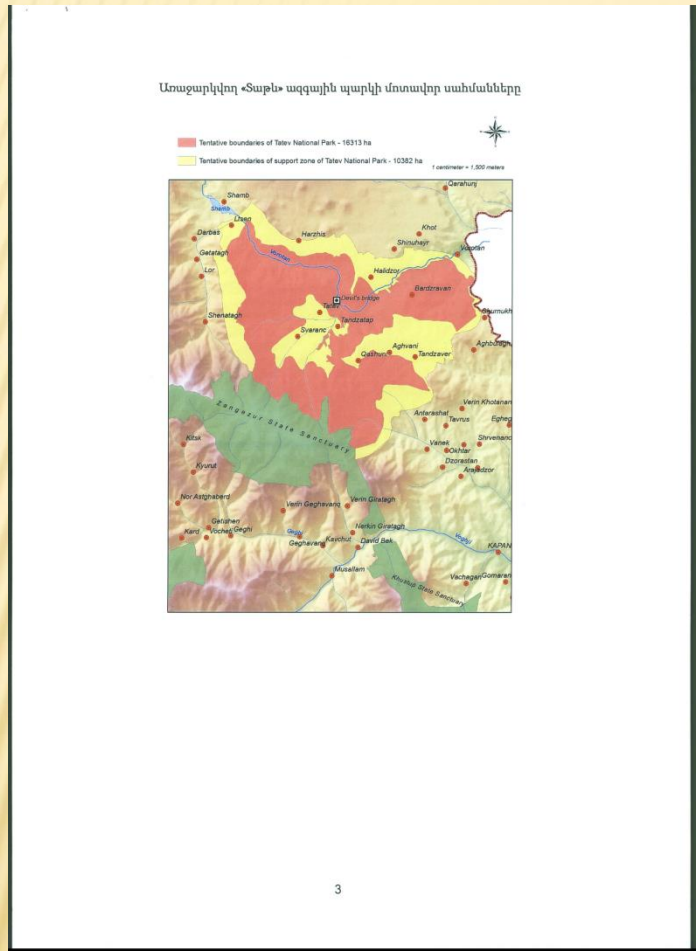
EMERALD NETWORK IN ARMENIA - 2015



<<Djermuk>>-site

- ✘ Here are also represented number of animals and plant species from the Resolution 6 to the Bern Convention and ecosystems included in the Resolution 4 to the Bern Convention.
- ✘ Habitats – 13
- ✘ Plants – 1
- ✘ Birds – 35
- ✘ Fishes – 2
- ✘ Reptiles – 1
- ✘ Mammals – 13

EMERALD NETWORK IN ARMENIA - 2015



<<Tatev>>

Here are also represented number of animals and plant species from the Resolution 6 to the Bern Convention and ecosystems included in the Resolution 4 to the Bern Convention.

- ✘ Habitats – 12
- ✘ Plants – 1
- ✘ Birds – 27
- ✘ Fishes – 2
- ✘ Reptiles – 1
- ✘ Mammals – 13
- ✘ Invertebratae - 1

EMERALD NETWORK IN ARMENIA - 2015

<<Metsamor>>



Here are also represented number of animals and plant species from the Resolution 6 to the Bern Convention and ecosystems included in the Resolution 4 to the Bern Convention.

- ✘ Habitats – 3
- ✘ Plants – 1
- ✘ Birds – 76
- ✘ Fishes – 2
- ✘ Reptiles – 1
- ✘ Mammals – 3
- ✘ Invertebratae - 1

EMERALD NETWORK IN ARMENIA - 2015



- × Reference Databases on plant, animal species and habitats have been checked.
- × As a result **one new fish species, 1134 Rhodeus sericeus amarus**, to 3 recorded ones. It is necessary to introduce the distribution of that species in existing sites, adding, as appropriate, new sites required for its conservation.
- × **And add another 5 new Invertebrate species.** They need to be checked by existing sites. Add potential new sites for species conservation, if necessary.
- × **1060 Lycaena dispar**
- × **1078 Callimorpha (Euplagia) quadripunctaria**
- × **4039 Nymphalis vaualbum**
- × **4043 Pseudophilotes bavius**
- × **4045 Coenagrion ornatum**
- × **Add another new 9 habitats to 17, and make 26.**

EMERALD NETWORK IN ARMENIA

EMERALD PROCESS AT NATIONAL LEVEL

- ✘ **The Government Decree** <<The development strategy and the 2013-2020 action plan of the Special Protected Areas of Armenia>> was approved that includes general information about the Emerald Network, its legal basis, objectives and the areas included in the Network.
- ✘ **The information about the areas included in the Emerald Network** is available in the <<5th National report on Biodiversity>>.
- ✘ **By the Government Decree /1054-Ն/** the measure was approved also to disseminate information regarding the areas included in the Emerald Network to the public.
- ✘ **By the order of the President of RA twice a year we report about the implementation process of the Ratified Conventions by the RA** including also Bern Convention and the creation of the Emerald Network in Armenia.
- ✘ **The Red books of Flora and Fauna of RA** includes information about the species that available in the Annexes in the Bern Convention and Res. 4 and are endangered and presently present in Armenia.
- ✘ **Under the scope of the synergy with the UN Convention of Climate Change and by their** financial support, assessment measures were implemented in the Emerald network sites and habitats under the climate change adaptation .
- ✘ **Data on Armenia's <<Emerald>> Network is contained in the UN <<Convention of Biological Diversity>>**, and in the document <<Strategy and State Program of Conservation, Use and Reproduction of Biological Diversity in the Republic of Armenia>> (developed under Global Environment Fund (GEF) financing and supported by the World Bank).
- ✘ **In the <<MEMORANDUM OF COOPERATION between the** Nature Conservation Agency of the Czech Republic and the Bio-resource Management Agency of the Ministry of Nature Protection of the Republic of Armenia concerning information and experience exchange>> included the activity between Republic of Armenia and Republic of Czech about following-
 - ✘ **Article 3, point c) Identification of sites of supra-national importance, particularly the Bern Convention <<Emerald Network>>**.

EMERALD NETWORK IN ARMENIA

THE FOLLOWINGS WERE PUBLISHED:

- ✘ At 2009 we have published the brochure in Armenian, English and Russian about the flora and fauna species and their habitats occurring in Armenia and included in the Res. 4 and Res.6.
- ✘ The <Emerald Network> brochure prepared by the Council of Europe at 2010 was translated into Armenian.
- ✘
- ✘ At the end of the project at 2011 a book “Identification of Potential Areas of Environmental Special Conservation Interest in the Republic of Armenia program Emerald Network in Armenia for 2009-2011” in Armenian and English was published.
- ✘ At 2013 the Calendar <Emerald Network> in Armenia was published having the environmental-informative direction.
- ✘ At 2014 again the Calendar <Emerald Network and Climate Change> was published by the financial support of Armenian projects of the Convention of Climate Change.
- ✘ At this year the book <Emerald book of Armenia> in Armenian and English was published.

EMERALD NETWORK IN ARMENIA

Activities:

Self-assessment

Field researches

Data Base analysis

Bio-geographical
seminar in Tbilisi

Activities were implemented by specialists from Institute of Botany NAS RA, Institute of Zoology NAS RA, Armenian American University, NGO “Nature Rights Protection”

EMERALD NETWORK IN ARMENIA – 2015

Lessons learnt:

1. We have a lot of work in the next years before National bio-geographical seminar
2. We have to re-analyze all data on distribution of species and habitats and their presentation on Emerald sites



Thank you for your attention and patience!

