

Forest research priorities and challenges of Ukrainian Research Institute of Forestry and Forest Melioration (URIFFM)

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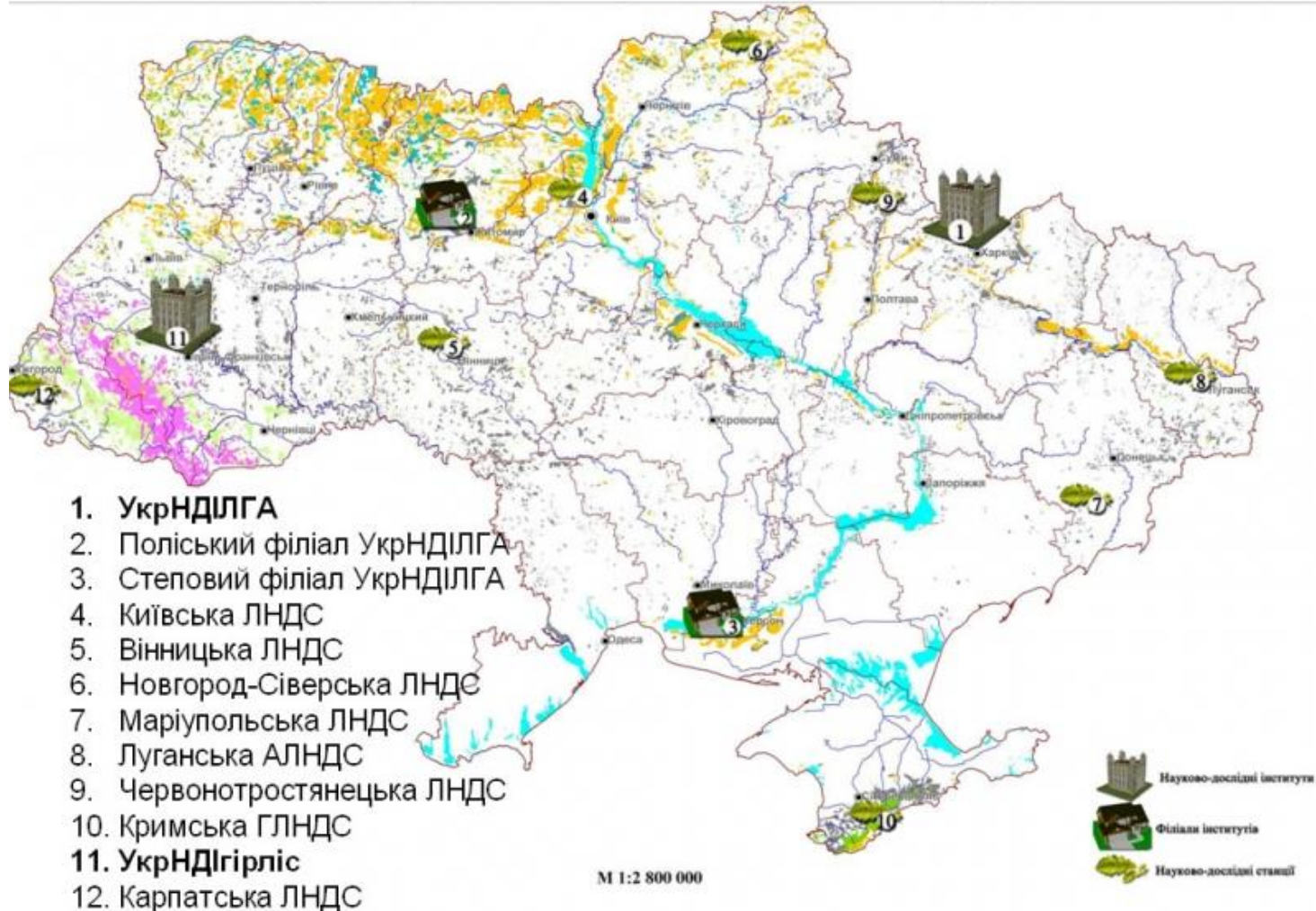
International workshop

“Sustainable forest management: joint research priorities for EU,
Russia and Eastern Partnership (EaP) countries”

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Forest research network in Ukraine

Мережа науково-дослідних організацій Держкомлісгоспу України



Forest research priorities

- Development of the national forest policy and action plan to improve governance in the forest sector of Ukraine in line of signing of association agreement with the EU.
- The study of vulnerability of forests and their role in condition of climate change, scientific support of the forest management activities to mitigate the effects of climate change (e.g. - close to nature forest management).

Forest research priorities (cont)

- Improving methods and technologies of harvesting for different type of forests and preserve biodiversity. Development of the system of forest management activities in a changing environment. Adaptive forest management in condition of climate change.
- Scientific support for the implementation of international obligations of Ukraine, related to forests, e.g. – INDS for a new international climate agreement (post-Kyoto), the implementation of resolutions on "Forest Europe» (MCPFE).

Forest research priorities (cont)

- Scenario analysis of the dynamics of forest resources in Ukraine for the next 50 years. Modeling the distribution of carbon in the forests and forest products, carbon balance assessment.
- The study of anthropogenic impact on forest ecosystems, the development of scientific approaches for the adaptation measures in forestry in connection with the transformation of environmental, economic and social conditions in Ukraine.

Forest research priorities (cont)

- Development of agroforestry and protective afforestation in the new socio-economic conditions.
- Improved methods for monitoring of forests, including an advanced technologies (remote sensing, GIS, modern measuring equipment).
- Development of an integrated system for the protection of forests.
- Developing strategies and methods for the conservation of the gene pool and play the best genotypes and populations of forest species.

Forest research priorities (cont)

- Develop strategies and recommendations on the issue of increasing the possibilities of using bioenergy potential of forestry.
- Development of recommendations aimed improving of the efficiency of hunting.
- Creating a Forestry geographic information system and software applications based on the open source codes.

The challenges

- Lack of diversification of the sources of funding of scientific activity, a slight raise funds from businesses, international joint projects and customers from outside the forestry sector.
- Weak inter-sectoral and international cooperation, low level of integration of forest research in international programs and projects, in particular - in Europe.
- Out-date equipment, the need to update the field equipment, laboratory and office equipment.

Thank you for your attention!

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