

Project brief

Project Number	<i>to be filled by BLE</i>
Project title - English	Forest management as a prerequisite for the development of productive, fire-resistant and climate-resilient forests in Ukraine
Project title - German	Waldpflege als Voraussetzung für die Entwicklung produktiver, waldbrandrobuster und klimaresilienter Wälder in der Ukraine
Coordinating institution	Eberswalde University for Sustainable Development
Other applicants (Complete consortium)	<ol style="list-style-type: none"> 1. Ukrainian National Forestry University (UNFU) 2. National University of Life and Environmental Sciences of Ukraine (NUBiP) 3. Regional Eastern Europe Fire Monitoring Center (REEFMC) 4. Global Fire Monitoring Center (GFMC), and as transfer partners <ol style="list-style-type: none"> 1. Lviv State Forest Enterprise 2. Stradch training area of UNFU 3. Sambir State Forest Enterprise 4. Boyarka Forest Experimental Station 5. Chernihiv State Forest Enterprise
Acronym	ManUk
Topic - keywords	forest tending, fire management, continuous-cover-forestry, forestry strategy Ukraine, climate-resilient forests
Country focus	Ukraine
Working Hypothesis	Forest tending is of eminent importance for forest conversion and the maintenance of diverse tree mixtures in Ukraine, e.g. for the development of adaptive forests in the face of climate change. Moreover, forest tending or management is also a key measure to reduce the fire risk in Ukrainian forests close to settlements.
Summary of the Project - brief description ENGLISH	<p>Following the current conflict, Ukraine will require large quantities of timber during the reconstruction phase. Appropriate forest management (tending) strategies are crucial for increasing productivity and value in the commercial forests of Ukraine. Moreover, forest tending is of great importance for the maintenance of diverse tree mixtures as risk insurance in the face of climate change.</p> <p>Forest management is also a key measure to reduce the fire risk in pine-dominated forests, especially close to settlements. By reducing combustible material through tree removal, but also with the help of controlled burning, safety measures can be taken to prevent or mitigate landscape fires. Adequate measures will be tested with the involvement of local stakeholders. With the proposed project, the existing forest management guidelines in Ukrainian forests can be revised, in order to implement optimized management regimes.</p>

<p>Summary of the Project - brief description German</p>	<p>Nach dem aktuellen Konflikt wird die Ukraine in der Wiederaufbauphase große Mengen an Holz benötigen. Geeignete Strategien der Waldbewirtschaftung (Pflege) sind für die Steigerung der Produktivität und des Wertes der ukrainischen Wirtschaftswälder von entscheidender Bedeutung. Darüber hinaus ist die Waldpflege von großer Bedeutung für die Erhaltung vielfältiger Baummischungen als Risikoversicherung im Hinblick auf den Klimawandel.</p> <p>Die Waldbewirtschaftung ist auch eine wichtige Maßnahme zur Verringerung des Brandrisikos in von Kiefern dominierten Wäldern, insbesondere in der Nähe von Siedlungen. Durch die Reduzierung von brennbarem Material durch die Entfernung von Bäumen, aber auch durch kontrolliertes Abbrennen, können Sicherheitsmaßnahmen ergriffen werden, um Landschaftsbrände zu verhindern oder abzuschwächen. Geeignete Maßnahmen werden unter Einbeziehung der lokalen Akteure getestet. Mit dem vorgeschlagenen Projekt können die bestehenden Waldbewirtschaftungsrichtlinien in den ukrainischen Wäldern überarbeitet werden, um optimierte Bewirtschaftungssysteme zu implementieren.</p>
<p>Expected Results</p>	<p>The expected results are relevant to the further scientific foundation and monitoring of forest conversion in the pilot forest enterprises Lviv and Sambir.</p> <p>Important goals such as the production of high-quality timber as well as other forest ecosystem services are addressed. The results will also be incorporated into Ukraine's 2035 forestry strategy.</p> <p>In addition, the proposed project will provide evidence on the prevention and control of landscape fires in Ukraine and thus support the refinement of Ukraine's forest fire strategy to changing conditions.</p>
<p>Capacity Development (for scientific stakeholders)</p>	<p>The partner institutions NUBiP and UNFU as well as the fire monitoring units will benefit from the developed research.</p>
<p>Capacity Development (for non-scientific stakeholders)</p>	<p>Moreover, also the selected transfer partners (pilot forest enterprises) will gain valuable insight into the practice of forest tending.</p>
<p>Knowledge & information management, Open data concept, data distribution</p>	<p>The sample plots which are established, as well as the data generated during the project passes into the stewardship of the Ukrainian partners when the project ends, an essential precondition for a long-term success of the whole project and knowledge transfer. Additionally, relevant scientific and transfer-oriented publications will be provisioned, for the broader scientific community and other stakeholders.</p>
<p>Innovation</p>	<p>For Ukraine some quite innovative approaches in forest tending will be developed and put into practice: high-quality timber production, artificial pruning, fire prevention methods focusing on forest tending approaches, also in the urban interface.</p>
<p>Interface to dev. projects</p>	<p>Resilpine, initiatives and projects in the field of landscape fire prevention.</p>
<p>Requested Budget € per partner and year</p>	<p>For the 2-year period: German share 41419,9 / year; Ukrainian share 128619</p>

Total Budget €	340.078
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