



PROJECT SUMMARY

SELINA will provide guidance for **evidence-based decision-making** that supports the protection, restoration, and sustainable use of our environment. Through a collaboration of experts from **50 partner organisations** from all 27 EU member states, Norway, Switzerland, Israel, and the United Kingdom, SELINA will set **new standards for international cooperation** to promote Ecosystem Services (ES) and Biodiversity (BD) conservation and enhance Ecosystem Conditions (EC). Providing robust practical information and recommendations to stakeholders from both the public and private sectors, SELINA will pave the way towards the **transformative societal change** required to achieve the ambitious goals of the European Biodiversity Strategy 2030 and the Green Deal.

Project duration: 1 July 2022 – 30 June 2027

Keywords: biodiversity, ecosystems, ecosystem services, natural capital accounting, evidence-based decision-making, transformative change

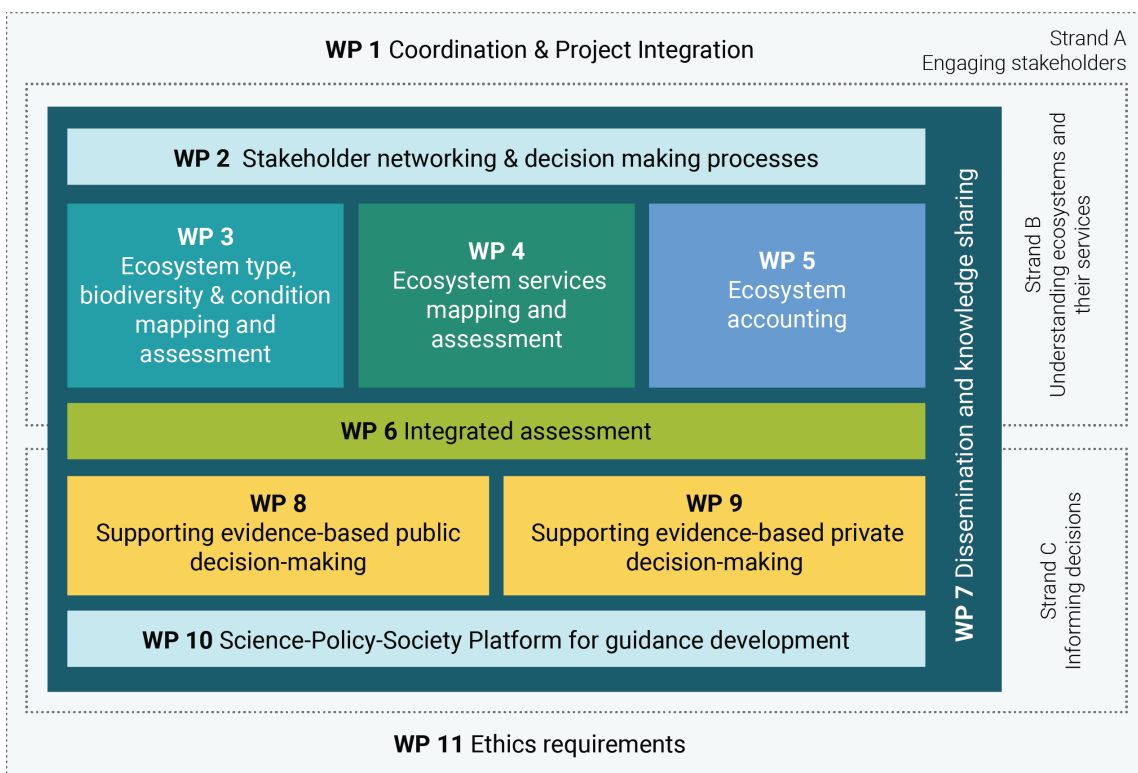
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DESCRIPTION OF WORK PACKAGES



SELINA Strands and Work Packages (WP), their overall organisation and interrelations.

WP
1

Coordination & project integration

- Efficient, strong and transparent coordination and management of the whole R & I Action and dedicated resources;
- Coordination and integration of the outcomes of the project to ensure coherent and timely implementation;
- Robust information flows within and between different WPs, with a special focus on the supply of necessary data and information for WPs 8 and 9 and their final application in evidence-based policy- and decision-making.

WP
2

Stakeholder networking & decision-making processes

- Insights into the factors behind the successful integration of BD, EC, and ES knowledge into public and private decision-making;
- Facilitation of knowledge exchange and learning processes among science, policy, NGOs,

businesses, citizens, and other relevant societal actors, with an aim of advancing BD and ES-coupled decision-making;

- Development of tailor-made materials providing guidance on best practices for the upscaling of BD and ES research integration in decision-making processes.

WP
3

Ecosystem type, biodiversity & condition mapping and assessment

- Development and testing of methodologies to map and assess terrestrial and aquatic ecosystem condition to support the EU implementation of the System of Environmental-Economic Accounting (SEEA), the legally binding restoration targets in BDS, and the better integration of ecosystem condition in public and private decision-making;
- Advancement of the sustainability of the EU economy and human well-being via the definition of minimum criteria for ecosystems to achieve or maintain high ecological integrity and good EC.

**WP
4**

Ecosystem services mapping and assessment

- Refinement of the ES knowledge base that is available from prior EU Actions – such as MAES, ESMERALDA, MAIA, and INCA – by diagnosing, developing and testing the capabilities of existing ES assessment approaches, models, and indicators, with the aim to increase the likelihood of their uptake in the decision-making processes of key actors such as public administrations, civil society, businesses, NGOs and other relevant institutions throughout Europe.

**WP
5**

Ecosystem accounting

- Connection of emerging insights in EC and ES supply and use to the UN System of Environmental Economic Accounting (SEEA) Ecosystem Accounting approach;
- Facilitation of the inclusion of said insights in the integrated assessment process (WP6) and decision-making (WPs 8 & 9).

**WP
6**

Integrated assessment

- Appropriate integration of the SELINA outcomes regarding the understanding of ecosystems and their services (SELINA Strand B);
- Provision of support to application- and decision-making-related WPs (Strand C);
- Incorporation of the knowledge and needs from different stakeholders engaged in Strand A and WP2;
- Production of comparable knowledge and operational databases for efficient evidence-based decision-making in support of specific decision-making questions and different stakeholders' needs.

**WP
7**

Dissemination and knowledge sharing

- Increase of the efficiency, outreach and impact of SELINA's work via appropriate communication of the project's messages among various stakeholder groups;
- Dissemination of the research results according to FAIR principles;
- Advancement of the active exchange of knowledge among concerned parties across the Consortium and beyond – including policy-makers, researchers, business and industry leaders, and civil society.

**WP
8**

Supporting evidence-based public decision-making

- Development of real-world innovative examples (“Demonstration Projects”, DPs) of how knowledge on BD, ecosystems and ES can be used to support evidence-based public decision-making processes (from projects to plans and policies) in a range of sectors – including urban and regional development, agriculture, energy, marine spatial planning, forest and nature conservation, green infrastructures and ecosystem restoration.

**WP
9**

Supporting evidence-based public decision-making

- Alignment of BD and ES science outputs with existing private sector decision-making frameworks to encourage uptake;
- Evidence provision on ES assessment protocols and standards effectively applied in private sector decision-making;
- Scale-up of the use of the ES concept, natural capital applications, and other private sector decision-making tools promoting sustainability and well-being;
- Practical support for the uptake and application of the value provided by ES in private sector decision-making.

**WP
10**

Science-Policy-Society Platform for guidance development

- Design and implementation of a mechanism for the co-creation of knowledge;
- Provision of insight into the rights and duties in the protection, restoration, and use of ecosystems and their services;
- Organisation of four annual European and international dialogue events between science, policy, business, and society – focusing on evidence-based guidance as produced by the project;
- Co-creation of a comprehensive and applicable Compendium of Guidance.

**WP
11**

Ethics requirements

- This work package sets out the ethics requirements that the project must comply with.

EXPECTED OUTCOMES

SELINA will produce various outcomes: concrete Deliverables (i.e. reports, publications, methods database and documentation), networking (e.g. by Communities of Practice and a series of altogether eight thematic Workshops across Europe) and an open access Compendium of Guidance at the science-policy-business-society interface that translates the technical results into a format to be used by a broad suite of stakeholders.

All outcomes will support stakeholder engagement to increase relevance and applications of scientific outcomes for evidence-based, more cost-effective and sustainable decision-making about natural capital; in the 15 SELINA public and private decision-making Demonstration Projects and beyond, SELINA will furthermore foster our understanding of ecosystems and their services to increase robustness of approaches, methods and data that are necessary to support transformative change on different scales.

PROJECT PARTNERS

-  Leibniz University Hannover
-  Stichting Capitals Coalition
-  Ecostack Innovations Limited
-  University of Trento
-  Pensoft Publishers
-  Centre for Ecological Research
-  Mykolas Romeris University
-  Research Centre of the Slovenian Academy of Sciences and Arts
-  University of Patras
-  space4environment
-  National Institute of Geophysics, Geodesy and Geography
-  Rey Juan Carlos University
-  University of Salzburg
-  University of Bucharest
-  Flemish Institute for Technological Research
-  Foundation for Sustainable Development
-  Baltic Environmental Forum
-  Adam Mickiewicz University
-  National Research Institute for Agriculture, Food and the Environment
-  Copenhagen University
-  Norwegian Institute for Natural Research
-  Estonian University of Life Sciences
-  The Cyprus Institute
-  Wageningen University
-  The Finnish Environment Institute
-  Global Change Research Institute SarVision
-  Ministry of the Environment of the Slovak Republic
-  Gaspar Frutuoso Foundation
-  Flemish Agency for Nature and Forest
-  Municipality of Trento

-  Ministry of Environment of the Republic of Lithuania
-  Ministry of Environmental Protection and Regional Development of the Republic of Latvia
-  Research Centre in Biodiversity and Genetic Resources
-  University of Haifa
-  COHAB Initiative Secretariat
-  KTH Royal Institute of Technology
-  Forest Research Institute
-  SEAcop
-  Macroplan
-  University of Reunion Island
-  Spatial Services
-  Asplan Viak
-  denkstatt
-  Wolfs Company, part of Grant Thornton
-  Ministry for the Ecological Transition and the Demographic Challenge
-  ETH Zürich
-  Joint Research Centre
-  UNEP-WCMC
-  South Atlantic Environmental Research Institute

