

★ **SELINA** SCIENCE FOR EVIDENCE-BASED
AND SUSTAINABLE DECISIONS ★
ABOUT NATURAL CAPITAL

Country Fact Sheet **LUXEMBOURG**



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Country Fact Sheet: Luxembourg (LU)

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space4environment

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If you feel there are ongoing or upcoming research projects, policy initiatives or legislations, concerning the use of biodiversity, ecosystem condition and ecosystem services knowledge in decisions and policies, missing please contact nge.liekens@vito.be and we update the country fact sheet (until March 2027)

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Update on projects concerning biodiversity, ecosystem condition and ecosystem services assessment and accounting since 2022

The Environment Department of the Ministry for Sustainable Development and Infrastructure launched the development of a methodological guide for the implementation of the MAES in Luxembourg at the end of 2013. Based on this guide, the minister in charge prioritized 13 ecosystem services to be mapped by the end of 2014.

At national level, an exercise was undertaken to compile Ecosystem Extent Accounts according to the imminent updated reporting obligation under the European Environmental Economic Accounts (Regulation (EU) No 691/2011) (Ecosystem Extent Accounts for Luxembourg. 2023, unpublished).

The aim was for preparation for reporting under the regulation and was commissioned by STATEC (the

National Institute of statistics and economic studies of the Grand Duchy of Luxembourg).

A study was undertaken specifically addressing the Ecosystem Services provided by open landscape habitats in Luxembourg (unpublished, October 2023). This work was commissioned by the Ministère de l'Environnement, du Climat et de la Biodiversité and addressed firstly 'A framework for evaluating ecosystems and their services' (Part A) and 'A review of ecosystem services in open landscapes' (Part B). The report addressed the reported pressures (national reporting under the EU Habitats Directive)

This findings from this work are being summarised in a newsletter.



Examples of uptake in decision processes, regulations and/or legislation

While ecosystem services are not specifically referenced in legislation pertaining to environmental impact assessments. They are implicitly contained in

the protective targets of the strategic environmental assessments itself (i.e. DE: "Schutzgüter" or FR: "Facteurs").



The overall conclusion of the IPBES global assessment (IPBES 2019) was that Goals for conserving and sustainably using nature and achieving sustainability cannot be met by current trajectories, and goals for 2030 and beyond, may only be achieved through transformative changes across economic, social, political and technological factors.

Transformative or transformational change refers to “a fundamental, system-wide reorganization

across technological, economic and social factors, including paradigms, goals and values” (IPBES, 2019). Simply said, doing things differently, rather than doing less or optimising the system.

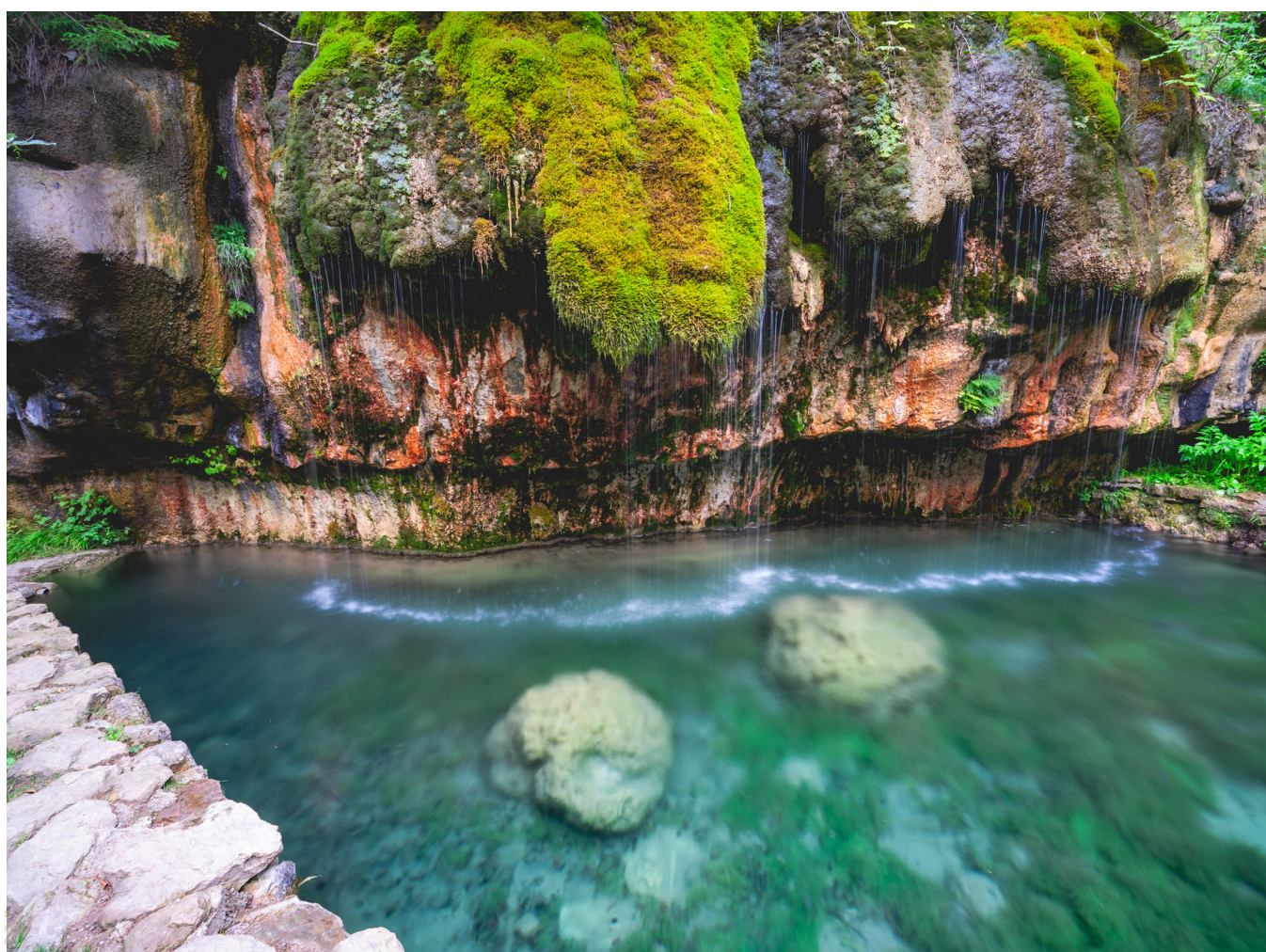
A means to enhance uptake is bringing people of the quadruple helix together and exchange information and learn from each other. Another is to establish projects that can show that it works and lead to possible pathways of transformative change.

3.1 Community of practice

There is no community of practice organized for Luxembourg. It has been previously discussed that there may be an opportunity to join the Belgian CoP.

3.2 Seeds of transformative change

No seeds were collected through the online survey.



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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PROJECT PARTNERS

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-  Stichting Capitals Coalition
-  Ecostack Innovations Limited
-  University of Trento
-  Pensoft Publishers
-  Centre for Ecological Research
-  Mykolas Romeris University
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-  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
-  Croatian Forest Research Institute
-  SEAcop
-  Macroplan
-  University of Reunion Island
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-  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

