

BiROFin

Biodiversity-related risks and opportunities to the financial sector

The Financial sector needs robust tools to understand and mitigate the impacts of biodiversity loss. BiROFin's unique approach aligns science-based future biodiversity and financial scenarios, utilizing advanced economic modelling techniques to provide comprehensive monetary estimates of biodiversity effects on the economy at the country and sector levels.

A unique Public Private Partnership to estimate the macro economic impact of biodiversity loss and determine the most important measures to reduce and recover biodiversity.

Wageningen University and Research (WUR) brings long-standing expertise in integrating science-based future scenarios with economic impacts, offering detailed insights into how biodiversity loss affects various sectors. This project stands out by delivering these insights and developing an additional, comprehensive dataset on abatement and restoration measures and their cost-effectiveness.

By working closely with the Foundation for Sustainable Development and financial industry stakeholders, this PPP ensures that the developed data and methodologies are scientifically rigorous and practically applicable.

This project receives financial support from the Knowledge and Innovation Agenda of Agriculture, Water, Food (KIA) in co-creation with industry leaders:



Deloitte.

ING 



BiROFin

If you want to join us on this important development, please contact:

Haki Pamuk, PhD

haki.pamuk@wur.nl

María A. Naranjo-Barrantes, PhD

maria.naranjo@wur.nl



Wageningen Economic Research has been upgrading MAGNET general equilibrium model with the ability to look at sectoral effects of biodiversity loss on economy and vice versa at the global level.

Project Impact along the Kunming-Montreal Global Biodiversity Framework:

BiROFin aligns with targets 15, 18, and 19 of the Biodiversity Plan (former GBF):

BiROFin provides insights in two areas:

1. Sectoral and country level monetary economic effects of biodiversity loss
2. List of biodiversity loss abatement and restoration measures and their investment and operational estimates

This collaboration aims to address the most significant ecosystem services, sectors, and specific major countries for the private sector.

Target 15: Build the capacity of companies to report and disclose their impacts on biodiversity.

Target 18: Redirect and eliminate harmful subsidies and incentives that contribute to biodiversity loss

Target 19: Address the biodiversity financing gap by mobilizing financial resources from all sources.

Furthermore, this project responds to the goals of the Corporate Sustainability Reporting Directive (CSRD), EU now requires all large and listed companies to disclose information on the risks and opportunities arising from social and environmental issues, as well as the impact of their activities on people and the environment.