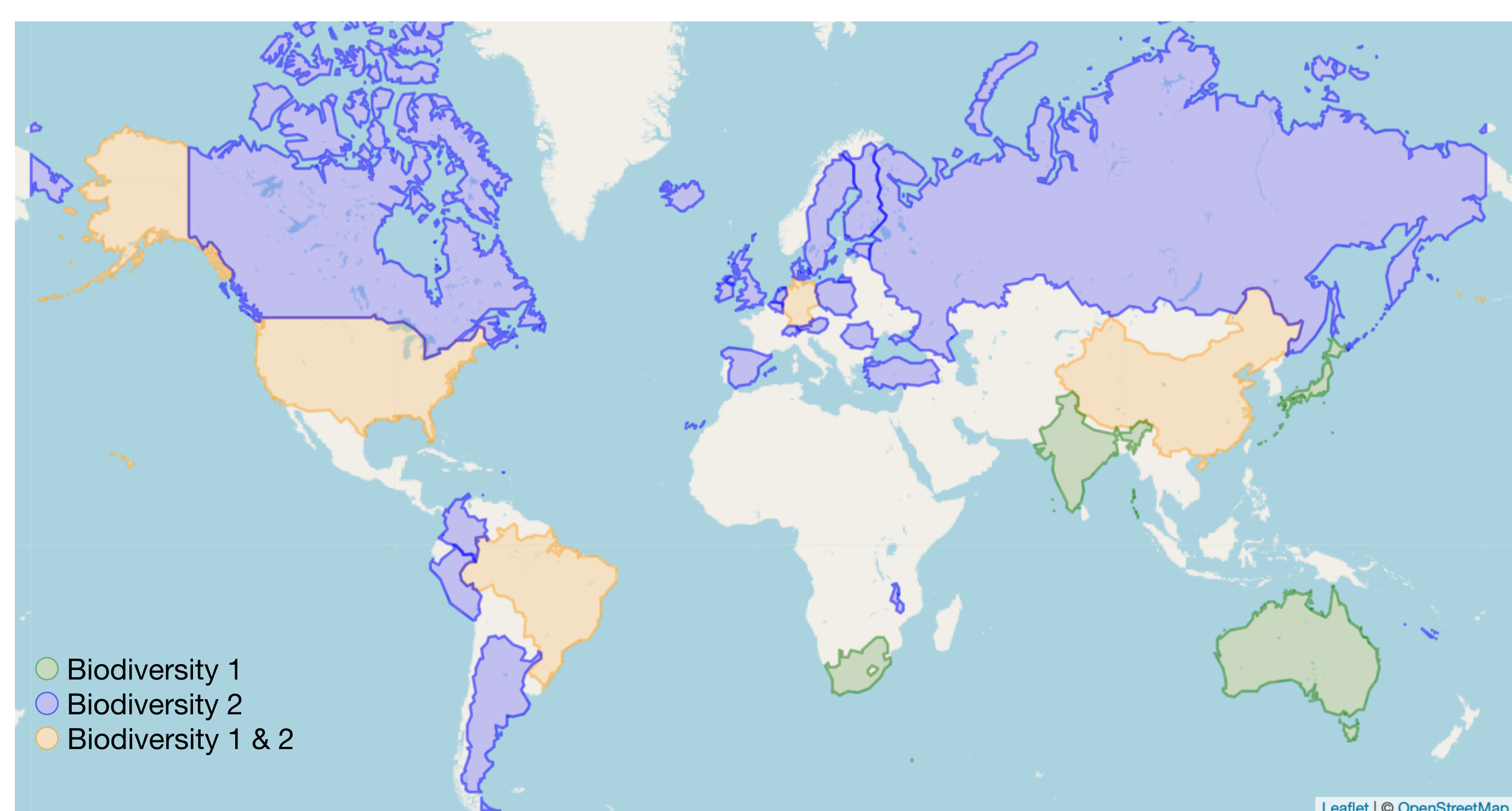


Enhancing Long-Term Biodiversity Monitoring through Transdisciplinary Approaches for Holistic Ecosystem protection

Global environmental changes have already transgressed several planetary boundaries, and the scientific community now largely agrees that we have entered a sixth mass extinction crisis. This extensive biodiversity loss is staggering, threatening essential ecosystem services with an estimated economic replacement cost of \$125 trillion / year. A critical knowledge gap for sustainable management is the insufficient support for long-term ecological research and the lack of mechanistic data required to understand spatio-temporal ecosystem dynamics. **The main goal of BIODIVERSITY 3 is to complement and connect existing international long-term ecological research infrastructures at a broader transdisciplinary scale.** It is designed to actively bridge the gap between the critical but short-term, co-designed projects fostered by the Belmont Forum and the establishment of durable, mechanistic long-term biodiversity monitoring programs. For the research community, the CRA's value lies in promoting inclusive, equitable, and FAIR (Findable, Accessible, Interoperable, Reusable) sharing of data and know-how, including legacy datasets. It will also ensure international, cross-study standardization and deploy novel experimental and transdisciplinary approaches to understand the complex driving factors and consequences of biodiversity shifts. BIODIVERSITY 3 aims to support society-oriented action research programs that change how political and economic decision-makers view and value biodiversity. This includes changing cultural, agricultural, and industrial practices, supporting potential legislative change, and integrating citizen science and Traditional Ecological Knowledge (TEK) into research and education. The initiative directly addresses the Belmont Challenge by enabling transdisciplinary research that generates essential knowledge for understanding, mitigating, and adapting to global environmental change. Furthermore, the action is explicitly designed to contribute to UN Sustainable Development Goals 13, 14, and 15, while aligning directly with the implementation of multiple targets within the Kunming–Montreal Global Biodiversity Framework (GBF).

The Biodiversity 1 & 2 Collaborative Research Actions at a glance



	Biodiversity 1 2014-2016	Biodiversity 2 2017-2019
Budget in €	1 477 000	14 964 522
Partners	69	606
Non academic partners	7	418
Postdocs	9	103
Graduate students	4	77
Undergraduates	0	34
Countries represented	10	29
Projects	4	22

Biodiversity 3 core ambitions

- Provide a **transdisciplinary dimension** to long-term **biodiversity** monitoring systems, integrating novel experimental designs & transdisciplinary approaches
- Promote the FAIR and CARE **ethos**
- Integrate **societal participation**, Citizen Science and Traditional Ecological Knowledge
- Support societal transformation and **action** through policy

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Future scoping events

- Belmont Forum CRAs are **co-constructed** - join us at scoping workshop !
- More online events to come !

Date	Time	Event	Venue	Mode
2026-06-16	16:30–18:00	World Biodiversity Forum	Davos, Switzerland	in person
2026-06-25	11:45–13:00	Sustainability Research and Innovation Congress	Cape Town, South Africa	hybrid
2026-06-30 to 02	TBD	Belmont Forum Plenary	Bangkok, Thailand	in person
2026-07-15 to 17	TBD	Global Conference on the International Decade of Sciences for Sustainable Development	Paris, France	in person
2026-11-13 to 17	TBD	8th International Marine Conservation Congress	Edinburgh, Scotland	hybrid

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