

# Frontiers Planet Prize 2023



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## Objective of the Frontiers Planet Prize

The Frontiers Planet Prize aims to recognize, encourage, and reward exceptional scientists, whose work contributes toward ensuring all humankind can lead healthy lives on a sustainable planet. The ambition of the Foundation **who issues the prize is to boost sustainability research at the global level and, much like the Olympics**, foster a passionate competition between scientists, universities, and nations to fund and develop science that provides real solutions to the planetary environmental threat.

The prize will honor research, published in peer-reviewed journals over the past **2 calendar years**, that has the greatest potential to help keep humankind within one or more of the Planetary Boundaries.

The Frontiers Planet Prize is awarded by the Frontiers Research Foundation, a not-for-profit foundation based in Switzerland. Through the ambition of the prize is to become an annual event, for its inaugural edition, the Foundation will be awarding three **Planet Prizes of CHF 1 million each**.

Awards are considered across all sciences covering the entire range from deepening our understanding of interactions and feedback between planetary boundaries, and implications for the state and resilience of the Earth system, to research on planetary justice in so far it leads to transformative pathways for a world that develops within the safe operating space of the Planetary Boundaries.

**The Frontiers Planet Prize is a grand challenge to the scientific community across the world**, providing major recognition of the most relevant recent scientific insights in support of navigating humanity's future in the Anthropocene, while at the same time stimulating institutions and nations to accomplish the next Frontiers Planet Prize-winning scientific breakthroughs.

The prize aims to emulate the passion and pride of the Olympic Games to unleash the competitive spirit of researchers – supported by their universities and national leaders – to get the world to sit up, listen and learn about the urgency of the environmental challenges and about the scientists that have dedicated their lives to finding solutions.



## Procedure

National competitions will be organised by national academic institutions serving as National representative Bodies. **Each country will be submitting three National Nominees**, which will be submitted to the Prize Jury.

An international **Jury of 100 sustainability scientists** will vote online for one leading scientist (or 'National Champion') in each country, and then (from among these National Champions) for three International Champions to win the 2022 Frontiers Planet Prizes

## Scientific Criteria

The Frontiers Planet Prize is awarded to the best research publications published in established peer reviewed **scientific Journals within the past 2 years**.

Scientific excellence is the guiding principle for the Frontiers Planet Prize, while inviting contributions for all established scientific journals in the world with robust peer-review and transparent publication procedures.

**The Prize welcomes research across all sciences and is open for contributions that focus on one or all planetary boundaries. Research focusing on cross-scale interactions** (e.g., from local to global) is eligible.

The following criteria must be met through for all contributions to be considered for the Frontiers Planet Prize:

- The research should clearly contribute to solutions for humanity's ability to navigate the future of the world on planet Earth in the Anthropocene.
- The research must explicitly (analytically) connect (explore implications) to one or several Planetary Boundaries at the Earth system scale (global scale).
- While research can be focused on single planetary boundaries, or single human dimensions of how to develop within a stable and resilient planet, research that explores interactions/relations between at least two or more planetary boundaries should be prioritized.
- Social science contributions are eligible if they emerge from a clear understanding of all the planetary boundaries and their scientific challenges (i.e., reducing risks in the Anthropocene, bending the global curves in the Great Acceleration, avoiding loss of life support systems and crossing tipping points).



## Jury Mandate

The Frontiers Planet Prize jury decides independently upon the winners of the National competitions and the three international winners.

This means that the Jury has two main tasks:

1. After receiving the three nominations from each national competition, the Jury will vote for one leading scientist in each country ("National Champion").
2. From among the "National Champions" the Jury will select three "International Champions".

The Jury will work as an independent community of scientists.

In case of conflicts of interest, jury members will be asked to declare their conflict and abstain during any proceedings related to a specific contribution.