



frontiers
research foundation

frontiers  **planet prize**

MOBILIZING SCIENCE FOR A GLOBAL GREEN RENAISSANCE

The Frontiers Planet Prize is a unique, global science competition that recognizes exceptional scientists who deliver breakthrough, scalable solutions for living healthy lives, on a healthy planet.



Each year, **3 prizes**
of **\$1 million US**
are awarded to the **three**
international champions



The Frontiers Planet Prize identifies



National Champions from
each participating country

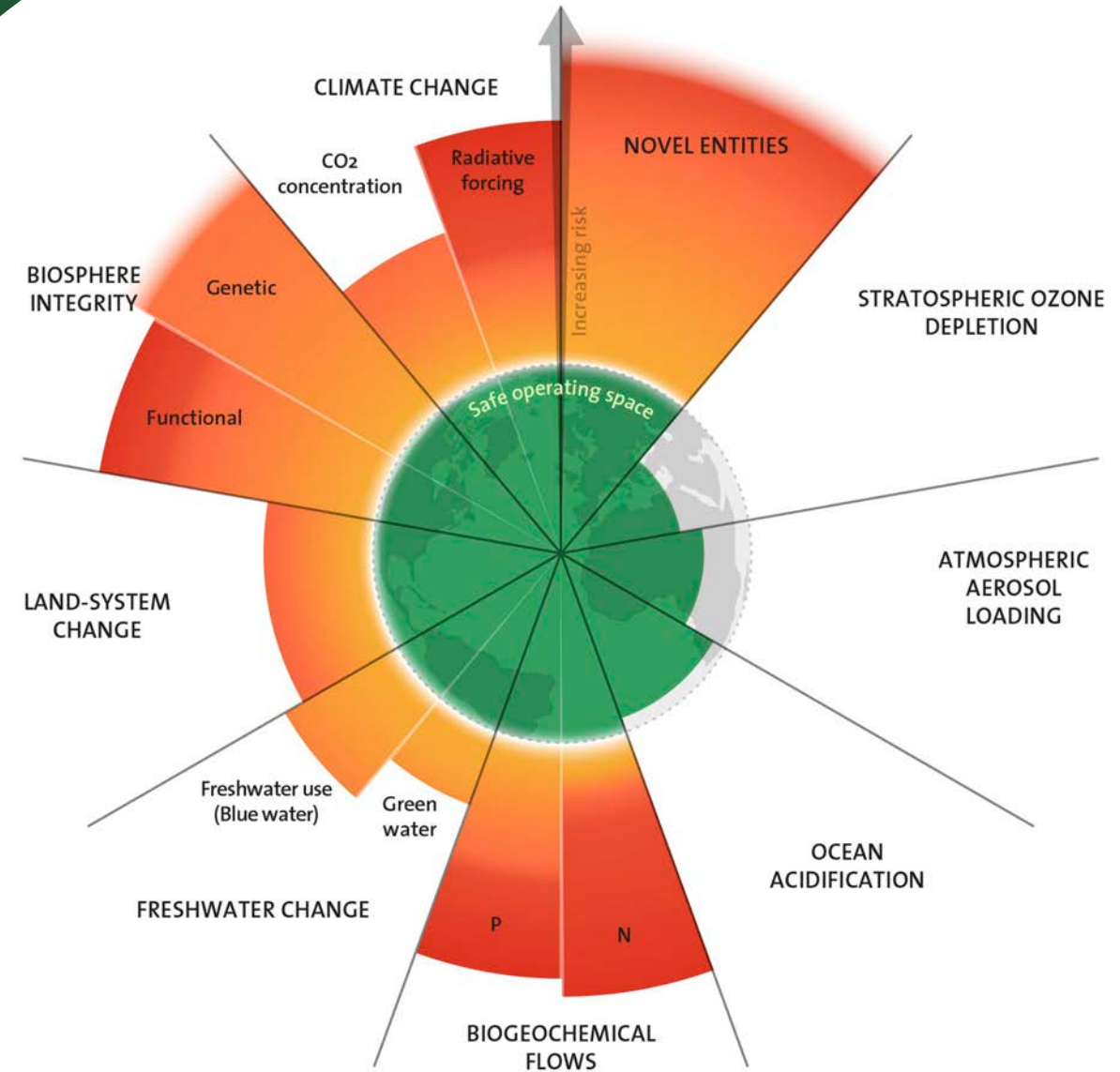
International Champions
awarded **\$1 million USD**
for their solutions

Planetary boundaries

Transgressed boundaries:

1. Biogeochemical flows
2. Biosphere integrity
3. Climate Change
4. Freshwater use
5. Novel entities
6. Land-system change

Sources: Updated Planetary Boundaries. The 2023 update to the Planetary boundaries. Licensed under CC BY-NC-ND 3.0. Credit: "Azote for Stockholm Resilience Centre, based on analysis in Richardson et al 2023"





frontiers
planet prize

Frontiers Planet Prize: Our mission

Mobilizing

The entire academic ecosystem, including universities, research institutions and national academies to join forces and find solutions

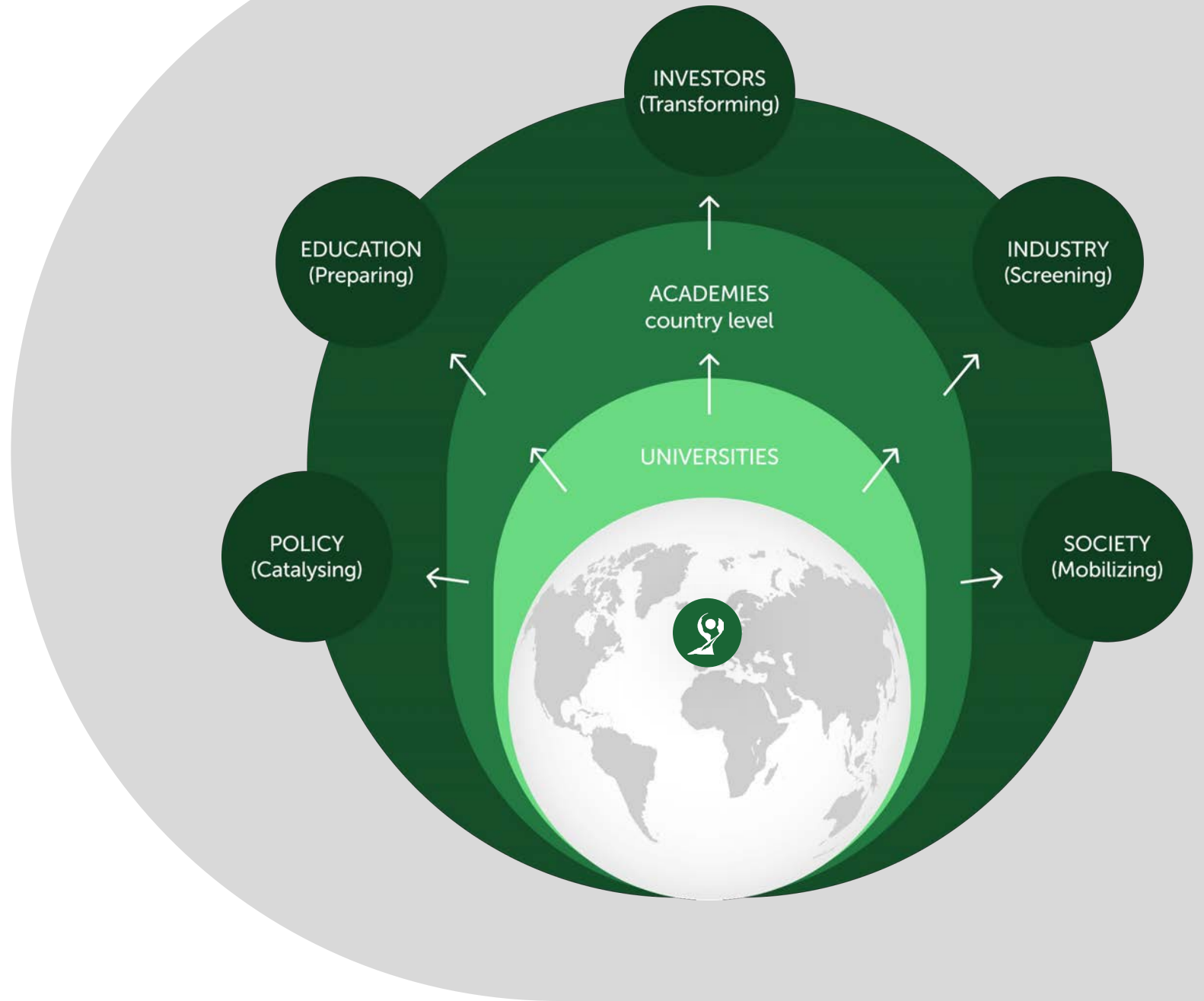
Igniting

An international competition that accelerates scientific breakthroughs in planetary boundary science worldwide

Catalysing

The adoption of scientific breakthrough by public and private stakeholders.

And what
are we
going to
achieve?



The nomination community

A unique mechanism
Highlighting the best
mission-driven science
nominated by world-
leading institutions



A unique mechanism Highlighting the best mission-driven science nominated by world- leading institutions

233
institutions
1st edition



475
institutions
2nd edition



610
institutions
3rd edition





KVAB
Royal Flemish Academy of Belgium
for Science and the Arts



ACADÉMIE ROYALE
DES SCIENCES, DES LETTRES ET DES BEAUX-ARTS
DE BELGIQUE



ÖAW

AUSTRIAN
ACADEMY OF
SCIENCES



**ACADEMIA NACIONAL
DE CIENCIAS**



EXPLORE | DISCOVER | SHARE



**The African
Academy of Sciences**



TÜRKİYE BİLİMLER AKADEMİSİ
TURKISH ACADEMY OF SCIENCES



**HUNGARIAN
ACADEMY
OF SCIENCES**



RSC SRC



**Pacific
Academy
of Sciences**



**Australian
Academy of
Science**



berlin-brandenburgische
AKADEMIE DER WISSENSCHAFTEN



**ACADEMIA COLOMBIANA
DE CIENCIAS EXACTAS,
FÍSICAS Y NATURALES**



**ACADEMIA
BRASILEIRA
DE CIÊNCIAS**



中国科学技术协会
China Association for Science and Technology



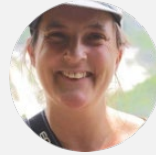
NATIONAL ACADEMY OF SCIENCES

Undisputed excellence

The Jury of 100
led by Chair:
Prof Johan Rockstrom



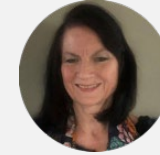
Johan Rockström



Prof Katharine
Abernethy



Prof Priyanga
Amarasekare



Prof Angela Arthington



Prof Xuemei Bai



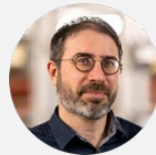
Prof Govindasamy Bala



Dr Elena Bennett



Prof Mercedes
Bustamante



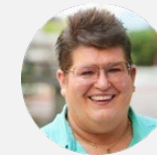
Prof Wouter Buytaert



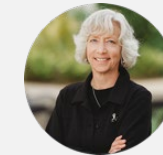
Dr Stephen Carpenter



Prof Matthew Collins



Prof Robin Craig



Prof Gretchen Daily



Prof Wim de Vries



Prof Daniel Esty



Prof James Evans



Dr Mariele Evers



Dr Richard Florizone



Prof Carl Folke



Prof Hayley Fowler



Prof Pierre Friedlingstein



Prof Andrew Haines



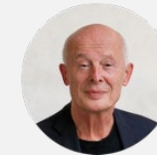
Dr Shakuntala
Haraksingh Thilsted



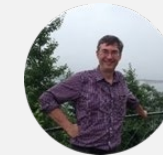
Prof Bronwyn Hayward



Prof Terry Hughes



Prof Hans J.
Schellnhuber



Prof Kevin Jones



Prof Sirkku Juhola



Prof Louis Kotzé



Prof Praveen Kumar



Ms Rachel Kyte



Prof Rattan Lal



Dr Miriam L. Diamond



Prof Eric Lambin



Prof Tim Lenton



Our advisory board



Peter
Gluckman



Sybil
Seitzinger



Jakob
Lundberg



Lise Korsten



Lee
Howell



Ian Miller



The prize mechanics

Mechanics

An “Olympic” race for solutions



Foundation

NNBs
National Nominating Body

NRBs
National Representative Body

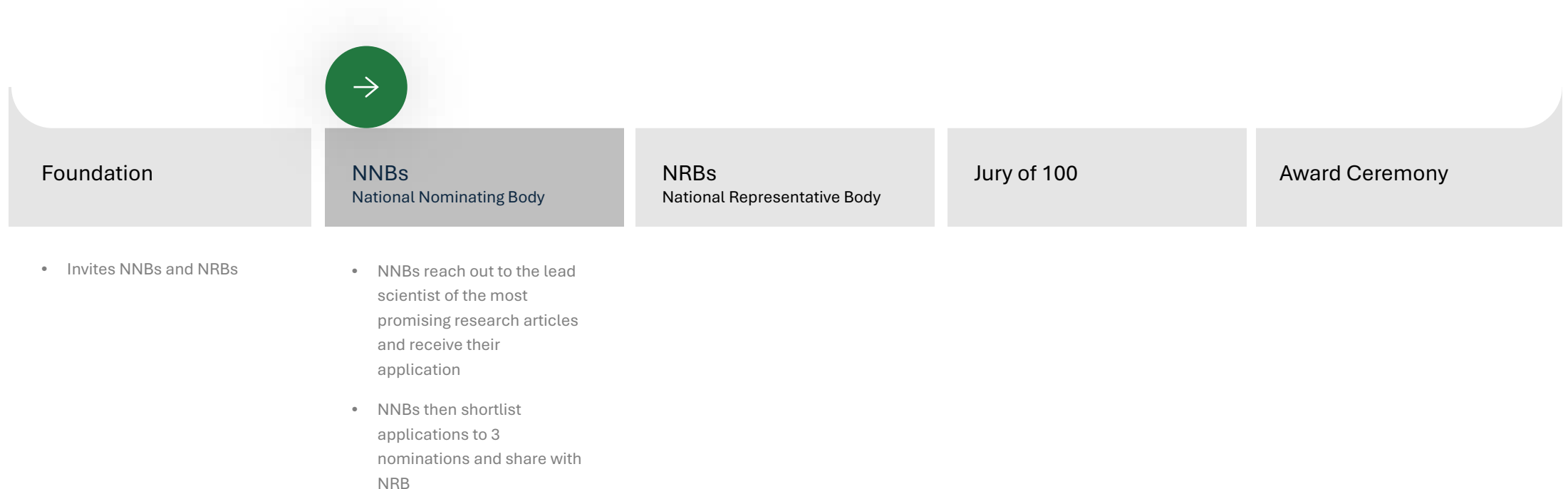
Jury of 100

Award Ceremony

- Invites NNBs and NRBs

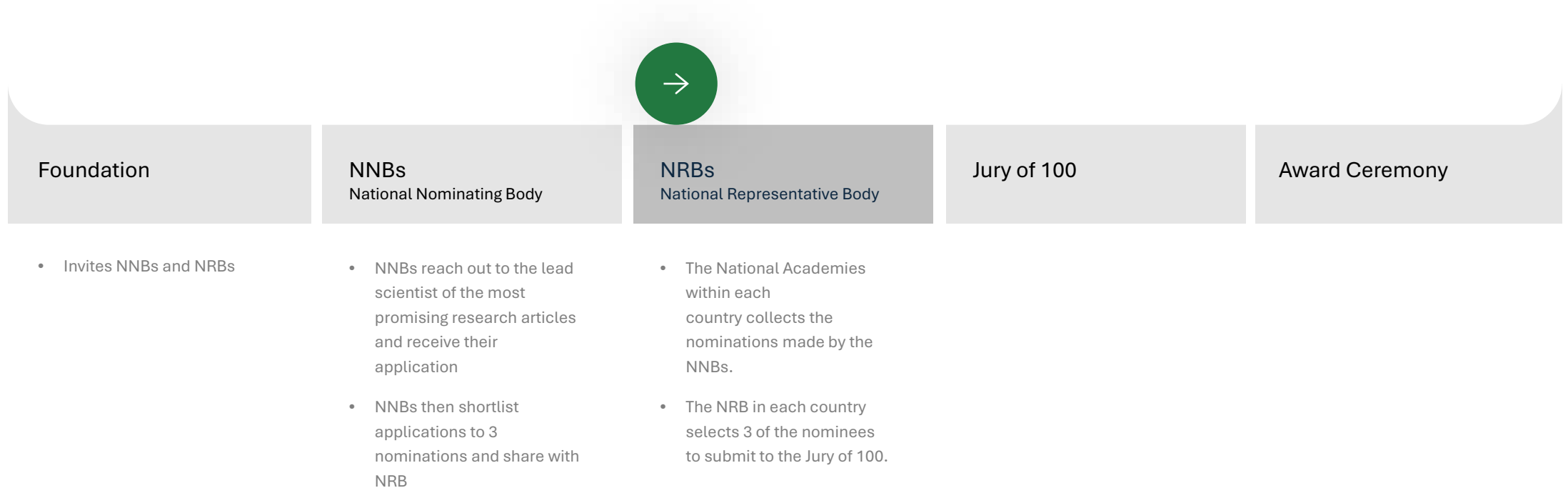
Mechanics

An “Olympic” race for solutions



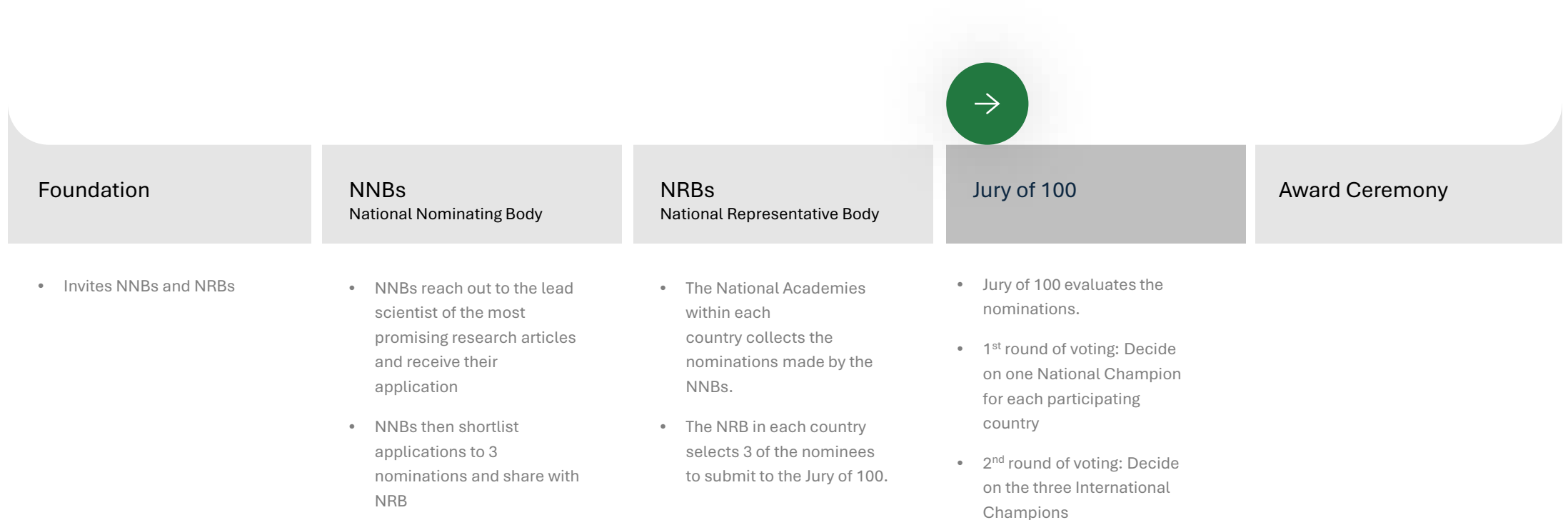
Mechanics

An “Olympic” race for solutions



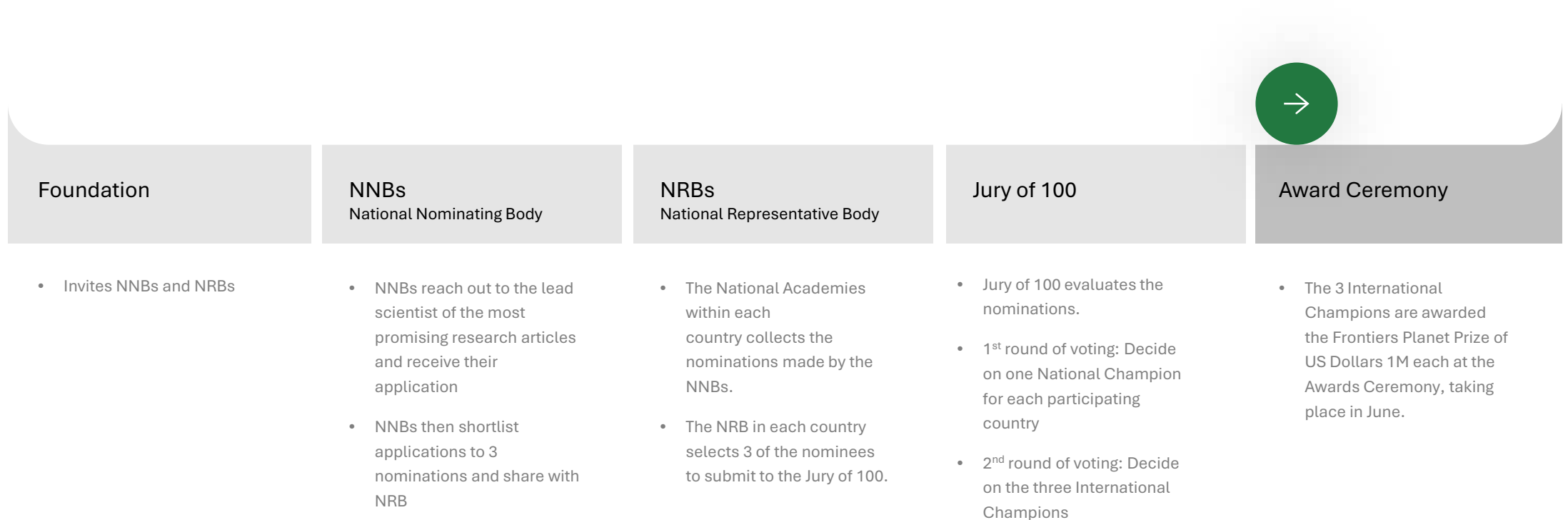
Mechanics

An “Olympic” race for solutions



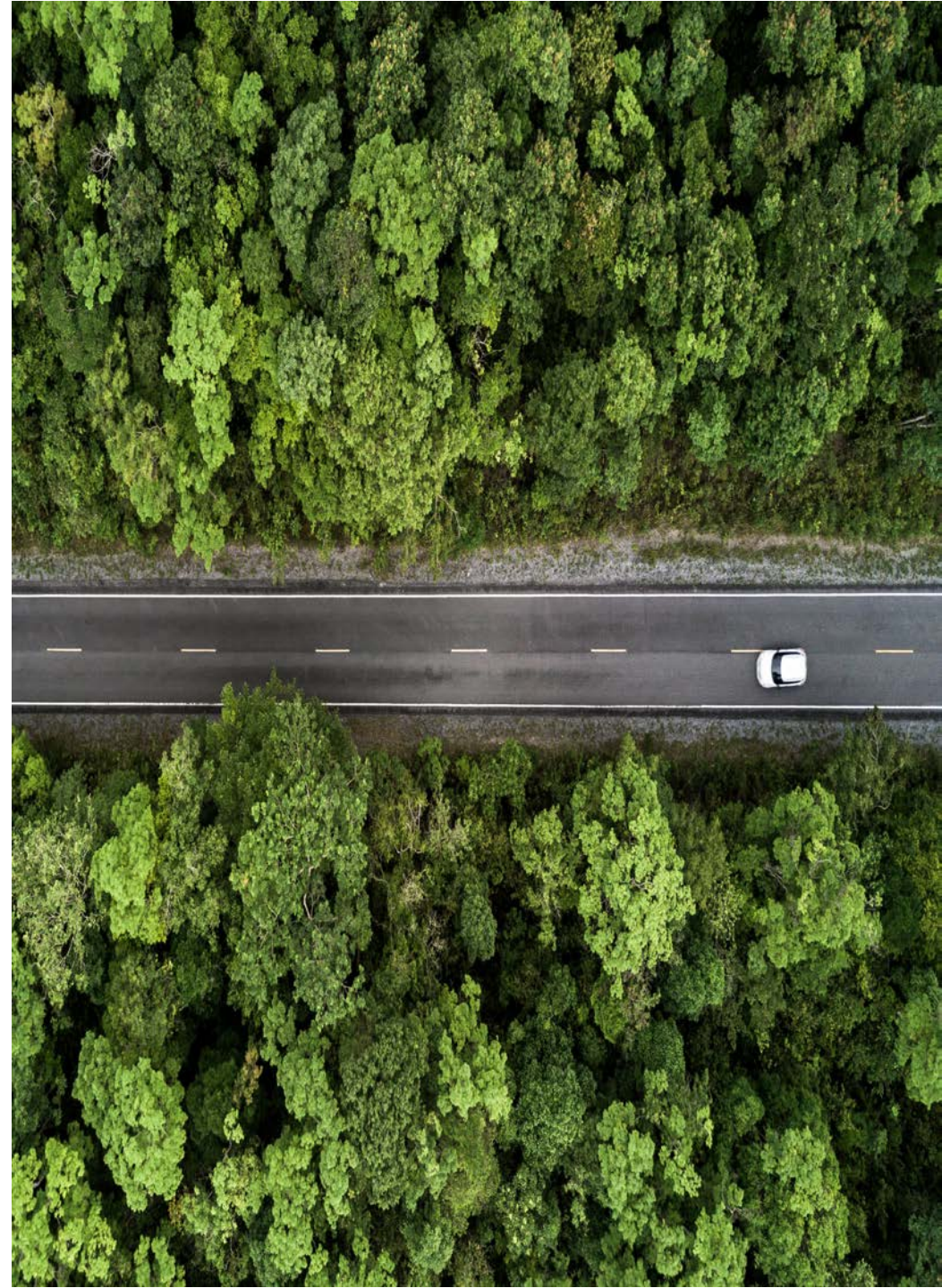
Mechanics

An “Olympic” race for solutions



The criteria

- The Frontiers Planet Prize will be awarded to the best research published in established peer-reviewed scientific journals, with robust peer review and transparent publication procedures.
- Acceptance date of the article: 1st November 2023 to 31 October 2025
scientific excellence is the default principle to participate in the Frontiers Planet Prize
- We welcome breakthrough science across all disciplines on condition it is focused on Planetary Boundaries and presents original research findings or insightful reviews and syntheses .



The criteria

The Frontiers Planet Prize wants to honor:



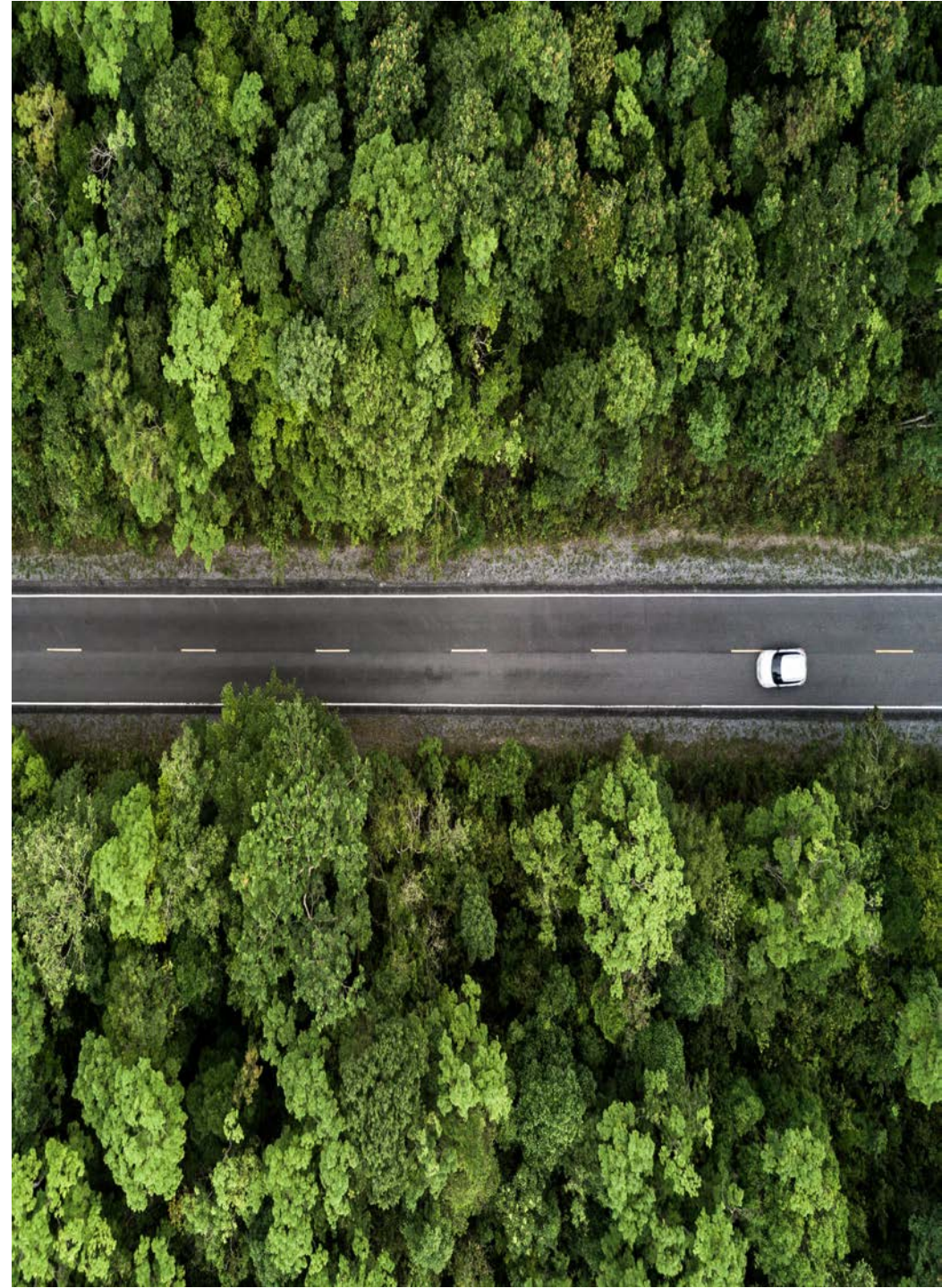
The research outlines actionable solutions or pathways that can be implemented in policies, adapted commercially, or otherwise contribute to keep global development within planetary boundaries.



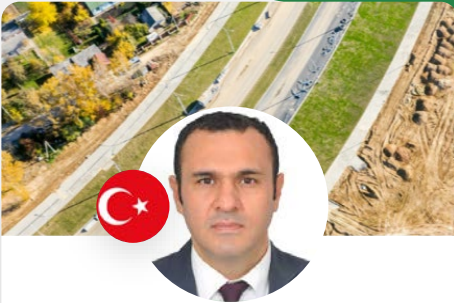
The research advances the scientific understanding and quantification of planetary boundaries. It explores how planetary boundaries are affected or impact life support systems/the Earth system or investigates the implications of adopting planetary boundaries thinking across disciplines, sectors and activities/applications



The research must connect to several planetary boundaries at the Earth system scale. Research that explores interactions/relations between multiple Planetary Boundaries will be prioritized.



Transformational science : Breakthrough research from our National Champions



Turkey
Mustafa
Sahmaran

Developed a novel chemical process that enhances cement carbonation and offsets its production emissions



Japan
Jian Feng Ma

Engineered rice capable of growing in polluted environments



USA
Edward Kolodziej

Identified toxic compound in tyres that leaches in rivers and impacts aquatic ecosystems



South Africa
Petra Holden

Determined which invasive species should be removed to reboot biodiversity and restore freshwater systems



China
Baojing Gu

Reduced ammonia emissions from fertilizer production, which reduces air pollution in cities

Transformational science : Breakthrough research from our National Champions



South Africa
Petra Holden

Determined which invasive species should be removed to reboot biodiversity and restore freshwater systems



China
Baojing Gu

Reduced ammonia emissions from fertilizer production, which reduces air pollution in cities



Denmark
Minik Rosing

Revealed the potential of spreading powdered volcanic rock on agricultural lands to enrich soil nutrients



Netherlands
Paul Behrens

Showed how adoption sustainable dietary practices such as reducing meat consumption, mitigates climate change



Argentina
Pedro Jaureguiberry

Conducted an assessment thzat showed 60% of biodiversity loss is driven by land use change.

Outputs of the third edition



Dr Rafael Pedro Fernandez
Instituto Interdisciplinario
de Ciencias Básicas
(ICB-CONICET)



Dr Arunima Malik
The University of Sydney



Prof Dr Günter Blöschl
Vienna University
of Technology



Dr Suzanne Tank
University of Alberta



Prof Xing Yuan
Institute of Atmospheric
Physics, Chinese
Academy of Sciences



Prof Dr Robert Arlinghaus
Leibniz Institute
of Freshwater Ecology
and Inland Fisheries



Dr Uria Alcolombri
The Hebrew University
of Jerusalem



Dr Giovanni Forzieri
University of Florence



Dr Paola Laurino
Okinawa Institute
of Science and Technology



Dr Kok Sin Woon
Xiamen
University Malaysia



Dr Fabiola S. Sosa-Rodriguez
Metropolitan
Autonomous University



Prof Sjak Smulders
Tilburg University



Dr Sebastian Steibl
University of Auckland



Dr Nicoletta Makowska-Zawierucha
Adam Mickiewicz
University



Prof Carlos Manuel Duarte Quesada
King Abdullah University
of Science and Technology



Prof Zahra Kalantari
KTH Royal Institute
of Technology



Prof Shabbir Gheewala
King Mongkut's University
of Technology Thonburi



Dr Marina Romanello
University College London



Dr Zia Mehrabi
University
of Colorado Boulder

The Frontiers Planet Prize: We have achieved a lot



10'000+ participating scientists



43 National Champions



7 International Champions



\$6.6 Million to support their research



620 Participating universities



25 National Academies



6 Strategic Partners



100 Globally recognized top scientists on Jury



560+ Media pickups covering the prize



50+ countries with media pickup



299 Policy documents citing Champion work

Timeline and Next Steps

Timeline

Registration

The NNB and NRBs register with the Frontiers Planet Prize



Now

Application

NNB reaches out to lead scientists of most promising research articles and invites them to apply



April
–
October

NNB nomination

Each NNB submits 3 Nominations to their NRB



1st
November

NRB nomination

Each NRB submits 3 National Nominations to the Jury



1st
December

Jury evaluations

The Jury reviews the applications and votes to select the National and International Champions



December
–
February
2026

Announcement

The National Champions are announced publicly on Earth Day



22 April
2026

Award Ceremony

The official announcement of the International Champions is made during the Award Ceremony taking place in Switzerland 2026 Spring



June
2026

What are the next steps?

If you represent an institution...

1

Register on our platform to formalize your participation as a National Nominating Body.

2

Nominate the **lead scientists** of the most promising research articles of your institution that have been accepted for publication between 1st November 2023 and 31st October 2025

Who is the **lead scientist**?

The lead scientist best represents the research of the published article

In the event that the individual is awarded the International Champion, they will manage the prize money to drive the project forward.

The lead scientist is selected directly by the NNB. Being a lead scientist is not based on the hierarchical position of the author

3

Invite them to apply by filling out the application form attached in the resource hub, also attaching a PDF of the published article by a deadline set by you.

4

Review the applications, select the top three and share with your NRB.

What are the next steps?

If you are a scientist



1

Check if your institution is registered as a National Nominating Body by visiting the [Frontiers Planet Prize website -> nomination partners](#)

2

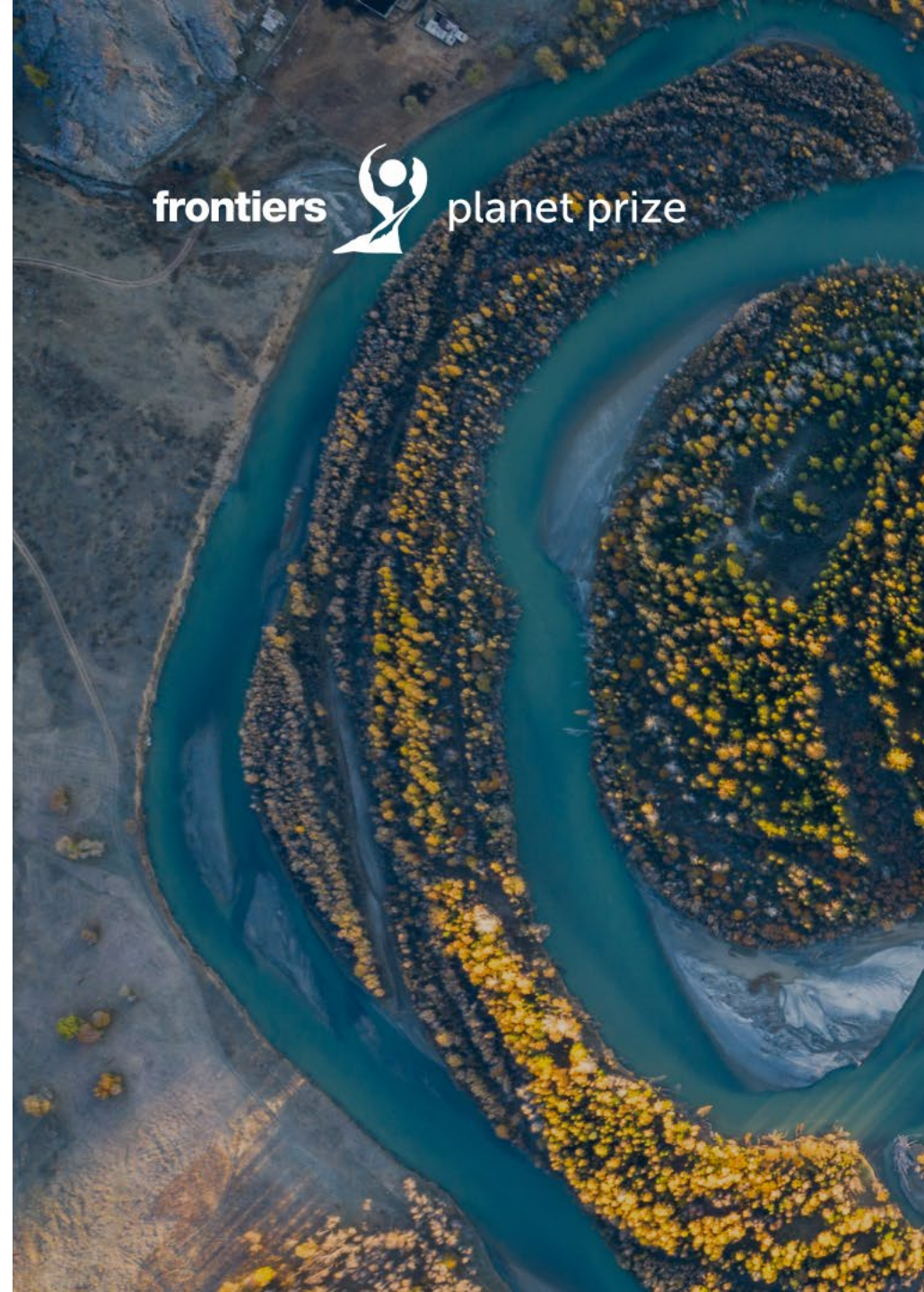
- Should your institution be registered, and you do not know the point of contact for managing awards and prizes, get in touch with info@frontiersplanetprize.org and we will direct to you the point of contact.
- Should your institution not be registered, reach out to info@frontiersplanetprize.org and we will issue an invitation to have your institution to participate.

3

Once registered, your institution will receive the application form, all information and process for them to be a national nominating body

4

Follow their process to get your application submitted. Note that your institution will be responsible for nominating the top 3 applications they receive, to put forward to their National Representative Body.



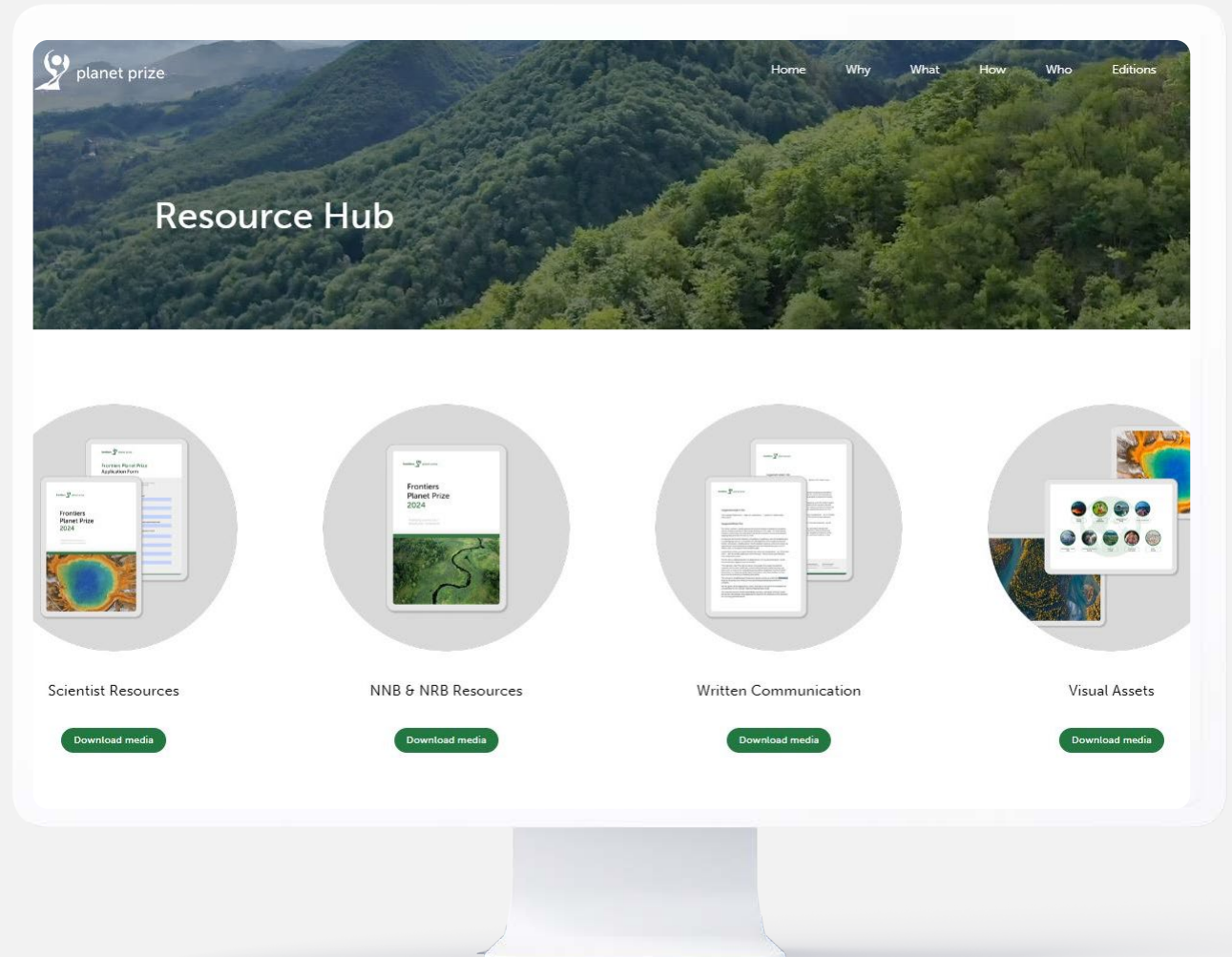
The Resource Hub

Scientist Resources →

NNB & NRB Resources →

Written Communication →

Visual Assets →



Why your participation matters:

- The prize collapses the timeline to achieve scientific consensus, allowing the fast take up of transdisciplinary research
- The prize money is used specifically to scale up and amplify the impact of breakthrough research
- The prize is a movement: it mobilizes the academic community and gives science a voice to drive positive change.

The Green Renaissance will not happen without your participation.



The foundation
facilitates the prize,
the world of science
owns it



[linkedin.com/company/frontiers-planet-prize](https://www.linkedin.com/company/frontiers-planet-prize)



Frontiersplanetprize.org



Prof Dr Jean-Claude Burgelman
Director

jean-claude.burgelman@frontiersplanetprize.org



Dr Gilbert De Gregorio
Associate Director

gilbert.degregorio@frontiersplanetprize.org