

GERMAN – JAPANESE ACADEMIA-INDUSTRY INTERNATIONAL COLLABORATION PROGRAM ON SUSTAINABLE HYDROGEN SOCIETY:

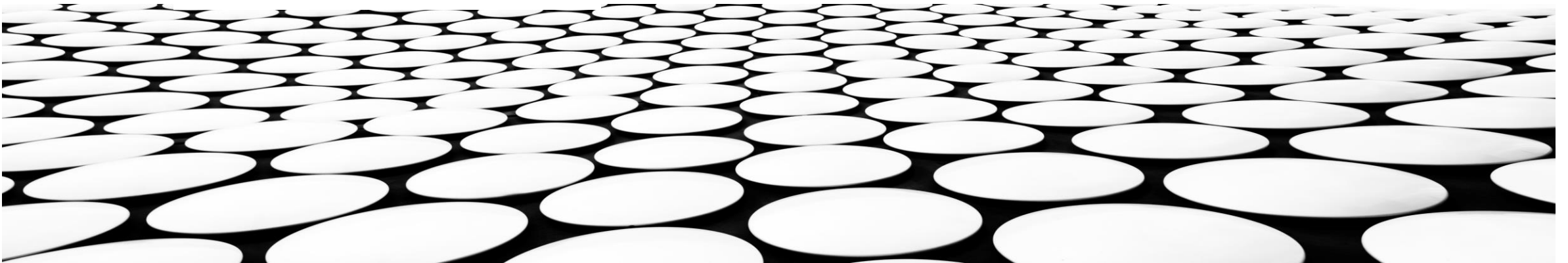
TECHNICAL, ENVIRONMENTAL, ECONOMIC AND SOCIAL ANALYSES



Federal Ministry
of Research, Technology
and Space



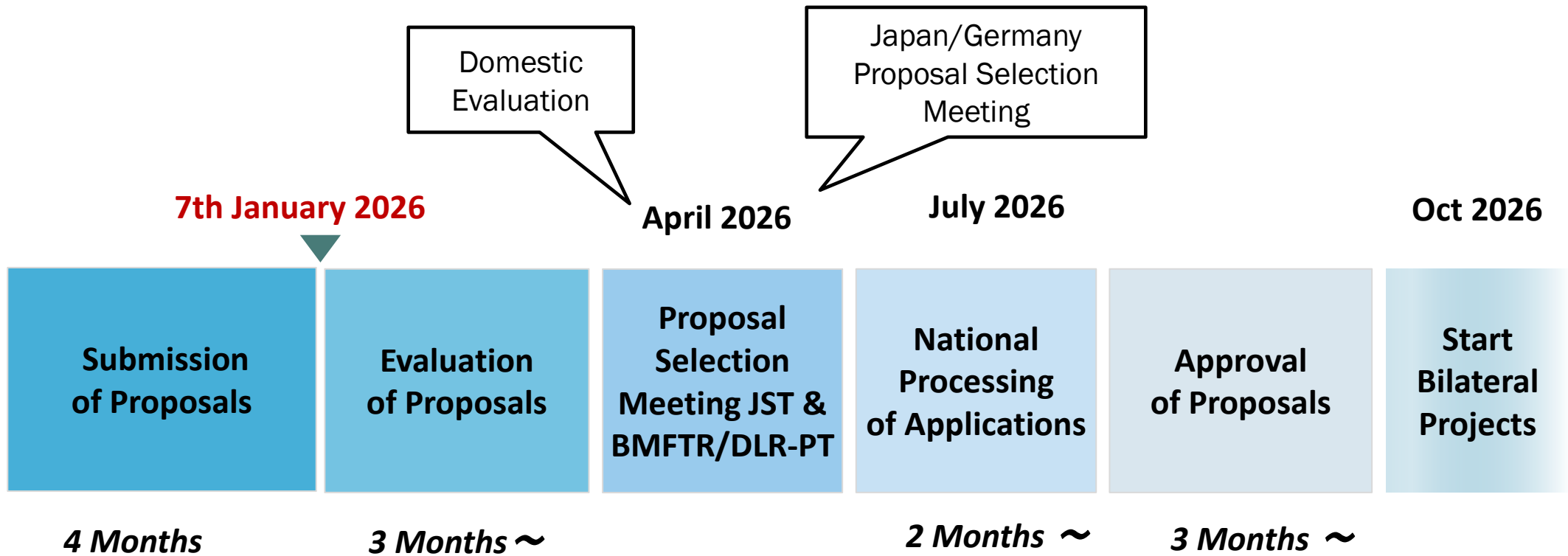
科学技術振興機構
Japan Science and Technology Agency



BACKGROUND AND PURPOSE OF THE CALL

- Germany and Japan are **leaders in hydrogen R&D** and are transforming their energy systems to address climate change and industrial development.
- This joint call supports research that **enhances understanding and integration of hydrogen technology** in both countries' energy systems and societies.
- The aim is to **enable collaboration** between academia and industry to create realistic approaches for a sustainable hydrogen society.

TIMELINE OF APPLICATION AND EVALUATION



SCOPE OF THE CALL

- Targeting **technical, environmental, economic, and social analyses** for a sustainable hydrogen society in Germany and Japan.
- Projects must involve bilateral collaboration and address:
 - Integration of hydrogen technologies **into smart energy systems** (sector coupling, multi-energy systems).
 - Use of hydrogen **in hard-to-abate sectors** (e.g., steel, chemicals, ceramics) that cannot easily be electrified.
 - **Techno-economic analyses** of hydrogen technologies and **analysis of social acceptability** of hydrogen technology use.
 - Scenarios for effective **development of the transition** to a hydrogen society.
 - **Life cycle assessments** of technologies for smart energy systems including hydrogen production, synthesis, storage, and utilization toward sustainability.

FUNDING RECIPIENTS

- **German side:** Universities, non-university research institutions, and companies with a presence in Germany; particularly SMEs.
- **Japanese side:** Independent researchers affiliated with domestic research institutions (universities, public research bodies, private enterprises etc.).
- Both sides must meet **national eligibility requirements**; details provided via respective ministry/journal websites.

SPECIAL PREREQUISITES FOR FUNDING

- Joint applications are required; partners from both Germany and Japan must form a **consortia**.
- Participation of both **academia and industry** is highly encouraged on both sides.
- Written **collaboration agreements** between partners must be in place in the beginning of the funding phase.
- Applicants must document the potential for **sustainable cooperation** and agree to participate in evaluations and provide required information.
- Each partner's eligibility will be checked according to their country's specific rules and guidelines.



TYPE, SCOPE, AND AMOUNT OF FUNDING

- Non-repayable grants covering staff, equipment, travel, workshops, patents, and scientific communication.
- **German side:** Up to € 600,000 per project over 36 months; commercial companies up to 50% cost coverage.
- **Japanese side:** Up to 46.8 million yen including overheads over 36 months; companies expected to cover at least 50% via own funding.
- Detailed financing rules and eligible costs specified in respective national guidelines.



APPLICATION FORM

Joint project description (max 12 pages excluding annex), collaboratively prepared by all partners - must **follow provided templates strictly** and **be submitted with identical content on both sides**

Required content:

- Basic information (project title, partners, summary).
- Project Description, Originality and Excellence of the Proposal, Objectives and Comprehensive Description of Work Plans
- Expected Impact and Sustainability of Research Results
- Research Budget Plan for each side, Funding Justification
- Overall Project Organization
- Annexes



EVALUATION PROCESS

Proposals are peer-reviewed by expert panels in both countries.

Evaluation criteria:

- Relevance to the call's purpose and expected results.
- Originality and research excellence.
- Well-defined research objectives, work plans, budget, and sustainability of results.

Additional Criteria:

- Suitability of project organization and management.
- Experience and ability of the research team, as well as the added value of international cooperation.
- Potential scientific, economic, and societal impact.

CONTACTS

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