**Project Application Form for the 2026 Belt & Road and BRICS Competition of Skills Development and Technology Innovation**

**Brazil, Russia, South Africa, ASEAN countries, the Middle East, Central Asia, and China**

**April to December 2026**

Guidelines for participation

- Acceptance of the Rules and Results
  - Submission of this form by the Project Coordinator implies full agreement with the selection and judging rules established by the event, as well as with the results announced by the Judging Committee.
  - No appeal or questioning will be accepted after the results have been announced.
- Data Processing
  - The data provided will be used exclusively for the purposes of evaluating and organizing the event, in accordance with the Chinese Data Protection Laws and Regulations.
  - By applying, the person responsible agrees to the storage and processing of the information provided, respecting the principles of confidentiality and legitimate purpose.
- Public Disclosure of Projects
  - The registered projects may be presented publicly in different formats (e.g., prototypes, videos, banners, presentations, etc.).
  - The General Coordination of the event is not responsible for any unauthorized copies, reproductions or misuse of projects that are not properly protected by intellectual property mechanisms (patents, trademarks or copyright).
  - It is recommended that participants ensure the legal protection of their creations before submitting.
- Responsibility of the Project Coordinator
  - The Project Coordinator declares to be aware of and in agreement with all the conditions above, assuming full responsibility for the information provided and for the project's compliance with the rules of the event.
- This competition is organized and located 200% across multiple regions from April to December 2026.

**By checking this box, you confirm that you have read, understood, fully accept and agree with these guidelines.**

☐

**Project Name:**

Type project name here. Be concise and clear.

**Project Organization:**

Type name of organization your project represents. Use full name without initials.

**Primary Contact Name:**

Type name of project primary contact person. Use real and full name without initials or pronouns.

**Email:**

Type email of project primary contact person. Use active email address.

**Track:**

One track can be selected only and cannot be changed later. See "Track List" for more details.

## I. English Description of the Project:

Type a clear and concise description of your project in English. Use descriptive terms. Max. 600 words

## II. Chinese Description of the Project (Optional):

If available, Type a clear and concise description of your project in Simplified Chinese. Use descriptive terms. Max. 500 characters.

## III. Core Technologies or Critical Solutions for Future Technologies: Key Performance Indicators:

State core and future tech performance metrics. Max. 1000 words.

## IV. Innovations and Distinctive Features:

Explain project innovations and distinctive features, including intellectual property-related. Max. 800 words.

## V. Project Application Prospects:

Outline potential real-world uses, scalability, industry impact, and future benefits of the proposed innovation. Max. 800 words.

## VI. Feasibility and Implementation Plan:

Demonstrate project practicality with clear steps, resources, timelines, and strategies for successful execution. Max. 1000 words.

## VII. Social Significance and Industrial Value for BRICS Countries:

Highlight societal benefits and economic contributions, addressing shared challenges and industrial growth across BRICS nations. Max. 800 words.

## 1. Videos, pictures or any other demonstration materials:

Large materials, if there are any, might need to be handed to the local host organization.

**Track list**

| No. | Track Name | Bench-marking against the Global Sustainable Development Goals (SDGs) | Track Introduction |
|---|---|---|---|
| 1 | **Intelligence advanced manufacturing** | **Target 9** (Industry, innovation and infrastructure), **Target 12** (Responsible consumption and production) | Centered on the convergence of next-generation industrial intelligence and low-carbon development, this initiative covers core areas including digital twin smart factories, industrial humanoid robots, additive manufacturing, micro/nano manufacturing, and intelligent production line optimization. It encompasses innovative applications such as green low-carbon production processes, industrial waste heat recovery, component re-manufacturing, and cross-border supply chain coordination technologies. By leveraging technological empowerment, it enhances production efficiency, reduces resource consumption, strengthens the resilience of industrial and supply chains, and drives high-quality upgrades in the industrial system. |
| 2 | **Digital Health and Healthcare** | **Target 3** (Good health and well-being), **Target 10** (Reducing inequalities) | Focusing on the needs of comprehensive health coverage and equitable distribution of Healthcare resources, this initiative encompasses multiple dimensions including: Healthcare data interoperability platforms, remote intelligent diagnosis and treatment systems, portable disease detection devices, public health emergency response systems, and low-cost bio-pharmaceutical R&D. It includes AI-assisted diagnosis, genetic testing, digital health management tools, and cross-border Healthcare collaboration solutions, aiming to promote the extension of Healthcare services to grassroots levels, enhance public health protection capabilities, and improve the response capacity to public health emergencies. |
| 3 | **Green Energy and Carbon Neutrality** | **Target 7** (Affordable clean energy), **Target 13** (Climate action) | Focusing on the entire clean energy transition and low-carbon development chain, this initiative covers the development and utilization of clean energy sources such as solar, wind, and hydrogen, along with core areas including new energy storage technologies, smart grid construction, and cross-regional energy allocation systems. It encompasses carbon footprint tracking and accounting in industries like manufacturing, construction, and transportation, carbon capture and utilization technologies, and green energy alternatives. These efforts aim to build a secure, efficient, and low-carbon regional energy cooperation network, contributing to global carbon neutrality goals. |
| 4 | **AI-Integrated Applications** | **Target 9** (Industry, innovation and infrastructure), **Target 11** (Sustainable cities and communities) | We focus on the large-scale implementation of AI technologies in real-world scenarios, covering core technologies such as deep learning, natural language processing, multimodal intelligence, and generative AI. This includes innovative solutions for sectors like manufacturing, agriculture, energy, urban governance, finance, and education, as well as AI model development for low-computing-power scenarios, cross-border AI collaboration applications, and AI security and ethical standards. These efforts aim to drive deep integration of intelligent technologies with industries and unleash their innovative potential. |
| 5 | **Virtual Simulation and Metaverse** | **Goal 4** (Quality education), **Goal 9** (Industry, innovation and infrastructure) | Centered on practical innovations in virtual simulation and metaverse technologies, this initiative covers core areas including virtual reality (VR), augmented reality (AR), mixed reality (MR), digital twins, and metaverse platform development. It encompasses industrial design simulation, digital replication of engineering scenarios, immersive vocational training, cross-border remote R&D collaboration, metaverse industry applications, and digital cultural tourism innovations. By leveraging virtual technologies to reduce practical costs and |

| | | | |
|---|---|---|---|
| | | | enhance R&D efficiency, it drives the digital transformation of education and industries. |
| 6 | **Digital Agriculture and Food Security** | **Target 2** (Zero Hunger), **Target 9** (Industry, Innovation and Infrastructure) | To meet the demands of agricultural modernization and food security, this initiative covers core sectors including precision farming equipment, agricultural IoT systems, smart irrigation technologies, agricultural robotics applications, and climate-adaptive cultivation solutions. It encompasses big data analytics in agriculture, blockchain-based traceability for agricultural products, optimization of cross-border agricultural logistics, intelligent monitoring and control of pests and diseases, as well as grain storage and preservation technologies. By leveraging digital empowerment, it enhances agricultural productivity and risk resilience, ensuring stable food supply. |
| 7 | **Aerospace Information and Communication Technology** | **Target 9** (Industry, innovation and infrastructure), **Target 11** (Sustainable cities and communities) | The initiative focuses on building integrated space-air-ground information networks and applying cutting-edge technologies, covering core areas such as satellite communications and remote sensing, low-orbit satellite constellations, unmanned aerial systems, 5G/6G wireless communications, quantum communications, and geographic information systems (GIS). It provides space-air information services for transportation, energy, agriculture, and emergency management, while establishing cross-border communication networks, developing spatial data sharing platforms, and innovating applications for the low-altitude economy. These efforts drive the digital transformation of infrastructure and facilitate international technological collaboration. |
| 8 | **Smart Governance and Public Administration** | **Target 11** (Sustainable cities and communities), **Target 16** (Peace, justice and strong institutions) | Centered on modernizing public administration and enhancing service efficiency, this initiative covers core domains such as digital government service platforms, cross-regional administrative collaboration systems, intelligent decision-support tools, and digitalized livelihood service ecosystems. It includes multilingual government service solutions, cross-border public affairs collaboration mechanisms, smart emergency management platforms, digital tools for grassroots governance, and technical support for equitable public service delivery. By leveraging technological empowerment, it optimizes governance processes, elevates public service quality, and enhances the efficiency of international collaboration. |
| 9 | **Ecological Protection and Resilient Cities** | **Target 11** (Sustainable cities and communities), **Target 15** (Terrestrial life) | Centered on ecological sustainability and urban resilience enhancement, this initiative covers core areas including digital twin-based resilient city planning, urban solid waste recycling, desertification control technologies, biodiversity monitoring systems, and ecological restoration solutions. It also encompasses cross-regional ecological protection collaboration platforms, intelligent environmental monitoring devices, low-carbon city construction technologies, and disaster early warning and emergency response systems. These efforts promote harmonious coexistence between humans and nature while strengthening the sustainable development capabilities of both urban and ecological systems. |
| 10 | **Future Frontier Technology Exploration** | **Target 9** (Industry, Innovation and Infrastructure) | The initiative focuses on cutting-edge technological innovations with forward-looking, revolutionary, and disruptive potential, encompassing interdisciplinary and cross-sector technologies not yet covered by existing fields. Key areas include quantum computing, biomanufacturing, novel functional materials, brain-computer interfaces, controlled nuclear fusion technologies, and innovative applications across disciplines. It encourages original research and exploration of future technologies to help secure a leading position in global technological competition and build technological reserves for the future development of BRICS countries. |