

Subject: Invitation to “Nuclear for a Better Life” - A China side event in Parallel with INAC 2024

On the occasion of the **11th International Nuclear Atlantic Conference - INAC 2024** to be held from May 6 to May 10, 2024, in Rio de Janeiro, Brazil, China National Nuclear Corporation (CNNC) and the Associação Brasileira de Energia Nuclear (ABEN) will co-organize a China side event, themed “Nuclear for a Better Life”, where nuclear technology innovation and industrial development experience will be shared and discussed. For deepening mutual understanding in the nuclear sector, all attendees are welcome to discuss joint development and share recent progress and perspectives in terms of the peaceful use of nuclear energy.

The tentative agenda is as below:

Time: 9:00 - 13:00, May 6, 2024

Location: Petrópolis B/C, Hilton Rio de Janeiro Copacabana (Av. Princesa Isabel, 1020)

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| 08:30-09:00 | Registration |
| Part I - Opening Session | |
| 09:00-09:30 | <ul style="list-style-type: none"> • China National Nuclear Corporation (CNNC) • Brazilian Association of Nuclear Energy (ABEN) • China Atomic Energy Authority (CAEA, on line) • National Nuclear Energy Commission (CNEN) • Chinese Consulate-General in Rio de Janeiro |
| Part II - Sharing Forum | |
| 09:30-11:00 | <ul style="list-style-type: none"> • An Overview of Nuclear Activity in Brazil (ABEN) • Nuclear Power Development in Brazil (Eletronuclear) • Nuclear Development in China and CNNC's Integrated Solutions (CNNC-CNOS) • Rapid Development of Advanced Nuclear Reactors and Small Modular Reactors (CNNC-NPIC) • Specialized Multi-Reactor Operation and Maintenance System of CNNC (CNNC-CNNP) • Q&A |
| 11:00-11:15 | <ul style="list-style-type: none"> • Coffee break |
| 11:15-12:45 | <ul style="list-style-type: none"> • Nuclear fuel cycle and fuel element production (CNNC-CNEIC) • AMAZUL scope on the Nuclear Technology Applications at the Brazilian Nuclear Program (AMAZUL) • Progress in Uranium Mining and Metallurgy Technology (CNNC/CNMSTC) • An Overview of Uranium Geology and Exploration in China (CNNC/BRIUG) • Nuclear applications and irradiation in health & care (CNNC/CIRC) |

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| | <ul style="list-style-type: none"> • Status of China's nuclear technology applications, policy, and regulatory development (CNNC/CINIS) • Q&A |
| Part III - Closing Session | |
| 12:45 | <ul style="list-style-type: none"> • Summary speech by CNNC |
| 13:00 | <ul style="list-style-type: none"> • Reception - Lunch |

As a sincere partner of the Associação Brasileira de Energia Nuclear, we'd like to sincerely invite you to attend this undeniable event that will create excellent communication and technical exchange because of your presence.

We look forward to your confirmation at your earliest convenience.

CNNC/ABEN

Annex:

This China Side Event aims to promote the open discussion for a shared global nuclear energy community and projects a vision where nuclear energy brings benefits to city life. Featuring “Greenness, Innovation and Future”, CNNC provides integrated industrial solutions of “Clean Nuclear Energy, Sea Water Desalination, Human Health, Better Security and Smart Cities”. While depicting how nuclear energy will shape our daily lives in the future, CNNC also highlights the commitment to global nuclear energy development, environmental protection, and a green homeland.

CNNC is developing businesses based on the comprehensive nuclear industrial system:

- Research & Development
- Nuclear Fuel Cycle
- Nuclear Power

Investment & Operation

- 26 units in operation with an installed capacity of 24.4 GW
- 18 units under construction with an installed capacity of 19.39 GW

Nuclear Power Technology Development from 100 MWe to 1200 MWe

- Gen-III nuclear power technology HPR1000 (“Hualong one”)
- Multi-purpose SMR ACP100 (“Linglong one”)
- Gen-IV HTGR
- Pool-type low-temperature reactor for district heating (“Yanlong”)

- Nuclear Environmental Protection
- Nuclear Application

Nuclear Medicine

Radioisotope Production & Supply

- 70% of Chinese domestic market

Radiation Processing

- Equipment Manufacturing
- Asset Management and Financial Services