

8.10 Technical Secretariat IFNEC

- Update since Oct 2018 –

**Division of Nuclear Technology Development and
Development**

10-11 July 2019

**71st Meeting of the Committee for Technical and Economic Studies on
Nuclear Energy Development and the Fuel Cycle (NDC),**



IFNEC leadership

EXECUTIVE COMMITTEE Ministerial-level Officials or Designees (Chair rotates annually)

STEERING GROUP



Julián Gadano
Chair
Argentina



Shi Lishan
Vice-Chair
China



Fumikazu Sato
Vice-Chair
Japan



Collins Juma
Vice-Chair
Kenya



Vladimir Artisiuk
Vice-Chair
Russian Federation



Suzie Jaworowski
Vice-Chair
United States

- Chair of the Executive Committee 2019: US (Rick Perry, tbc)
- Chair of the Steering Group: Mr Julian Gadano (Argentina), candidate for another term 2020-21
- 5 Steering Group Vice Chairs:
 - China
 - Japan
 - Kenya
 - Russian Federation
 - United States
- 3 WG co-chairs:
 - Infrastructure Development: Al Burkart (US, stepping down), Z. Kubacki (Poland)
 - Reliable Nuclear Fuel Services: T. Zagar (Slovenia), S. Tyson (US)
 - Nuclear Suppliers & Customer Countries Engagement: Amb. R. Grossi (Argentina), F. Sato (Japan)
- NEA Technical Secretariat: (as of July 2019):
 - Malisol Ohirko and Henri Paillere

INFRASTRUCTURE DEVELOPMENT WG



Zbigniew Kubacki
Co-Chair
Poland



Alex Burkart
Co-Chair
United States

RELIABLE NUCLEAR FUEL SERVICES WG



Tomaž Žagar
Co-Chair
Slovenia



Sean Tyson
Co-Chair
United States

NUCLEAR SUPPLIER AND CUSTOMER COUNTRIES EG



Rafael Grossi
Co-Chair
Argentina



Fumikazu Sato
Co-Chair
Japan



IFNEC members

34 Participant countries



31 Observer countries





IFNEC website, www.ifnec.org

The screenshot shows the IFNEC website homepage. The header features the IFNEC logo (a globe with a circular arrow) and the text "IFNEC The International Framework For Nuclear Energy Cooperation". Below the header is a green navigation bar with links: Home, About, Activities, News, Resources, Contacts, and Members Area. A search bar is located on the right side of the navigation bar. The main content area is divided into several sections. On the left, there is a section titled "IFNEC Steering Group Meeting 2018, Paris, France" with a left arrow and contact information. In the center, there is a large photograph of a group of people standing in front of a building. On the right, there is a section titled "IFNEC News and Updates" with a globe icon. Below this, there are three news items: "IFNEC Week" (dated Jun 19, 2018), "RNFSWG Workshop on 'Approaches for Financing a Multinational Repository'" (dated Jun 9, 2018), and "NSCCEG Meeting" (dated Jun 5, 2018). At the bottom, there are two more sections: "IFNEC Meetings" and "Resource Library".

IFNEC
The International Framework For Nuclear Energy Cooperation

Home About ▾ Activities ▾ News Resources ▾ Contacts Members Area Search...

IFNEC Steering Group Meeting
2018, Paris, France
For more information please contact: secretariat@ifnec.org.

IFNEC News and Updates

IFNEC Week
Posted on Jun 19, 2018
IFNEC Week on 12-15 November 2018, will be held in Tokyo, Japan.

12 November - Working Group Meetings
13-14 (am) November - Conference on Challenges and opportunities facing nuclear energy in an energy transitions context
14 November (pm) - Steering Group Meeting
15 November - Executive Committee Meeting

More information will be available soon.

RNFSWG Workshop on "Approaches for Financing a Multinational Repository"
Posted on Jun 9, 2018
RNFSWG workshop on "Approaches for Financing a Multinational Repository" on 10-11 December 2018, to be held at the NEA, Boulogne Billancourt.

For more information please contact: secretariat@ifnec.org

NSCCEG Meeting
Posted on Jun 5, 2018
NSCCEG meeting on 5 July 2018, will be hosted by the permanent Argentinean delegation in Vienna, following the IAEA INPRO Dialogue Forum on Sustainable Supply Chains.

IFNEC Meetings
The International Framework for Nuclear Energy Cooperation provides a forum for cooperation among participating states to explore mutually beneficial approaches to ensure the use of nuclear energy for peaceful purposes proceeds in a manner that is efficient and meets the highest standards of safety, security and non-proliferation. Participating states would not give up any rights and voluntarily agree to share the effort and costs, the benefits of cooperation.

Resource Library
The library is a repository of practical information for Participant and Observer organizations. Access permission is required.
[Resource Library](#)

A public website, with information about IFNEC, membership, organisation, and published reports



IFNEC Publications:

all available on IFNEC website



Financing Nuclear Power Projects

New and Emerging Models

Finance and Project Structuring Approaches Based on IFNEC Finance Workshops and Panel Session



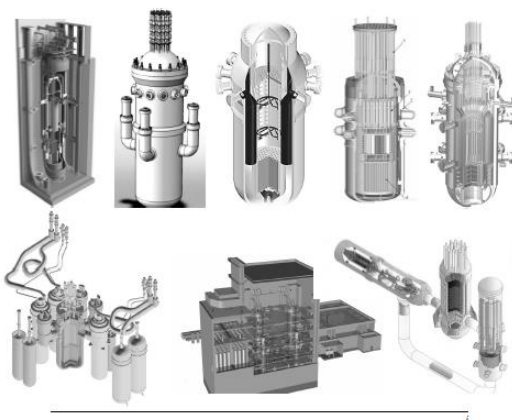
2014



INTERNATIONAL FRAMEWORK FOR NUCLEAR ENERGY COOPERATION
SMALL MODULAR REACTOR WORKSHOP
June 11-12, 2014 • Dead Sea, Jordan

Report of the Small Modular Reactor Workshop: Practical Deployment Issues and Approaches

*Including several potential deployment models
based on workshop scenario discussions*



2016



Nuclear Energy's Role in the 21st Century: Addressing the Challenge of Financing



Conference Proceedings
11-12 May 2016
Paris, France



IFNEC
INTERNATIONAL FRAMEWORK FOR NUCLEAR ENERGY COOPERATION



2016



Practical Considerations to Begin Resolving the Final Spent Fuel Disposal Pathway for Countries with Small Nuclear Programs



October 2016

2016



Global Supply Chain and Localization, Issues and Opportunities: A Conference on the Customer Dialogue



Summary Conference Report
7-8 November 2017
Paris, France

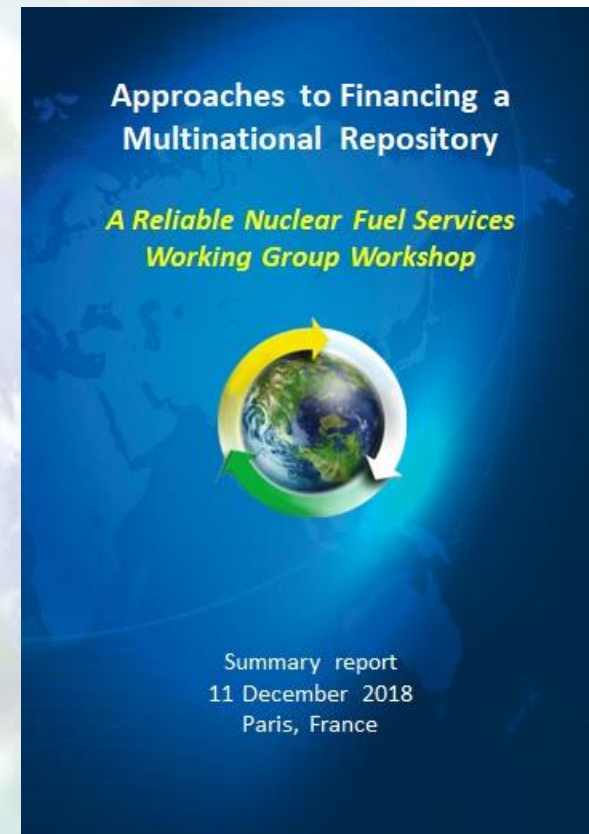
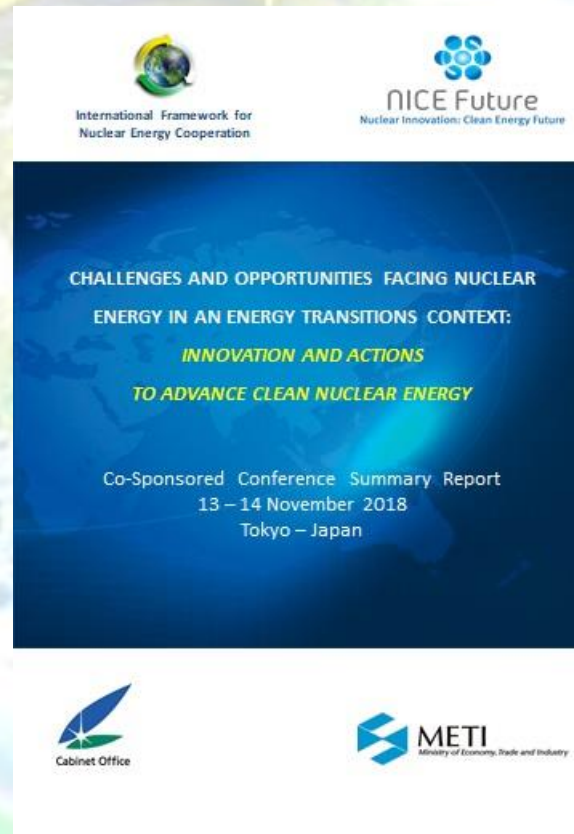
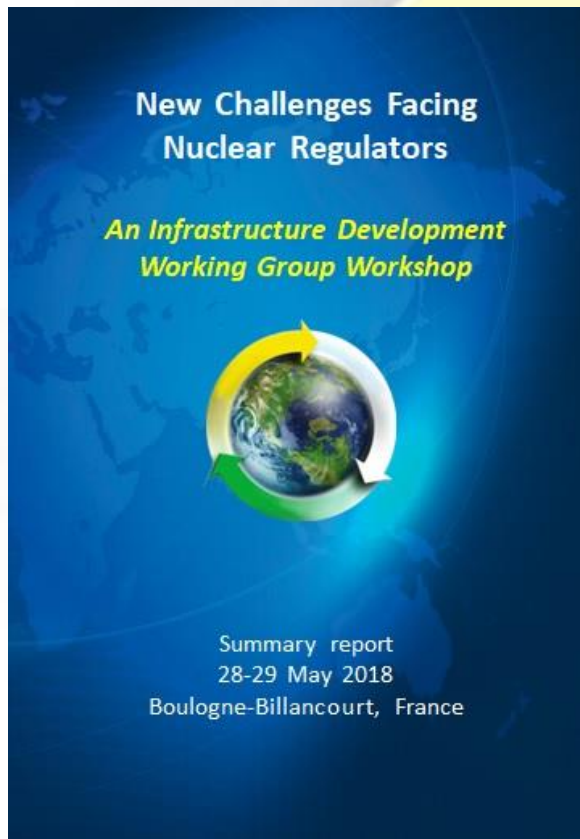
2018



IFNEC
INTERNATIONAL FRAMEWORK FOR NUCLEAR ENERGY COOPERATION



IFNEC Publications: In 2019 (planned)



Presentations from these meetings are on the IFNEC public website



IFNEC/NICE Future Conference, hosted by METI, 13-14 Nov 2018

- Session 1: The role of nuclear energy and other technologies in future energy systems
- Session 2: Electricity markets and nuclear competitiveness
- Session 3: Financing new-build and long term operation of nuclear power plants
- Session 4: Nuclear technology beyond electricity generation, hybrid energy systems
- Session 5: Innovation and new developments in the nuclear sector and in other high-tech industries
- Session 6: Communication and stake-holder involvement to foster a better understanding of nuclear energy's uses (or potential uses) and value
- Session 7: Nuclear energy as a pillar for a successful energy transition to low-carbon energy systems





Events supported by TS in 2019

- **NSCCEG**-sponsored session on supply chain, VI. International Nuclear Power Plants Summit, Istanbul, March 2019
 - *Set up workshop, invite speakers, chair session*
- **IDWG, NSCCEG and SG** Meetings in Beijing, 24-26 June 2019
 - *Set up registration, work with C/NEA host, IDWG and NSCCEG co-chairs to help develop agendas*
- **IFNEC** side-event during the GC (Sept 2019)
 - *Outreach type event, promotion of IFNEC activities*
- **IDWG** meeting on HTR technology & applications in Warsaw (24-25 Sept 2019)
 - *Set up registration, help develop agenda, work with Polish host*
- **IFNEC** session in Africa Nuclear Business Platform 2019, Nairobi (15-16 Oct 2019)
 - *Outreach type event, promotion of IFNEC activities*
- **RNFSWG, SG/EC + SMR/Advanced Reactor Summit** in Washington DC, 12-15 November 2019)
 - *Set up registration, work with US DOE host, help develop conference agenda*



Workshop: Challenges for a Robust and Secure Nuclear Supply Chain: Globalisation, Localisation, Oversight and Safety Culture (Istanbul, 5-6 March 2019)

- Welcome and Introduction: Dr. Henri Paillère, on behalf of the co-chairs of the IFNEC Nuclear Supplier and Customer Countries Engagement Group (NSCCEG)
- Introduction by Moderator: Ms Elina Teplinsky, Partner, Pillsbury Winthrop Shaw Pittman LLP
- Global supply chain oversight challenges:
 - Mr Zhang Xubo, **China** National Energy Administration
 - Supplier: Mr Radim Hruby, **Czech** Power Industry Alliance
- Advancing early integration of safety culture in the supply chain: Mr Yusuf Ceylan, TAEK, **Turkey**
- Enhancing international cooperation in the nuclear industry supply chain: Mr Greg Kaser, **WNA**
- Supply Chain Services For Nuclear Power Plants: How To Build And Control a Supply Chain:
 - Mr Haïkel Ben Aoun, French Nuclear Suppliers Association **FR**
 - Ms Feyza Ercengiz, Ata Freight **TR** and Mr Antoine Bondoux, Geodis **FR**
- Q&A with audience





IDWG – Export Controls as an enabler of nuclear energy cooperation (Beijing, 24 June 2019)

NSG – At a Glance Principles, Guidelines and more

Per Andersson
NSG – Chairman of the Technical Experts Group

Developing and Structuring an Export Compliance
Regime to Facilitate Nuclear New Build:

Key issues and lessons learned

Elina Teplinsky
Partner, Pillsbury Winthrop Shaw Pittman LLP

June 22, 2019

PILLSBURY NUCLEAR.
50 years advising the nuclear industry. 20 dedicated nuclear lawyers. 360° advice on nuclear projects.
AUSTIN BEIJING DUBAI HOUSTON HONG KONG LONDON LOS ANGELES NEW YORK NO. VIRGINIA
SACRAMENTO SAN DIEGO SAN FRANCISCO SHANGHAI SILICON VALLEY TOKYO WASHINGTON DC

pillsbury



Export Control by a Nuclear Supplier: the United States



Dr. Alex R. Burkart

Senior Level Advisor for Nuclear Energy, U.S. Department of State
Co-Chair, Infrastructure Development Working Group, IFNEC

IDWG Workshop - Export Controls as an Enabler of Nuclear Cooperation
Beijing, China
June 24, 2019

Export control system in Poland

Kamil Adamczyk
Legal Expert
Ministry of Energy

June 2019



RUSATOMSERVICE

STATE ATOMIC ENERGY CORPORATION ROSSATOM

EXPORT CONTROL

Features When Implementing Projects with Newly
Emerging Countries (Bolivia's Case Study)

Maria S. Roskoshnaya
Head of Export Control
Department
Rusatom Service JSC

FANR
هيئة الترخيص والتفتيش
Federal Authority for Nuclear Regulation

INTERNATIONAL FRAMEWORK FOR NUCLEAR ENERGY COOPERATION INFRASTRUCTURE DEVELOPMENT WORKING GROUP MEETING

The Development of Export Controls by an Emerging Country – the UAE Experience

June 24, 2019
China National Convention Centre
Beijing, China

Presented By:
Mohammad Foad Al Ahmed – Manager, Export/Import
FANR Safeguards Department-Import & Export Control Section

هيئة الترخيص والتفتيش

IAEA Guidance for and Assistance to Emerging
Countries Establishing an Export Control Regime

A. Braunegger-Guelich | Division of Concepts and
Planning | Department of Safeguards

NUCLEAR POWER & ENERGY AGENCY

DEVELOPMENT OF EXPORT CONTROLS IN A NEWLY EMERGING COUNTRY

Presented by
Eng. Collins Juma, MBS
Chief Executive Officer



Nuclear Nonproliferation and Export Control in China

XU Zhenhua, Deputy Director General
State Nuclear Security Technology Center, China
June 24, 2019 Beijing
IFNEC-IDWG Meeting



NSCCEG – Safety and safety culture (Beijing, 24 June 2019)



International Framework for Nuclear Energy Cooperation (IFNEC)

Nuclear Supplier and Customer Countries Engagement Group (NSCCEG)

Fumikazu Sato and Amb. Rafael Grossi
Co-chairs

**Summary of Work Performed
2017-2019**

Presented by Henri Paillère, Technical Secretariat

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Overview of the support provided by the French nuclear safety authority to other Regulatory Bodies

Jorge TIRIRA
Senior Advisor - ASN



INTERNATIONAL FRAMEWORK FOR NUCLEAR ENERGY COOPERATION IFNEC MEETINGS
24 – 26 June 2019
CHINA NATIONAL CONVENTION CENTRE – BEIJING

ГОСУДАРСТВЕННАЯ КОРПОРАЦИЯ ПО АТОМНОЙ ЭНЕРГИИ «РОСАТОМ»

**Safety Culture in Pre-operational Phases of Nuclear Power Plant.
The Case of Ruppur NPP**

Dr. Fedor APARKIN – Deputy Director of the Service of the Inspector General, State Atomic Energy Corporation «ROSATOM»

Dr. Elena CHERNETSKAYA – Director of the Center for Competences on SC and Reliability of the Human Factor, Rosatom Technical Academy



生态环境部（国家核安全局）
Ministry of Ecology and Environment (National Nuclear Safety Administration)



中国核安全文化实践
China's Practice on Nuclear Safety Culture

李 研
Li Yan
生态环境部
Ministry of Ecology and Environment



IFNEC Global Ministerial Conference

Bringing the World SMRs and Advanced Nuclear



U.S. DEPARTMENT OF
ENERGY

For more information on IFNEC, please visit www.ifnec.org.

Week 12-15 Nov 2019



Budget 2019

- **Voluntary Contributions from:**

- *Argentina*
- *China*
- *France*
- *Japan*
- *Poland*
- *United States*

For a total of approx. 380k€.