

SENARAI PEROLEHAN BAHAN PERPUSTAKAAN NUKLEAR MALAYSIA  
DIS 2018



KOLEKSI BUKU/MONOGRAP

BIL	KULIT	JUDUL/PENGGARANG	PENERBIT	TAHUN	ISBN	JUMLAH NASKHAH
1	 The book cover is red with a white and yellow graphic element at the top. It features the text "SANGGAR SANDUNG INOVASI" and a small logo of the Malaysian Innovation Centre.	SANGGAR SANJUNG INOVASI : HASIL KEJAYAAN r&d TEMPATAN	MESTECC	2018	9789671329733	1

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KOLEKSI BULLETIN/MAJALAH/ JURNAL

BIL	KULIT	JUDUL/BAHAN	PENERBIT	KELUARAN/ISU				BIL/ NASKHAH
				VOL	ISU	BULAN	TAHUN	
1		KATALOG PRODUK DAN PERKHIDMATAN 2017	MESTECC				2018	1
2		LAPORAN PENILAIAN OUTCOME MOSTI	MESTECC				2017	1
3		SWCorp NEWS	SWCORP			Bil.5	2018	1
4		TINTA IPN LAPORAN TAHUNAN 2017	INST. PERAKAUNAN NEGARA				2017	1
5		LAPORAN ZAKAT	PPZ-SHAMELIN				2017	1
6		BERITA PERIKANAN			BIL. 105	JUN	2018	1
7		CITRA MAMPU					2018	1
8		BULETIN GIS & GEOMATIK				BIL. 2	2017	2

## TERBITAN IAEA YANG TERKINI (DIS 2018)

The IAEA is pleased to announce the publication of:

### **Consideration of External Hazards in Probabilistic Safety Assessment for Single Unit and Multi-unit Nuclear Power Plants**

#### **Safety Reports Series No. 92**

This publication outlines the generic methodology for probabilistic safety assessment (PSA) of nuclear power plants (NPPs) against external hazards. It integrates design, procedural, operational, human factors and both protection and mitigation aspects that are essential to model a NPP response to an external hazard and to assess the associated risk. It specifically addresses the identification and screening of external hazards considering the multi-unit impact.

STI/PUB/1777, 56 pp.; 0 figs., 2018; ISBN: [978-92-0-101917-2](https://www-pub.iaea.org/books/IAEABooks/11080/Consideration-of-External-Hazards-in-Probabilistic-Safety-Assessment-for-Single-Unit-and-Multi-unit-Nuclear-Power-Plants), English, 40.00 Euro

Electronic version can be found:

<https://www-pub.iaea.org/books/IAEABooks/11080/Consideration-of-External-Hazards-in-Probabilistic-Safety-Assessment-for-Single-Unit-and-Multi-unit-Nuclear-Power-Plants>

### **Challenges Faced by Technical and Scientific Support Organizations (TSOs) in Enhancing Nuclear Safety and Security**

#### **Proceedings of an International Conference Held in Beijing, China, 27–31 October 2014**

This publication is the proceedings of an international conference with a primary objective to examine Technical and Scientific Support Organizations (TSOs) and their role in the light of the Fukushima Daiichi accident. Through the presentations and discussions, the conference participants assessed the effectiveness of TSOs and explored ways to improve capabilities and strengthen cooperation among TSOs. Other topics addressed included the challenges faced by TSOs when interacting with regulatory bodies, the industry and the public; and the role of TSOs in terms of emergency preparedness and response. The outcome of the conference is summarized in nine recommendations, which include the crucial role of international cooperation and networking among TSOs, as it contributes to increasing experience feedback and provides the information base needed to tackle new cases.

STI/PUB/1833, 92 pp.; 0 figs., 2018; ISBN: [978-92-0-108118-6](https://www-pub.iaea.org/books/IAEABooks/11078/Challenges-Faced-by-Technical-and-Scientific-Support-Organizations-TSOs-in-Enhancing-Nuclear-Safety-and-Security), English, 48.00 Euro

Electronic version can be found:

<https://www-pub.iaea.org/books/IAEABooks/11078/Challenges-Faced-by-Technical-and-Scientific-Support-Organizations-TSOs-in-Enhancing-Nuclear-Safety-and-Security>

## **Fast Reactors and Related Fuel Cycles: Next Generation Nuclear Systems for Sustainable Development (FR17)**

**Proceedings of an International Conference Held in Yekaterinburg, Russian Federation, 26-29 June 2017**

This publication presents the proceedings of an IAEA international conference in the field of fast reactors and related fuel cycle technologies. The conference provided a unique forum to discuss national and international fast reactor programmes, to analyse new experience and development advances arising from research and development programmes, and to identify needs to be addressed in relation to the industrial deployment of fast reactors. The conference also included two panel events devoted to safety design criteria for sodium cooled fast reactors and small and medium-sized fast reactors. An event dedicated to young professionals involved in fast reactor programmes and projects was organized as a plenary session. About 200 oral technical presentations and 200 posters complemented the overall picture of the scientific and the state of the art technical developments worldwide. The proceedings comprise a summary of the different technical, plenary and young generation event sessions as well as the opening, closing and plenary speeches delivered during the conference. A CD-Rom with contributed papers (which are also available online) accompanies the publication.

STI/PUB/1836, 260 pp.; 49 figs.; 2018; ISBN: [978-92-0-108618-1](https://www-pub.iaea.org/books/iaeabooks/13414/Fast-Reactors-and-Related-Fuel-Cycles-Next-Generation-Nuclear-Systems-for-Sustainable-Development-FR17), English, 43.00 Euro

Electronic version can be found:

<https://www-pub.iaea.org/books/iaeabooks/13414/Fast-Reactors-and-Related-Fuel-Cycles-Next-Generation-Nuclear-Systems-for-Sustainable-Development-FR17>

## **Experimental Facilities in Support of Liquid Metal Cooled Fast Neutron Systems**

**IAEA Nuclear Energy Series No. NP-T-1.15**

This publication presents both an overview and detailed information on more than 150 experimental facilities being used for developing and deploying innovative liquid metal-cooled (sodium, lead and lead-bismuth) fast neutron systems, both critical and subcritical. Facilities, both under construction and those in operation are considered. It is expected that by providing the end users with detailed information on existing and future experimental facilities able to support innovative liquid metal cooled fast neutron systems, the publication will facilitate cooperation between organizations and knowledge transfer. An overview of the existing and future experimental facilities is presented in the body text of this publication. The profiles of all facilities in the form of individual papers are available on the attached CD-ROM and in the related on-line database maintained by the IAEA Catalogue of Facilities in Support of Liquid Metal-cooled Fast Neutron Systems (LMFNS Catalogue).

STI/PUB/1806, 52 pp.; 0 figs., 2018; ISBN: [978-92-0-101018-6](https://www-pub.iaea.org/books/iaeabooks/13414/Fast-Reactors-and-Related-Fuel-Cycles-Next-Generation-Nuclear-Systems-for-Sustainable-Development-FR17), English, 30.00 Euro

Electronic version can be found:

<https://www-pub.iaea.org/books/IAEABooks/12245/Experimental-Facilities-in-Support-of-Liquid-Metal-Cooled-Fast-Neutron-Systems>

## **Enhancing Benefits of Nuclear Energy Technology Innovation through Cooperation among Countries: Final Report of the INPRO Collaborative Project SYNERGIES**

### **IAEA Nuclear Energy Series No. NF-T-4.9**

This publication provides a summary of the INPRO collaborative project on synergistic nuclear energy regional group interactions evaluated for sustainability. Benefits of nuclear technology innovation can be amplified through co-operation among countries in the nuclear fuel cycle. Nuclear energy sustainability can be enhanced, not only for technology holders but also for a variety of technology users, including those who do not pursue innovations in their home countries. If one partner in a synergistic collaboration is achieving enhanced sustainability, then the other partner(s) may achieve similar enhancement through collaboration without the requisite large national investments in technology, R&D and related infrastructure development. Within the publication, 28 case studies have been conducted by Member States to identify and evaluate mutually beneficial patterns of co-operation in the nuclear fuel cycle and the driving forces and impediments involved in such co-operation.

STI/PUB/1807, 341 pp.; 227 figs., 2018; ISBN: [978-92-0-101118-3](https://www-pub.iaea.org/books/IAEABooks/12200/Enhancing-Benefits-of-Nuclear-Energy-Technology-Innovation-through-Cooperation-among-Countries-Final-Report-of-the-INPRO-Collaborative-Project-SYNERGIE), English, 66.00 Euro

Electronic version can be found:

<https://www-pub.iaea.org/books/IAEABooks/12200/Enhancing-Benefits-of-Nuclear-Energy-Technology-Innovation-through-Cooperation-among-Countries-Final-Report-of-the-INPRO-Collaborative-Project-SYNERGIE>