

Radiation Safety & Radioactive Waste Management Workshop 2018 17-19 October 2018, Sydney, Australia

The FNCA 2018 Workshop on Radiation Safety and Radioactive Waste Management (RS&RWM) was held from 17th to 19th October 2018, at the Adina Apartment Hotel and Australian Nuclear Science and Technology Organisation (ANSTO). The workshop was jointly organised by the ANSTO and the Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan.



At Discovery Centre of ANSTO

Ms Pamela Naidoo-Ameglio, Group Executive Nuclear Operations of ANSTO, and Mr Tomoaki Wada, FNCA Coordinator of Japan delivered a welcoming speech. Ms Naidoo-Ameglio mentioned the importance of the nuclear waste management in Australia. Mr Wada welcomed all the participants from FNCA member countries, and expressed his deep gratitude to Mr Peter McGlinn, FNCA Coordinator of Australia, who has made significant contributions to FNCA for many years.

Following the opening session, Mr Wada gave a presentation on the FNCA Achievements in 2017 and 2018 and introduced some nuclear training programmes operated and funded by the Japanese government. During the presentation, he mentioned that the Australian team of the Research Reactor Network project won the FNCA Best Research Team Award 2017. Next, Mr Peter McGlinn, FNCA Coordinator of Australia presented on the Australia's achievements in FNCA activities. In his presentation, he introduced ANSTO's facilities as the landmark infrastructures of Australian Science, and some outcomes from the FNCA project led by Australia. Finally, Prof Toshiso Kosako, Project Leader of Japan reported the overview of the project, in which he explained about the consolidated report to be discussed during the workshop.



Right: Ms Pamela Naidoo-Ameglio, Group Executive Nuclear Operations of ANSTO
Left: Mr Peter McGlinn, FNCA Coordinator of Australia

After the introductory sessions, three participants shared their experience on low-level radioactive waste repository in their country. Dr Hyuncheol Kim, KAERI, reported on the experience of LLRW repository in the Republic of Korea. He introduced their experience in Gyungju as a depository site, and their plans of the on-site measurement system designed for decommissioning of NPP, which includes preparation lab, separation lab and analysis lab. Dr Norasalwa Binti Zakaria, Nuclear Malaysia presented on their experience of borehole in Malaysia, in which she introduced the prospective site, features of planned borehole, timelines of the project, site selection procedures and safety assessment. Mr Yevgeniy Tur, NNC of the Republic of Kazakhstan talked about their experience of LLRW management in Kazakhstan. He focused on the management of radioactive waste from uranium mining and processing, petroleum refining, and nuclear explosion in the test site. Summary of each presentation can be found on the [FNCA website](#).



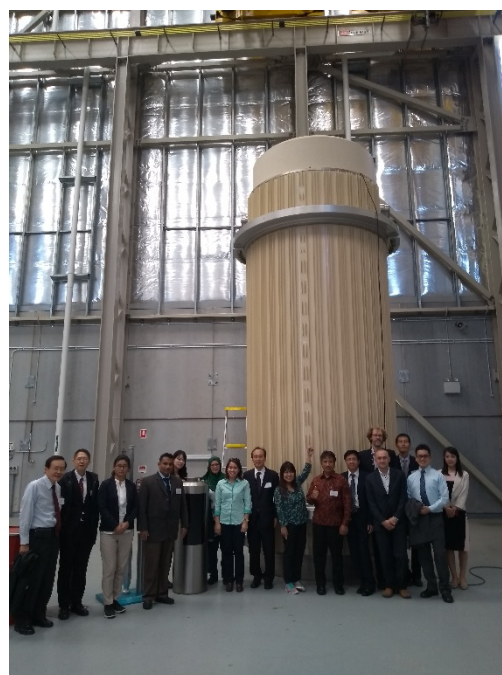
Upper Left: Dr Hyuncheol Kim
 Upper Right: Dr Norasalwa Zakaria
 Lower Left: Mr Yevgeniy Tur

After the presentations, the participants were divided into three groups and discussed on their draft for “Consolidated Report on Low-level Radioactive Waste Repository”. The participants shared and peer-reviewed each draft and got some clues for how to improve their own report.

After the Consolidated Report session, two participants presented on their experience of Public Acceptance. Ms Nanthavan Ya-anant, TINT, reported that TINT researchers are trying to have

chance to consult at schools as well as being involved in the local activities in order to talk or answer questions to get the trust from the public. Dr Haruyuki Ogino, CRIEPI, shared both good practice and bad practice on site selection that Japan was going through after the Fukushima NPP accident. After their presentations, everyone made a brief comments on their own PA experiences. Summary of each presentation and comments can be found on the [FNCA website](#).

In the morning of 19 October, the Open Seminar was held at the ANSTO. The seminar was attended by around 50 participants. In the seminar, four presentation was made by the experts from ANSTO: “Development of the National Radioactive Waste Policy and National Radioactive Waste Framework”, “Design of the National Radioactive Waste Facility”, “Development of Waste Acceptance Criteria for Radioactive Waste Disposal” and “Community Consultation and Public Acceptance”. Following those four reports, Prof Toshiso Kosako, Project Leader of Japan wrapped up the workshop outcomes and some FNCA participants made a short comments on their country’s situation. After the Open Seminar, the participants joined the technical tour at ANSTO.



In front of the waste storage facility

Workshop Participants

■ Australia

Mr Duncan Kemp

Manager, Waste Management Services
Nuclear Operations
Australian Nuclear Science and Technology
Organisation (ANSTO)

Ms Lynn Tan

Project Transition Leader
Nuclear Operations
Australian Nuclear Science and Technology
Organisation (ANSTO)

Ms Pamela Naidoo-Ameglio

Group Executive, Nuclear Operations
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Mr Peter McGlenn

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Mr Samir Sakar

Director, National Codes & Standards
Regulatory Services
Australian Radiation Protection and Nuclear Safety
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Dr Kapila Fernando

Manager, Nuclear Waste Solutions
Nuclear Waste Solutions
Australian Nuclear Science and Technology
Organisation (ANSTO)

Mr Hefin Griffiths

Head of Nuclear Services & Chief Nuclear Officer
Office of the CEO
Australian Nuclear Science and Technology
Organisation (ANSTO)

■ Bangladesh

Dr M. Moinul Islam

Chief Scientific Officer,
Bangladesh Atomic Energy Commission

■ China

Prof Hongxiang An

Division Head,
China Institute for Radiation Protection

■ Indonesia

Mr Sucipta

Senior Researcher,
Center of Radioactive Waste Technology,
National Nuclear Energy Agency (BATAN)

■ Japan

Mr Tomoaki Wada

FNCA Coordinator of Japan

Ms Nao Yokoi

Unit Chief,
International Nuclear and Fusion Affairs Division,
Research and Development Bureau,
Ministry of Education, Culture, Sports, Science and
Technology (MEXT)

Prof Toshiso Kosako

Professor Emeritus,
The University of Tokyo

Mr Tatsuo Saito

Assistant Principal Researcher,

Sector of Decommissioning and Radioactive Waste Management,
Radioactive Wastes Disposal Project Center,
Disposal Research and Development Office,
Japan Atomic Energy Agency (JAEA)

Dr Haruyuki Ogino

Research Scientist,
Radiation Safety Research Center,
Nuclear Technology Research Laboratory,
Central Research Institute of Electric Power Industry (CRIEPI)

■ Kazakhstan**Mr Yevgeniy Tur**

Senior Engineer,
National Nuclear Center of the Republic of Kazakhstan

■ Republic of Korea**Dr Hyuncheol Kim**

Senior Researcher,
Korea Atomic Energy Research Institute (KAERI)

■ Malaysia**Dr Norasalwa Binti Zakaria**

Unit Manager,
Malaysian Nuclear Agency

■ Mongolia**Ms Ariunsaikhan Ishjamts**

State Inspector on Nuclear and Radiation Safety,
General Agency for Specialized Inspection of Mongolia

■ Philippines**Ms Kristine Marie Dacallo Romallosa**

Officer-in-Charge,
Radiation Protection Services Section,
Philippine Nuclear Research Institute (PNRI)

■ Thailand**Ms Nanthavan Ya-anant**

Head,
Radioactive Waste Management Section,

Radioactive Waste Management Center,
Thailand Institute of Nuclear Technology (TINT)

■ Vietnam**Dr Minh Quang Pham**

Head of Department of Planning and R&D Management,
Vietnam Atomic Energy Institute (VINATOM)

■ FNCA Secretariat**Ms Ayako Tandia**

International Affairs and Research Department,
Nuclear Safety Research Association (NSRA)

*Detailed information and summaries of the workshop can be found on the FNCA website.

(http://www.fnca.mext.go.jp/english/rwm/e_ws.html)

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