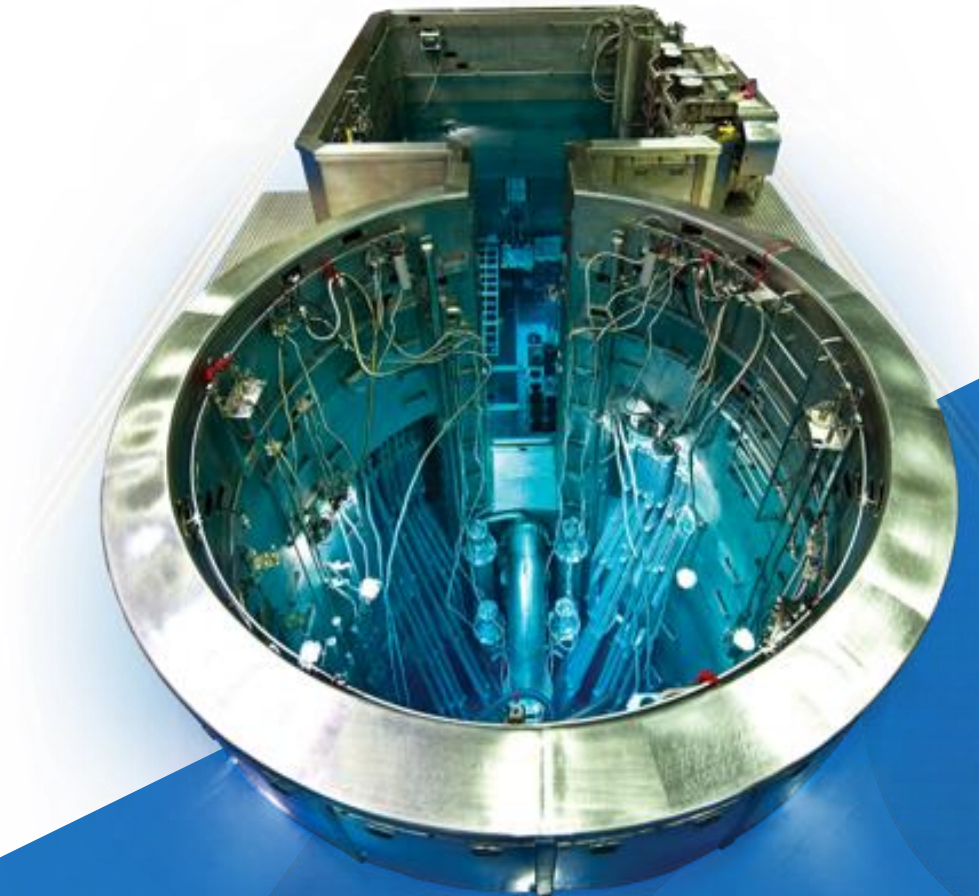




ANSTO's role in Australia's nuclear future

Pamela Naidoo-Ameglio

Group Executive,
Nuclear Operations and
Nuclear Medicine

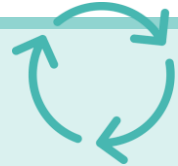


Science. Ingenuity. Sustainability.

Advancing Australia's nuclear knowledge



Nuclear fuel cycle research



Developing improved fuels for advanced reactor designs

Investigating materials for use in nuclear applications

Providing support for the lifetime management of the OPAL reactor

Synroc® technologies



Advancing understanding of the management of spent fuel and associated waste forms

Technology for global best practice in direct disposal and termination of nuclear waste

New opportunities for Australia

**ANSTO
Nuclear Medicine**



**Nuclear powered
submarines**



**ANSTO Synroc[®] Mo-99
Waste Treatment Plant**



Nuclear stewardship

*Nuclear baseline, independent
nuclear assurance*



Building the nuclear workforce of our future



ANSTO Nuclear Workforce Development Model



	PRIME	ATTRACT	DEVELOP	RETAIN	REGENERATE
Objective 1	<i>How to introduce nuclear to people?</i>	<i>How do we get people to join ANSTO?</i>	<i>How to build value in people for the benefit of ANSTO?</i>	<i>What should ANSTO do to keep people?</i>	<i>How to ensure continuity of capability with NO gaps?</i>
Objective 2	<ul style="list-style-type: none"> How to get people to think about nuclear 	<ul style="list-style-type: none"> How to reach people with recruitment? 	<ul style="list-style-type: none"> What training or re-training do people need? 	<ul style="list-style-type: none"> Salary/rem/incentives 	<ul style="list-style-type: none"> Succession planning
Objective 3	<ul style="list-style-type: none"> What does nuclear do in Australia? 	<ul style="list-style-type: none"> What makes ANSTO attractive? 	<ul style="list-style-type: none"> How are careers developed? 	<ul style="list-style-type: none"> Professional development 	<ul style="list-style-type: none"> Career overlap
Objective 4	<ul style="list-style-type: none"> Could that sector be an option for me? Where are nuclear operations in Australia? 	<ul style="list-style-type: none"> What makes nuclear attractive? 	<ul style="list-style-type: none"> Opportunities with other organisations 	<ul style="list-style-type: none"> Training/retraining 	<ul style="list-style-type: none"> PRIME
Objective 5	<ul style="list-style-type: none"> What does the nuclear sector look like? 	<ul style="list-style-type: none"> What are the career opportunities? Are there career paths? 	<ul style="list-style-type: none"> Early career 	<ul style="list-style-type: none"> Career pathways 	<ul style="list-style-type: none"> Staff advocate for the sector/ANSTO
Objective 6	<ul style="list-style-type: none"> What are the opportunities? Schools; Early career; mid-career 	<ul style="list-style-type: none"> Work-life choices? Location Salary/rem 	<ul style="list-style-type: none"> Mid-career 	<ul style="list-style-type: none"> Work breaks and flexibility Opportunities with other organisations Skills and quals recognized across the nuclear sector 	

Skills development



**FutureNow
Scholarships**

**Graduate
Development
Program**

**Sir William
Tyree Nuclear
Scholarships**

**Indigenous
Programs**

**United Uranium
Scholarship**

 **AINSE**
**AINSE Residential
Student Scholarship**

 **AINSE**
**AINSE Early Career
Researcher Grant**

 **AINSE**
**SAAFE Research
Internship Program**

**Year in Industry
Program**

Internships

Apprenticeships

Traineeships

Diverse skills at ANSTO

Greater automation and robotics skills



Engineering and science disciplines



Expertise in research



Skilled trades



Expertise in Radiation Safety



Expertise in Radioactive Waste



Project management and STEM



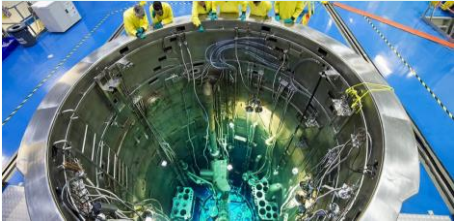
Nuclear analysis and modelling



ANSTO'S support to the nuclear industry

Nuclear Reactor

High reliability,
productivity and safety



Nuclear and accelerator Infrastructure



Research

Health, Environment and
Nuclear Materials



Environmental monitoring



Radiopharmaceuticals

Diagnostic and therapeutic



Waste operations



Specialised radiation incident response



Radiation protection

Safety culture



Expert advice

National / international



Nuclear security & safeguards



Nuclear science and technology for social and economic benefit

Planning for a new era of nuclear in Australia

Creation of the Nuclear Powered Submarine Taskforce (NPSTF) in September

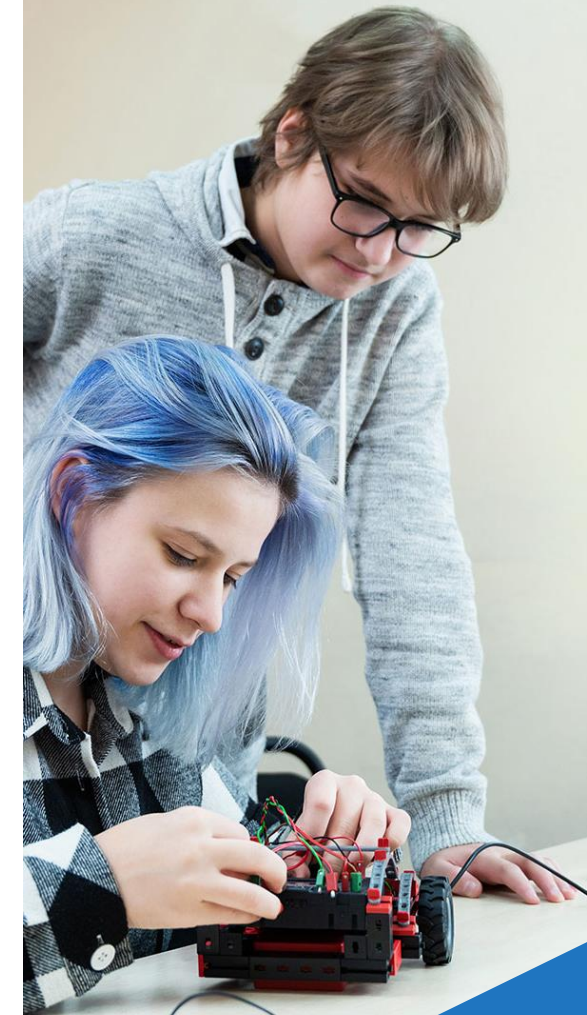
2021 and subsequent formation of the Australian Submarine Agency (ASA) from July 2023, represents a step-change in Australia's nuclear landscape - opportunities and challenges for ANSTO

Development of future nuclear workforce whilst continued excellence

in operation of the OPAL multi-purpose research reactor for the provision of services to nuclear medicine production, industry and science - priority

Strategic Nuclear Workforce Development Plan (Plan)

will underpin the delivery of ANSTO's nuclear capable workforce of the future





Questions

70
YEARS
Nuclear Expertise
1953-2023

Thank you



Australian Government



ANSTO