



A NEXT STEP

Part of Canada's
Radioactive Waste Review



CANADA'S INTEGRATED STRATEGY FOR RADIOACTIVE WASTE

Roundtable Session

2021



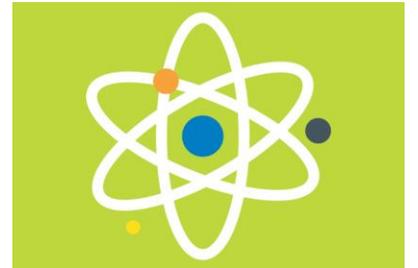
**WELCOME
BIENVENUE**



WHY WE WANT TO HEAR FROM YOU

AGENDA

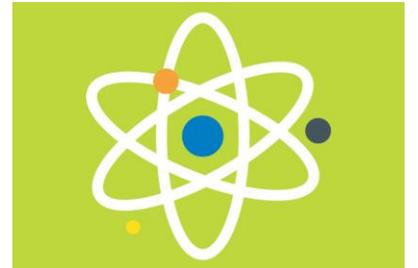
1. Welcome
2. Presentation of background information
3. Q+A
4. Roundtable Discussion
5. Closing



ISRW PROJECT

In November 2020, the Minister of Natural Resources Canada asked the NWMO to lead the development of an **integrated strategy on radioactive waste (ISRW)**

- Radioactive waste safely managed today
- Several long-term plans and projects exist
- Some gaps exist
- This strategy represents a **next step**



WHAT ARE THE DIFFERENT LEVELS OF RADIOACTIVE WASTE?



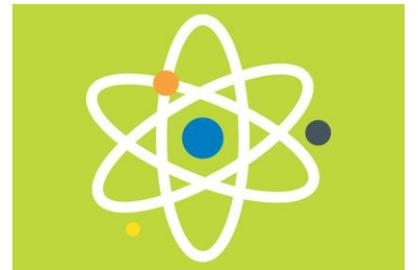
FOCUS IS ON GAPS IN EXISTING PLANS

NO GAPS:

- **High level radioactive waste** - a long-term plan is in place through the NWMO's DGR project
- **Uranium mine and mill waste** - disposal facilities are in operation

GAPS:

- Some long-term planning is underway for **low-level radioactive waste**, but several gaps exist
- **No long-term management plans in place for any of Canada's intermediate-level waste** - this is also a gap in the system.



INTERNATIONAL BEST PRACTICE

"Canada's low- and intermediate-level radioactive waste is **safely managed today** in interim storage.

An **integrated strategy** will ensure the material continues to be managed in accordance with international best practices over the longer-term."

- Laurie Swami, president and CEO, NWMO



HOW OTHER COUNTRIES ARE MANAGING THEIR RADIOACTIVE WASTE





des centrales nucléaires – doivent être
isolés de manière plus étanche,

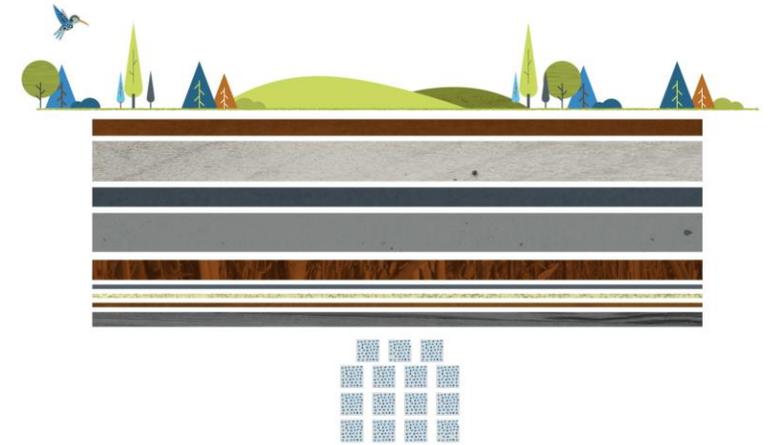
WHAT WILL ISRW INCLUDE?



**Taking Stock of
Current
Waste Management
Situation**



**Engaging on Options to
Address the Gaps**



**Making
Recommendations for
Long-Term
Management Solutions**



NWMO was asked to help



radwasteplanning.ca
plandechetsradioactifs.ca



Open, Transparent
Engagement Process

20 years

experience engaging
Canadians,
Indigenous peoples
and **industry**



TIMELINE

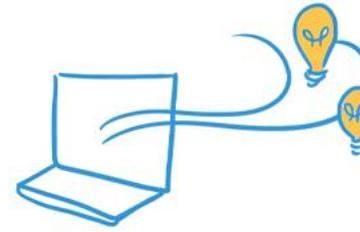




Safety as overarching principle



Environment is protected



Informed by the best available knowledge



Respect Indigenous rights and treaties



Security must be ensured

GUIDING PRINCIPLES



Be transparent and inform and engage the public



Make use of existing projects

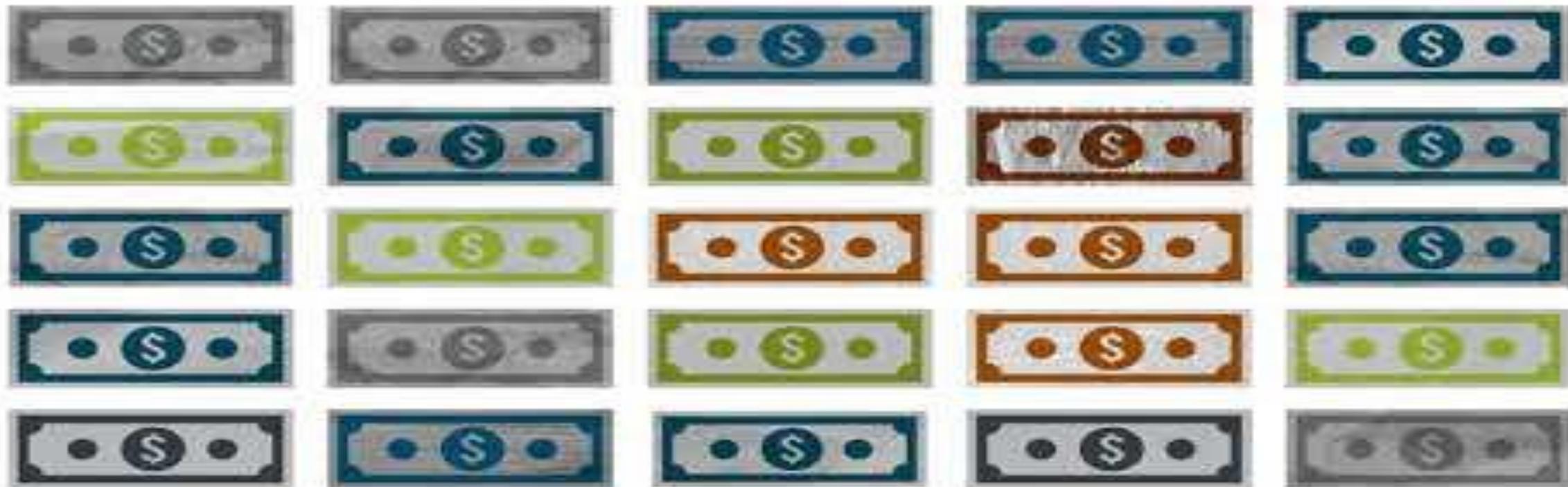


Fiscally responsible

Meets or exceeds regulatory requirements

HOW IS WASTE REGULATED





dans le respect de l'environnement et de manière exhaustive –
et à ce que des fonds soient mis en place pour le faire correctement.

HOW WASTE IS, AND WOULD BE TRANSPORTED





ainsi que l'activité à laquelle elle est associée,
déterminent le type de colis utilisé pour la transporter.



Q&A

HOW WASTE IS BEING MANAGED NOW, AND HOW IT COULD BE MANAGED OVER THE LONG-TERM





En vertu de cette solution, les déchets radioactifs voyageraient moins longtemps sur les routes et côtoieraient un moins grand nombre de collectivités.



ROUNDTABLE



GUIDELINES FOR PRODUCTIVE SESSION

Suspend judgment,
challenge your own
assumptions

Recognize and respect
diverse perspectives

Look for common
ground

Share the air time

Listen to understand

ICE BREAKER



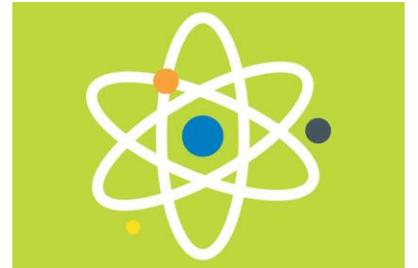
**WHEN YOU THINK
ABOUT RADIOACTIVE
WASTE, WHAT COMES
TO MIND?**

TOPICS FOR DISCUSSION



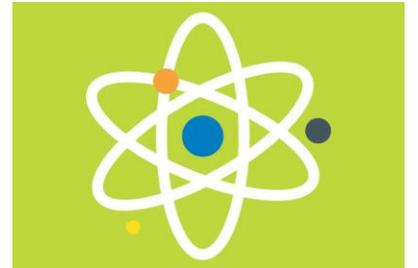
- What is **most important to get right** when developing an Integrated Strategy for Canada's Radioactive Waste?
- How do we best deal with Canada's **Low-Level Waste** and **Intermediate-Level Waste** over the long-term?
 - What type(s) of facilities should we use?
 - Rolling stewardship vs disposal
 - How many of them should we build?
- **Who** should be responsible for implementing the strategy?

What is **most important to get right** when developing an Integrated Strategy for Canada's Radioactive Waste?



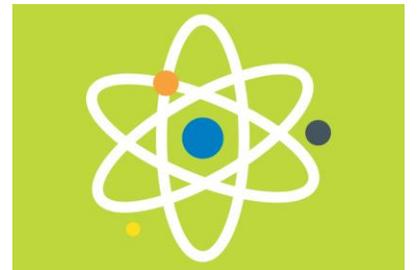
How do we best deal with Canada's **Low-Level Waste** over the long-term?

- What type(s) of facilities should we use?
- Rolling stewardship vs disposal
- How many of them should we build?

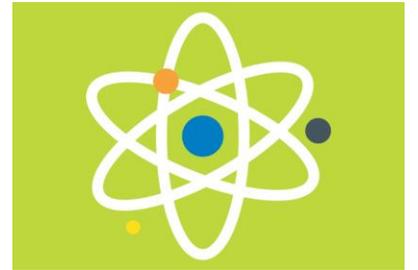


How do we best deal with Canada's **Intermediate-Level Waste** over the long-term?

- What type(s) of facilities should we use?
- Rolling stewardship vs disposal
- How many of them should we build?



Who should be responsible for implementing the strategy?





GET INVOLVED

Register for updates

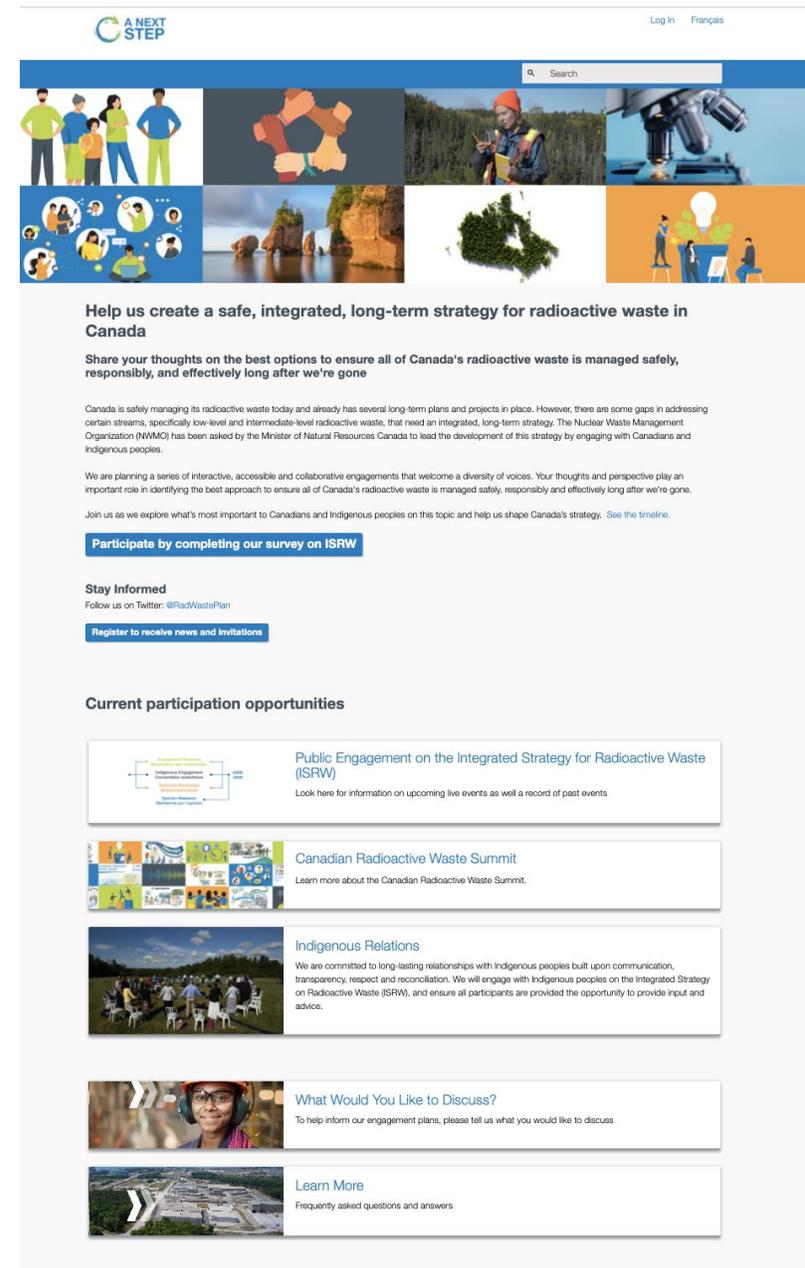
Make a formal submission

FAQ

Learn More

Take our Survey

www.radwasteplanning.ca



The screenshot shows the 'A Next Step' website interface. At the top, there is a navigation bar with the logo, 'Log In', and 'Français'. Below the navigation bar is a search bar and a grid of six images: a family, a map of Canada, a person in a field, a microscope, a group of people, and a lightbulb. The main content area features a heading 'Help us create a safe, integrated, long-term strategy for radioactive waste in Canada' followed by a sub-heading 'Share your thoughts on the best options to ensure all of Canada's radioactive waste is managed safely, responsibly, and effectively long after we're gone'. Below this is a paragraph of text and a button 'Participate by completing our survey on ISRW'. Further down, there is a 'Stay Informed' section with a Twitter link and a 'Register to receive news and invitations' button. The 'Current participation opportunities' section lists five items: 'Public Engagement on the Integrated Strategy for Radioactive Waste (ISRW)', 'Canadian Radioactive Waste Summit', 'Indigenous Relations', 'What Would You Like to Discuss?', and 'Learn More'. Each item has a small image and a brief description.



235
U
Uranium

60
Co
Cobalt

THANK YOU

info@radwasteplanning.ca

www.radwasteplanning.ca