

IS INTEGRATION ON RADIOACTIVE WASTE MANAGEMENT IN INDONESIA

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Background

IS was developed to support licensing and inspection, including and the licensee's radioactive waste inventory in BAPETEN (BALIS)

2021: BATAN to BRIN

Integrated between two IS was once succeeded, but since the merging of BATAN into BRIN the ISs are no longer integrated.

2022&2023: national coordination on radioactive waste

Resultes on road map for radioactive waste issues. The issue of IS integration was mentioned, demended resolution.



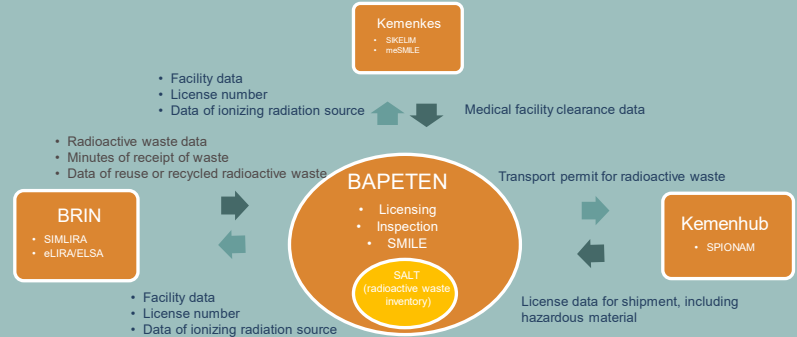
Why IS integration is important

Some radioactive waste data are redundant, and some are unidentified yet interconnected

Some licensee use 3rd party to manage the radioactive waste. Seamless radioactive waste management system helps prevent lost of radioactive source or misconduct



Result: The data transfer plan for the integration of the IS between stakeholders



- SALT:** contains data on the radioactive waste inventory in the IPLR BRIN. SALT 1.0 is down, SALT 2.0 is developing.
- SPIONAM :** licensing system for land transportation developed by Kemenhub (Ministry of Transportation).
- SIKELIM:** holds the medical facilities using nuclear medicine applications and radioactive waste from nuclear medicine data.
- meSMILE:** provides the amount of radioactive waste (in kg), interconnected with SIRAJA of Ministry of environment and forestry

What we found

10 Information systems (IS) are developing Some already interconnected with other IS.

Different stakeholders have different systems, capacities, and need different approach. **5** stakeholders

So, what do we do now?

Development of policy and subsidiary legal basis for framework and a structured program of integration



Updating cooperation/ legal scheme for the integration, according to the latest change of situation

Follow-up the integration plan and intensive coordination between the involved party or PIC



Question?

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Challenges?

- Bureaucracy capacity, needs capacity building
- Lack of resources (time, human resources, fund)
- Technical problem, especially if use third party
- Data security

Conclusion

Integrated IS can provide an efficient process for radioactive waste management and support the radioactive waste program, including the radioactive waste disposal choice.

IS helps determine the classification scheme, the regulatory practice, and the storage and final disposal of radioactive waste.

Integrated IS also supports the decision-making in developing new interim storage regarding the amount of radioactive waste and capacity of the current available interim storage.

Further steps need to be taken to maintain the integration or further development of the integrated IS. Therefore, improvement and sustainable coordination are essential.