

How IFE contributes to handle challenges associated with LSA waste and contamination?

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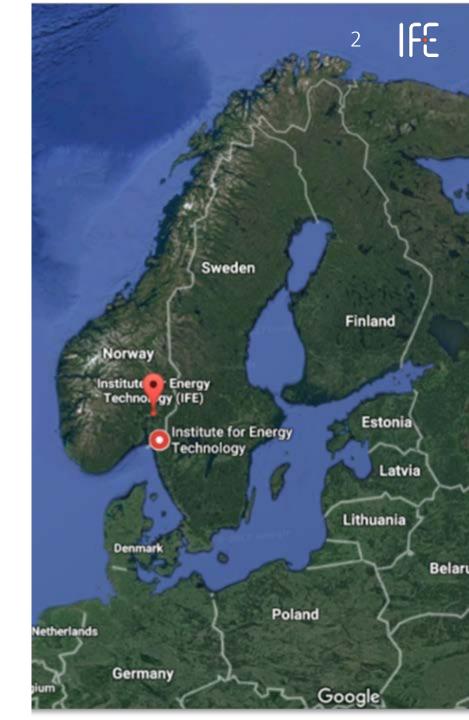
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Institute for Energy Technology (IFE)

- The reactor operations were terminated in 2018-2019, and IFE's nuclear activities are currently in a transition phase.
- The government agency Norwegian nuclear decommissioning (NND) will take over the license for the reactors and nuclear facilities to be decommissioned.
- IFE is divided into three business areas/divisions:
- ➤ Nuclear Technology (NUK)
- ➤ Radiopharmacy (RF)
- ➤ Research and Development (R&D)

Environmental and Radiation Safety Department

(Ole Reistad)



IFE

Environmental Safety and Radiation Protection Department

Types of samples



Industrial

- Oil and gas industry
- Mineral industry (NORM)
- Waste handling/ management (scale, NORM)

Environmental

- Water
- Sediment
- Stones
- Grass
- Milk
- Grain
- Fish
- Aquatic plants
- Blueberries

from IFE's activities

- Discharges of radioactive nuclides from IFE
- Environmental monitoring program

Biological

Urine











Challenges for our laboratory



- More samples, quicker results.
 - Number of samples in 2021 near doubled
 - Analysis time reduced from 6 to 4 weeks when possible.
- Increase of capacity and efficiency
 - New lab, new employees
 - "Assembly line" for preparation of samples
 - Adapting analysis to customers requirements
 - More efficient data management
- Return of measured samples is still a challenge
 - Make plans before the samples arrive...





