



Innovative nuclear fuel cycles and materials strategies

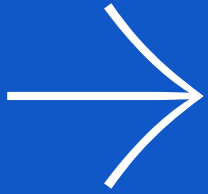
Véronique Rebeyrolle

Fuel BU R&D and IP Senior
Manager

FISA – EURADWASTE 2025 and SNETP Forum

2025, May 14



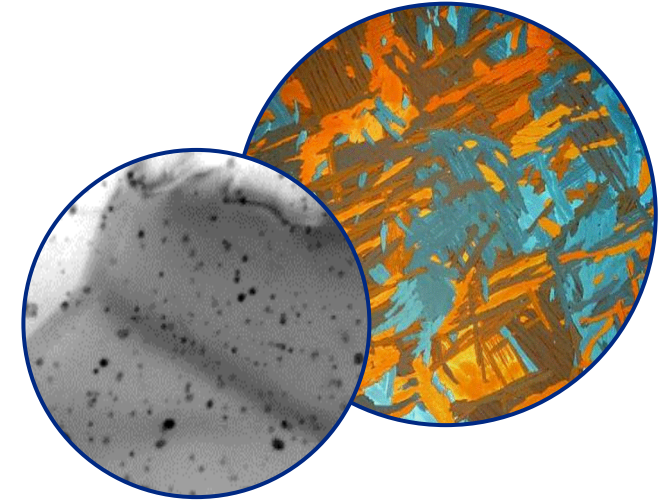


Short Bio

- Graduated from INSA Lyon



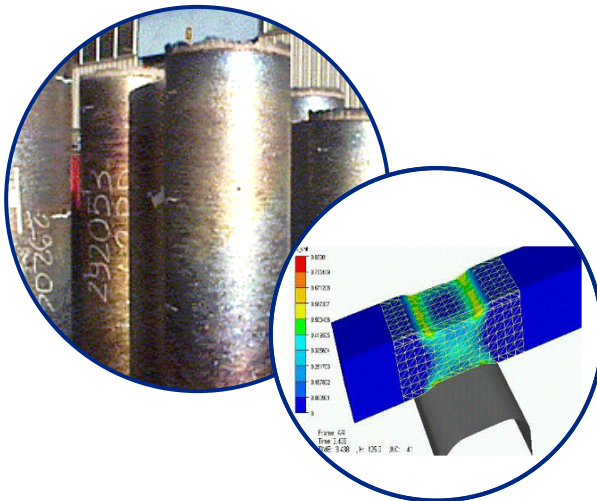
- Research on Zirconium based alloys



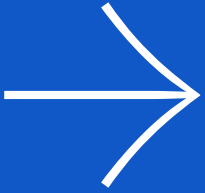
- Component Research Center's Manager



- Fuel Materials – Product Line Manager



- Since 2016, Fuel Business Unit Research & Development and Intellectual Property Senior Manager



Research Areas focused on utility needs and on innovation



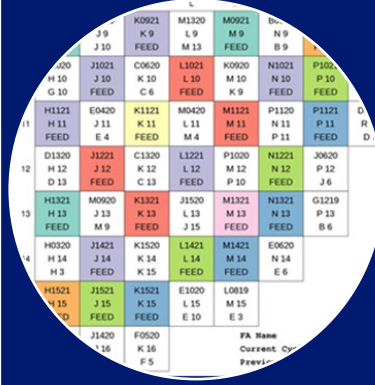
Advanced Fuel Products

GAIA (PWR)
ATRIUM 11 (BWR)
VVER Fuel



Enhanced Accident Tolerant Fuel

PROtect Cr



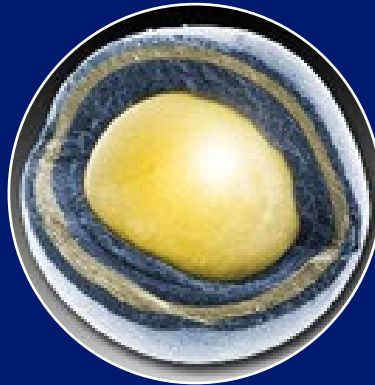
Advanced Fuel Management

High enrichment & high burn-up for long cycles



Innovation

Additive Manufacturing for Fuel components
Artificial intelligence



Fuel for Advanced Reactors

Fuel for LWR SMRs
Fuel for AMRs (TRISO, Fast Reactors Fuel)





‘Advanced Fuels Technology Hub’ : Bringing together Framatome’s assets and skills on Advanced Fuels and Core Components

