

## High density fuel development and core conversion at FRM II

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FRM II's nuclear license contains an obligation to exchange its nuclear fuel to a lower enrichment once such a fuel is available. This task contains essentially two major pillars, the participation in the world-wide efforts to develop the fuel and to perform the necessary core calculations for this specific reactor. In the last 10 years, a scenario for the core conversion has been developed and significant progress has been made in fuel manufacturing and irradiation behaviour understanding. This talk will overview these developments and also argues on the associated boundary conditions and difficulties.

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