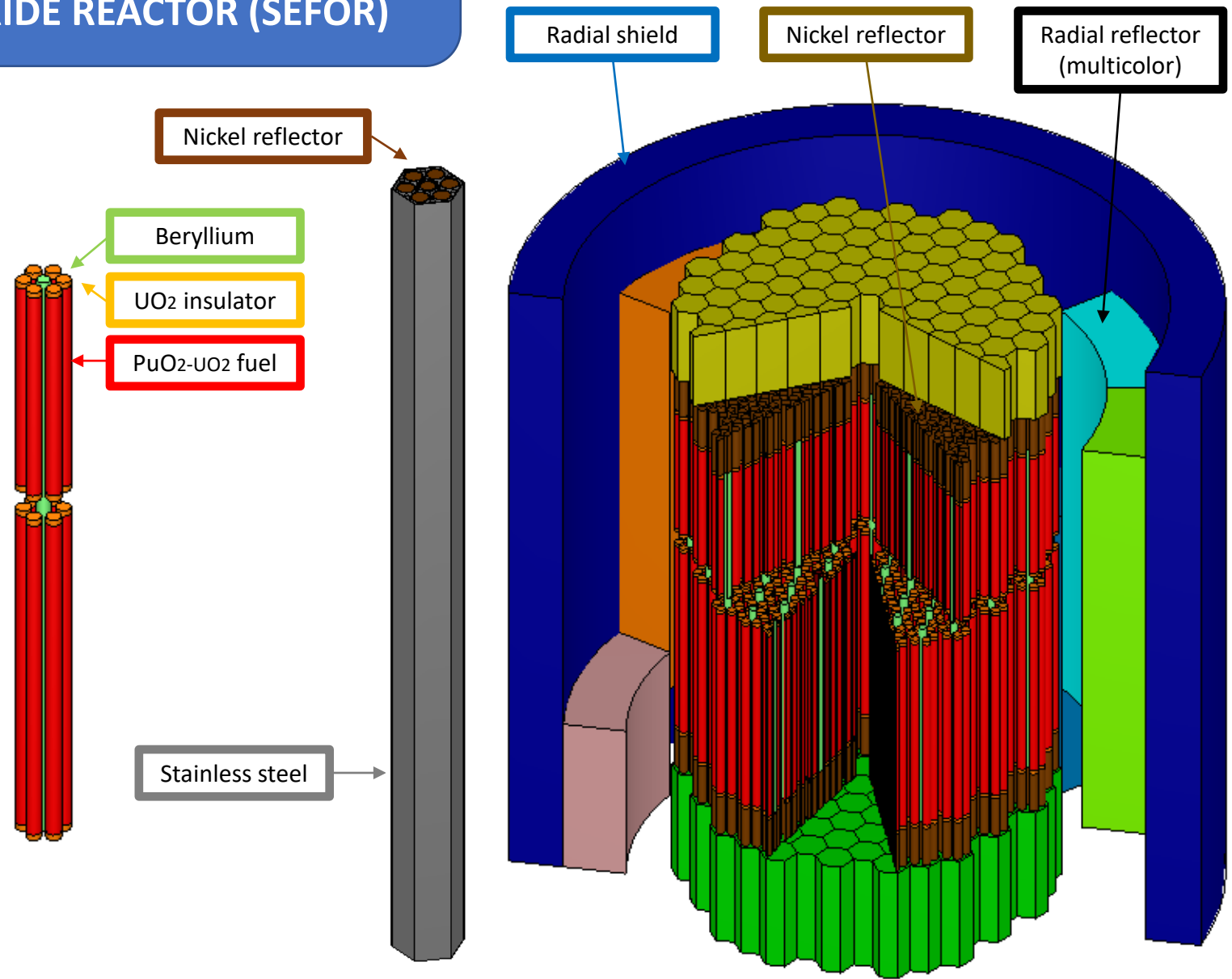


SOUTH-WEST EXPERIMENTAL FAST OXIDE REACTOR (SEFOR)

- **SEFOR** is a MOX-fueled sodium cooled fast reactor.
- No control rods, the reactivity is controlled by adjusting the position of the reflector surrounding the active core.
- The American General Electric Company and the West German Karlsruhe Laboratory conducted a **series of experimental programs** from 1969 to 1972 (mainly focused on Doppler)
- Proposed by L. Buiron (CEA) in OECD/NEA SFR-UAM benchmark for validation of multi-physics simulation tools and used at UPM for assessment of JEFF nuclear data libraries in the frame of EU SANDA project.
- Model for KENO-VI/SCALE6.2.4.



CORE I-E Model developed by M. Redondo, N. García-Herranz and A. Jiménez-Carrascosa (UPM) under the sponsor of CSN (Spain)