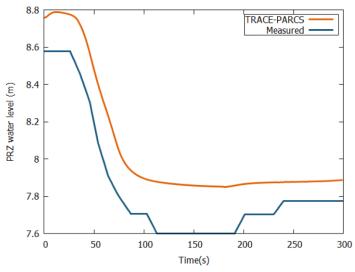


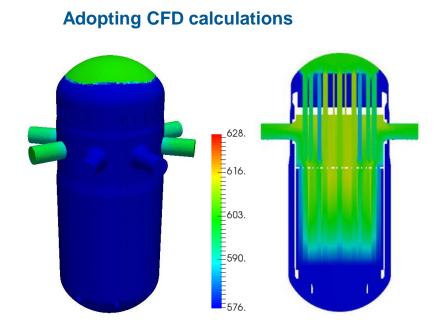


# **CATS** – modelling transient events

More reliable answers to safety requirements set in the YVL guides through refining transient safety analysis calculations

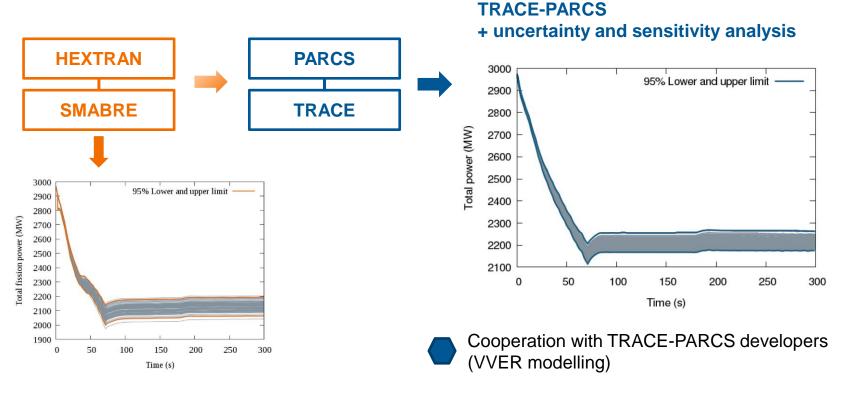


**Transient analyses** 



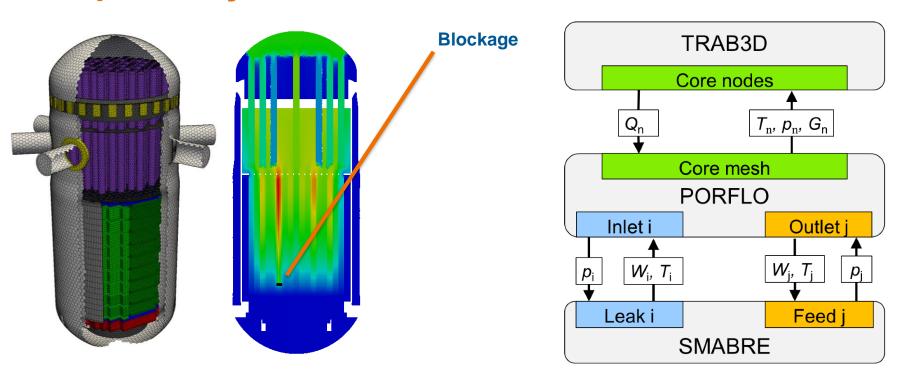


### **New tools**





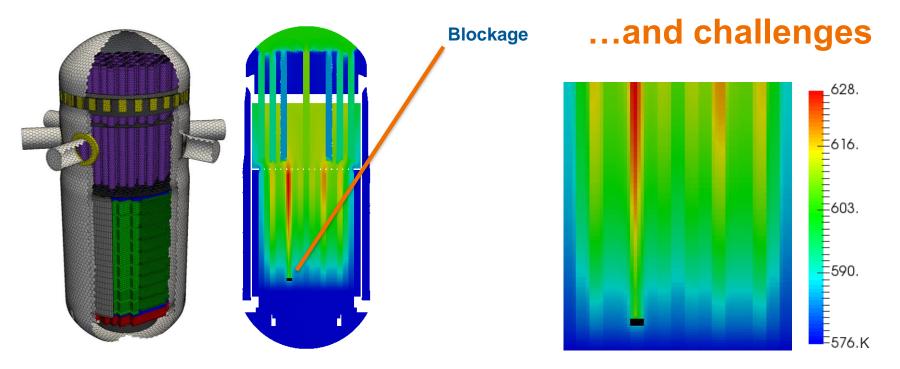
### **Exploratory research finds new solutions...**



Coolant temperature in an EPR core with a blocked assembly



### **Exploratory research finds new solutions...**



Coolant temperature in an EPR core with a blocked assembly



## Refining the modelling of transient events

### Tools and the expertise to use them

- Development and adoption of the next generation of safety analysis tools
- International collaboration

Research pushes on the boundaries of what really can be modelled

Obtaining information where none was before



# bey<sup>O</sup>nd the obvious

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