



LNCFM



European Magnetic Field Laboratory

Integrating Modeling Toolchain into High Field Magnet Monitoring and Control system.

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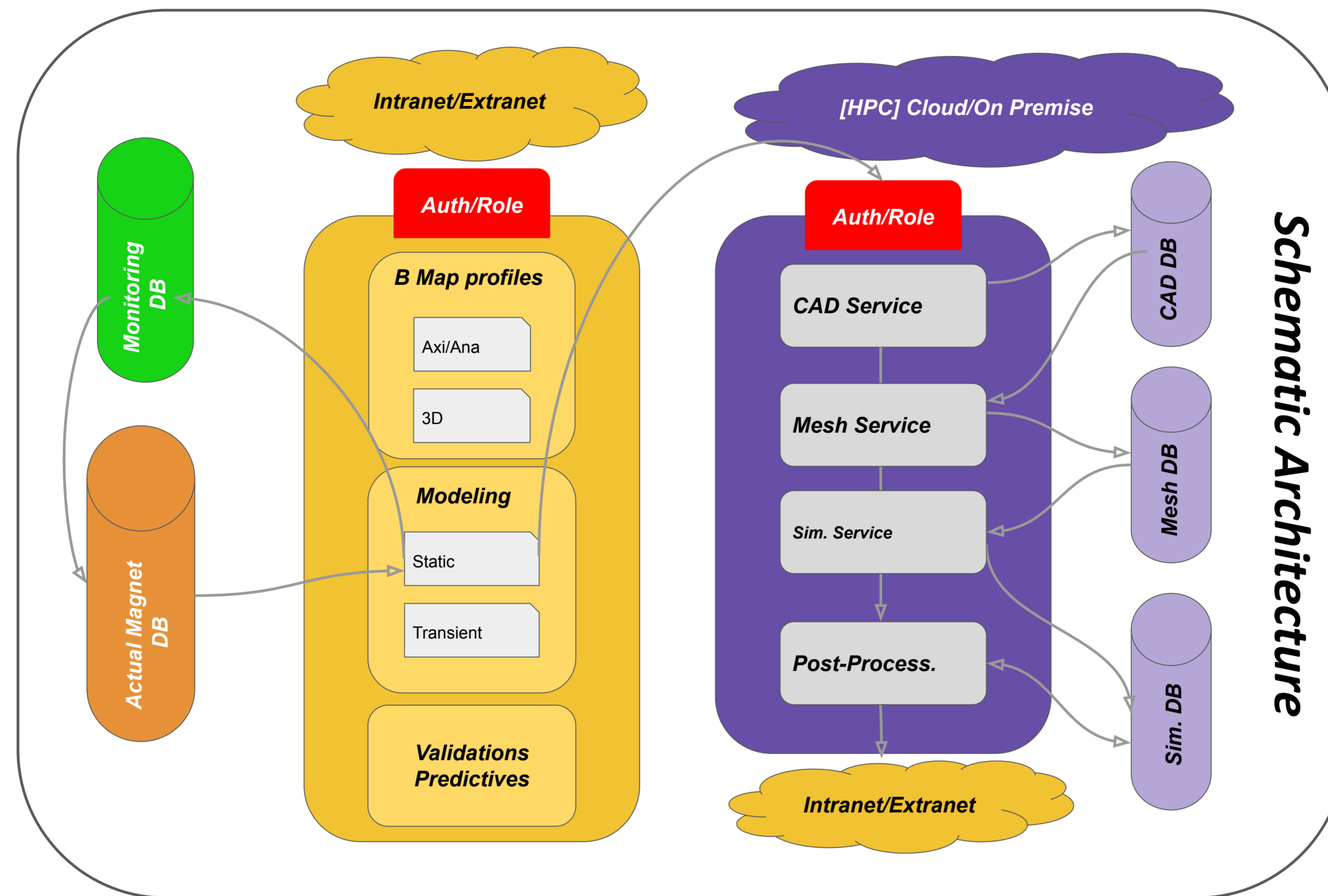
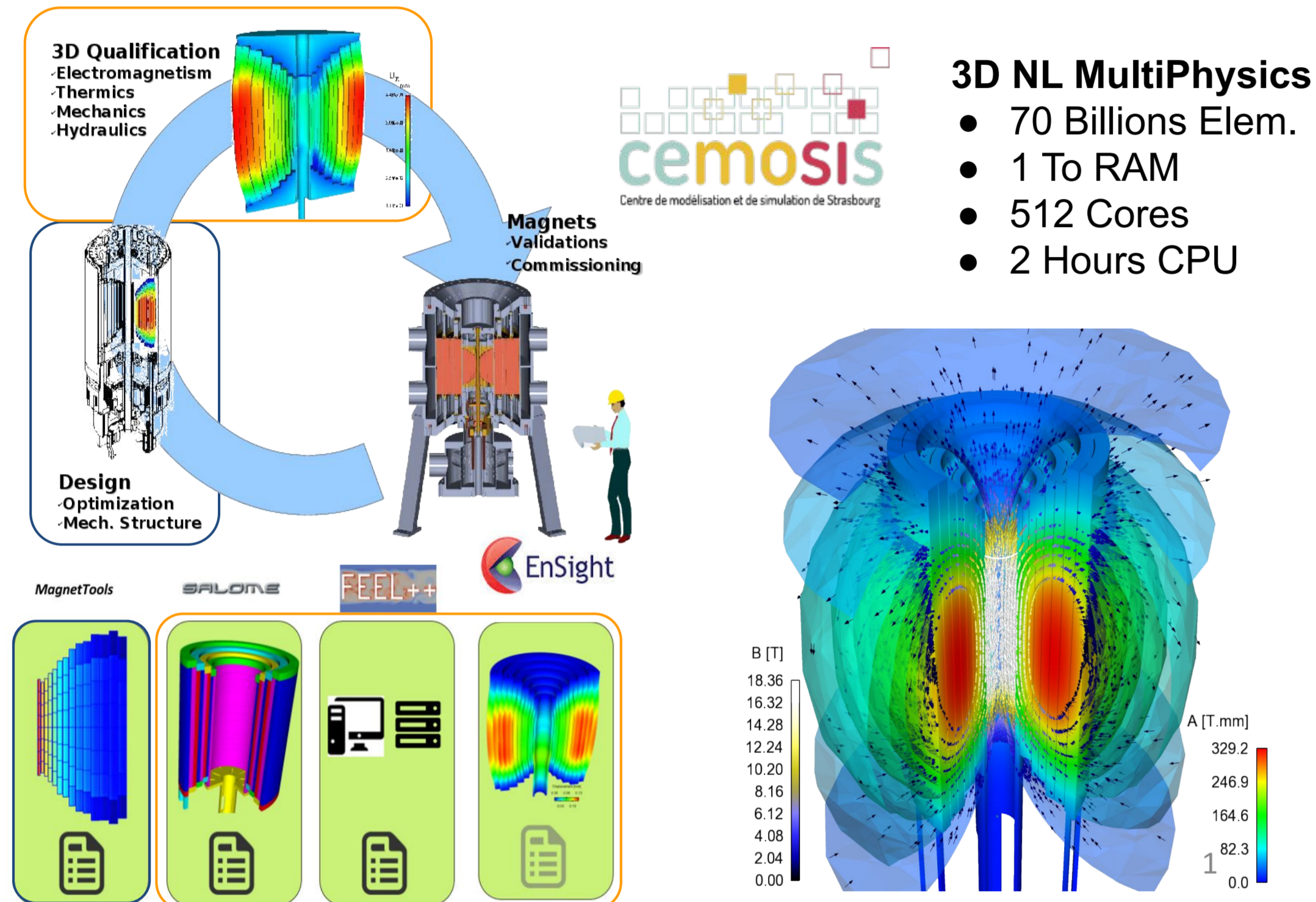
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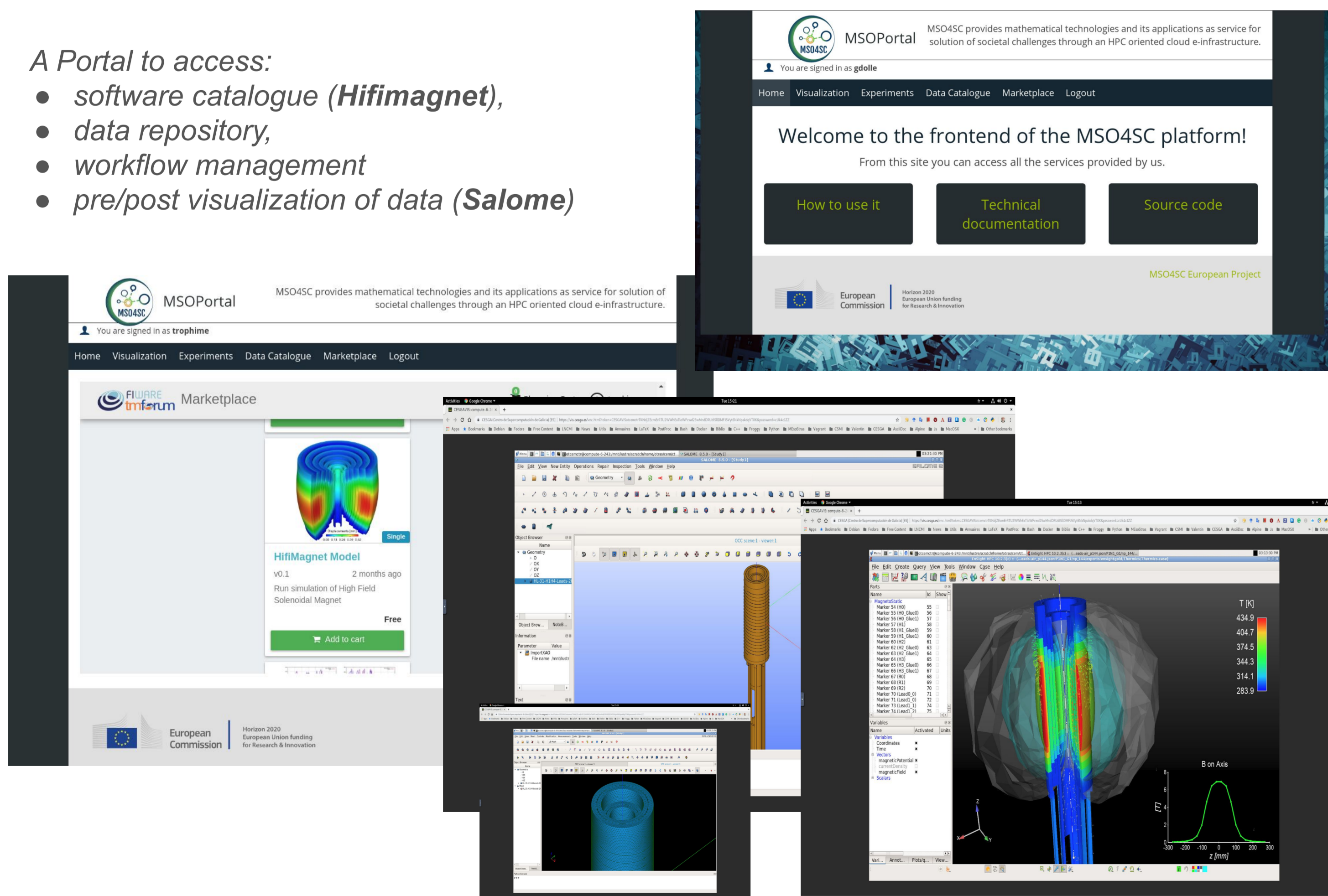
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HifiMagnet: a software tool Chain



MSO4SC: HPC Cloud Computing service

- A Portal to access:
- software catalogue (Hifimagnet),
 - data repository,
 - workflow management
 - pre/post visualization of data (Salome)

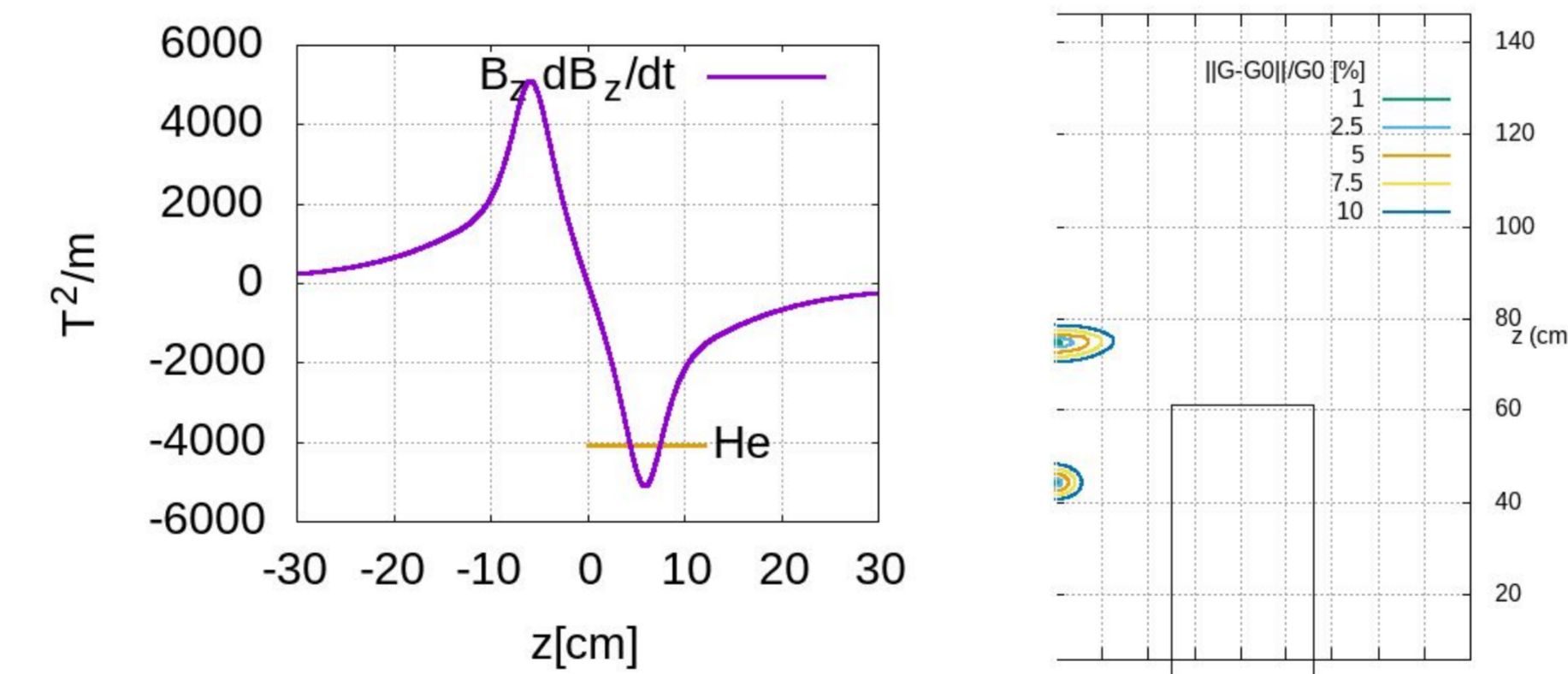


- Software CI/CD, provided as HPC containers
- Easy access to HPC resources (defined as yaml file)
- Only basic knowledge of HPC

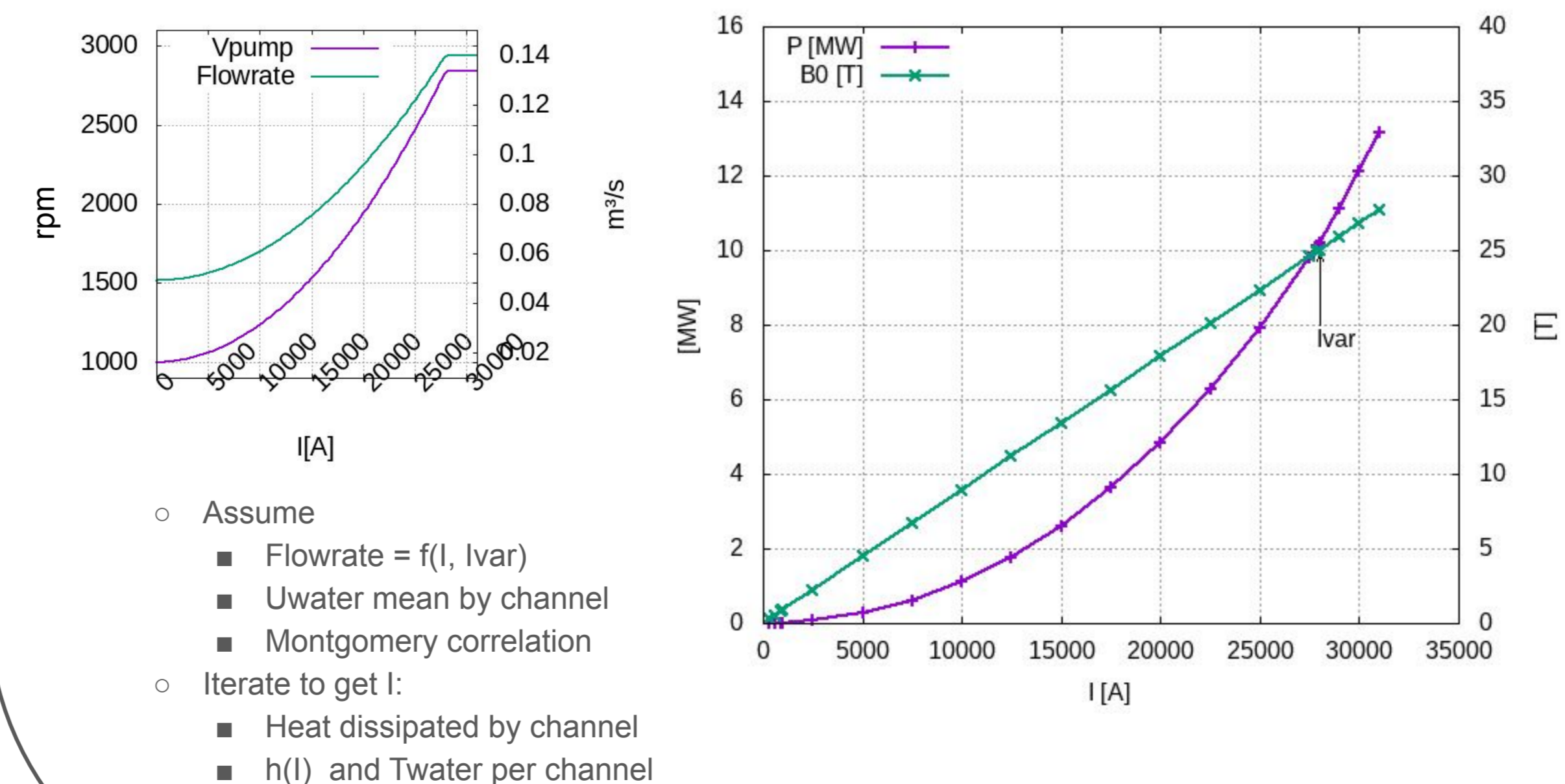


Use cases:

Cooling of HTS Nougat prototype (Jan. 2019) [Fri-Mo-Or27-04] Magnetic Levitation of liquid He



14 Helices Insert (Jul. 2019) : Commissioning (Axi Model)



14 Helices Insert in Operation (Mar. 2017) : Reproduce plateau (3D Model)

