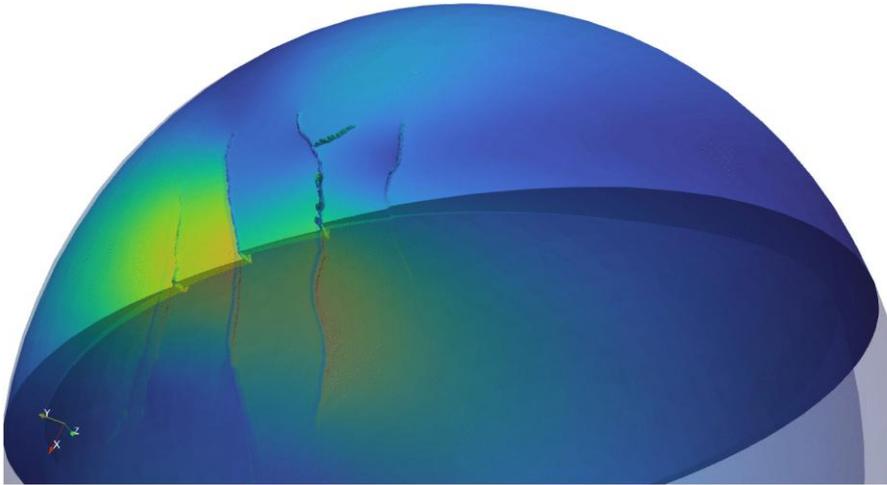
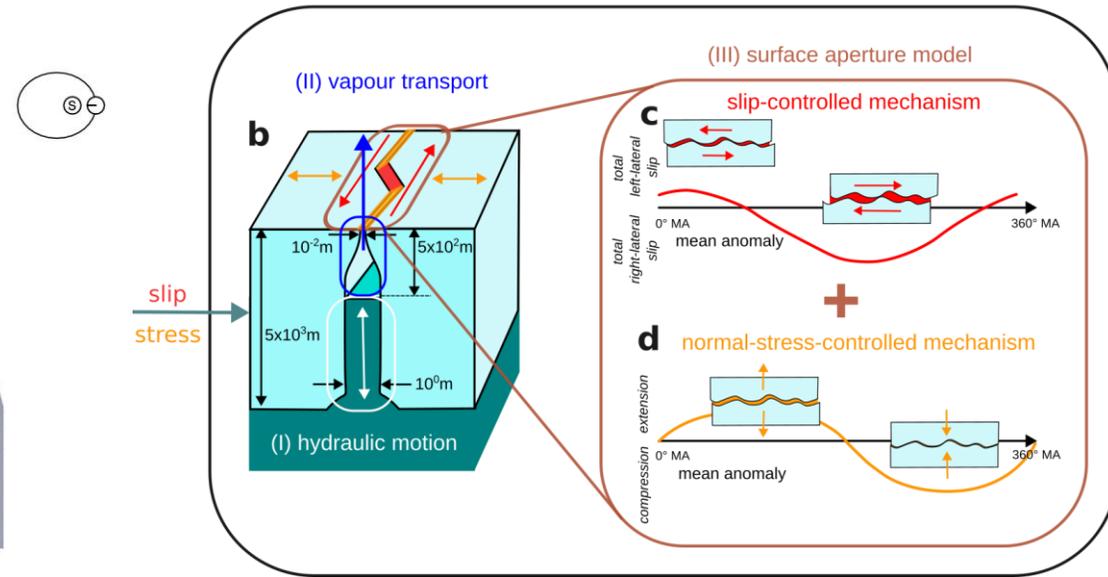


### 3D global model for tidal deformation of Enceladus ice shell



### 1D local model for vapour flux controlled by fault dynamics



- ➔ explains modulations of plume activity
- ➔ enables planning of future missions

**Référence** : O. Souček, M. Běhounková, M. Lanzendörfer, **G. Tobie, G. Choblet**, Variations in plume activity reveal the dynamics of water-filled faults on Enceladus, Nature Communications, vol 15, Article number: 7405 (2024)

<https://communities.springernature.com/posts/exploring-the-mysteries-of-enceladus-unravelling-the-secrets-behind-its-plume>

