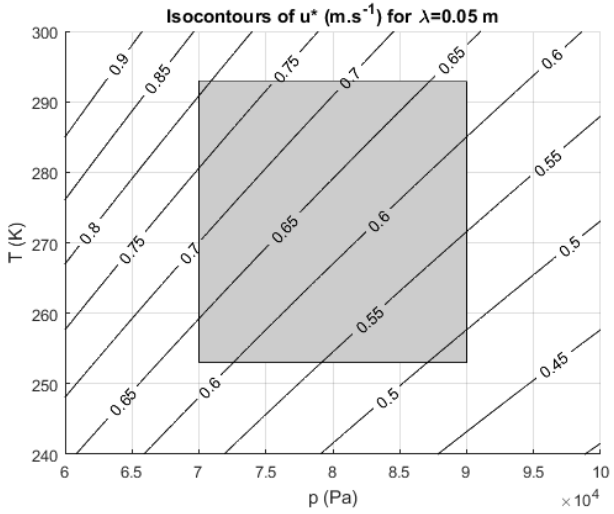
Sublimation waves: field analogues and lab experiments

1. Modeling the coupling of flow dynamics and mass transfer and performing a linear stability analysis *[Bordiec phD]*
2. Application of the results to bedforms assigned to sublimation in several environments *[Bordiec et al, 2020]*
3. Dissolution waves are terrestrial analogues of sublimation waves *[Carpy et al, 2023 accepted]*
4. A new tool for many predictions on planetary surfaces: applications to Earth, Mars and Pluto.

⇒ *Collaboration with MSC, Paris*

[Chaigne et al, 2023 in preparation]



⇒ *Collaboration with LESIA, Paris*

[ANR SHERPA on Pluto (submitted)]

⇒ *Collaboration with PMMH, Paris*

[EUROPLANETS-TA (accepted)]

Flow dynamics + mass transfer → new geomorphic agents on many bodies of the Solar System !