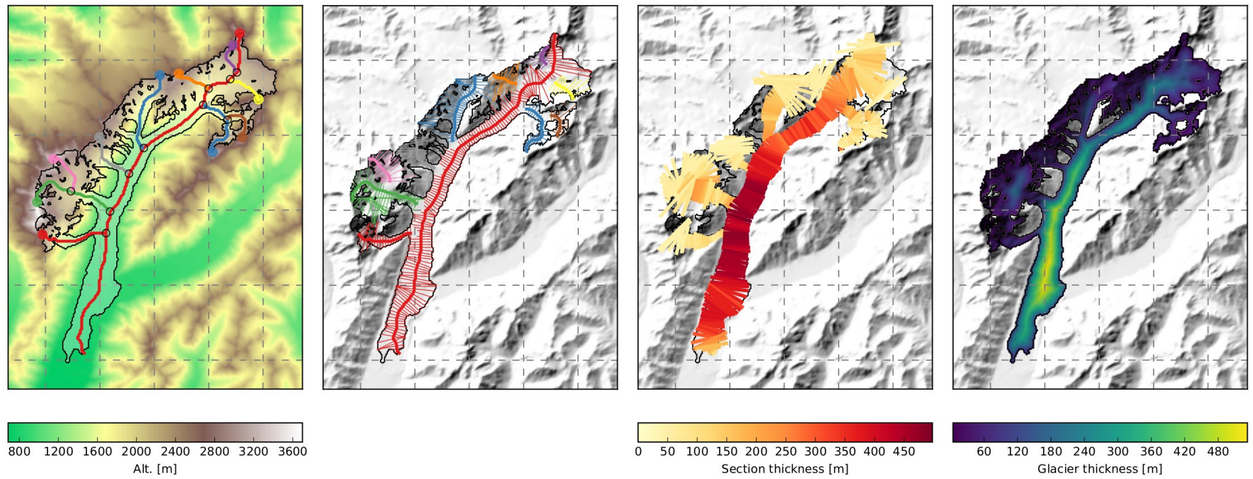
OGGM

Open Global Glacier Model



What is OGGM?

A non-profit and a community: oggm.org
An open-source numerical model: docs.oggm.org
A collaborative educational platform: edu.oggm.org

OGGM edu
Open Global Glacier Model

python powered

Try it online!
→ edu.oggm.org

jupyterhub

binder

Applications

- Sea-level rise
- Water resources
- Ice thickness
- Process understanding
- Glacier hazards
- Communication
- Education ...

Features

- Automated "out-of-the-box" workflow
- Independent and coupled surface mass-balance & ice dynamics models
- Pre- and post processing
- Documentation
- Extensible and modular

Community

- Weekly open calls
- Annual workshops
- Forum
- GitHub
- Contact: info@oggm.org

Topics and challenges that are driving us right now ...

 # Detection and attribution

 # Debris cover

 # Parameter vs input vs projection uncertainty

 # Data assimilation

 # Education

 # Frontal ablation

 # Homogeneity / quality of global data

 # Inverse problems

 # Community engagement

 # Response time

 # Glaciers as indicators of past climate

 # Cloud computing

 # Technical debt

 # Open source & sustainability

... what is driving YOU?