



Elmer/Ice users community: toward a more formal structure

8th Elmer/Ice users meeting

2 February 2022 – Zoom

A 20-year story...

- ✓ EGU2002: OG and TZ meet at EGU
- ✓ March 2003: OG visited CSC for few days: AIFlowSolver and FabricSolver partly implemented
- ✓ August 2005-July 2006: one year visit of OG at CSC (Anisotropy, cavity, glaciers, ISMIP tests, ...)
- ✓ February 2008 – First Elmer/Ice Course – Grenoble

...



Context

- ✓ Small and young (immature?) community
in comparison to Ocean and Climate models community
- ✓ But we are getting older and larger – how can we learn from the existing communities in Ocean and Climate field to be better organised?

For what?

- ✓ Understand the needs from users that will not be necessary developers
- ✓ Plan and organise new developments (e.g. avoid different groups working on the same developments)
- ✓ Make sure that new developed materials are distributed, documented and maintained
- ✓ Improve performance, stability and robustness
- ✓ Participate the different MIPs
- ✓ Distribution of GIS, AIS, glacier configurations
- ✓ ...

Particularities of Elmer/Ice

- ✓ Build on Elmer
- ✓ Depend on a number of other libraries (advantages and difficulties)
- ✓ Very modular
- ✓ ...

Current structuration / animation (tools for)

- Elmer/Ice website
 - Try to have an updated list of the Elmer/Ice related publications
 - News for each new publication, course, etc...
 - Information relative to new events (course)
- Elmer/Ice wiki
 - Documentation of solvers, user functions, tools, configurations,...
- Elmer/Ice forum (*111 topics since 2013*)
- Elmer/Ice mailing list (*71 members*)
- Elmer/Ice beginner courses (*at least one per year since 2011*)
- Elmer/Ice Users Workshop (*8 since 2013*)
- @ElmerIce1 on Twitter (*62 subscriptions, 273 subscribers*)

Can we do more/better?

- ✓ French context:
 - ✓ ANR EIS, ESM2025: Elmer/Ice(-sheet) should become the ice-sheet component of French Earth models
 - ✓ Label from CNRS:
 - ✓ recurrent funding (small, ~3k€/year) to organize the animation of the Elmer/Ice community (courses, workshop, website, etc...)
 - ✓ Potential to get a new permanent position
- ✓ Would be great to officialise the exitance of two committees:
 - ✓ Elmer/Ice users committee: could be on the form of regular (2 per year) users workshop like this one?
 - ✓ Elmer/Ice developers committee: CSC (Thomas, ?), IGE (Fabien, Gag, ?), other “stable” contributors (Rupert, ?)
- ✓ Other ideas?