## Alt-Ergo @ SMT-Comp 2018

- based on version 2.2.0 presented by Albin yesterday,
- improve triggers inference, in particular for multi-triggers,
- allow/propagate more triggers in the backend,
- improve handling of Let-In,
- enable additional heuristics before returning unknown,
- experimental : enable a kind of first-order resolution
- experimental : SAT detection in some situations
- add the ability to run several strategies in parallel

https://github.com/OCamlPro/alt-ergo

## Ctrl-Ergo @ SMT-Comp 2018

- a prototype I developed during my thesis to validate our work published at IJCAR'2012
  - Simplex-based Fourier-Motkzin procedure to decide QF\_LIA
- pre-processing for QF\_LIA Let-In and Ite expressions
- general Simplex for QF\_LRA
- mini-SAT based SAT solver
- extended to be able to run several strategies in parallel

https://gitlab.com/OCamlPro-Iguernlala/Ctrl-Ergo