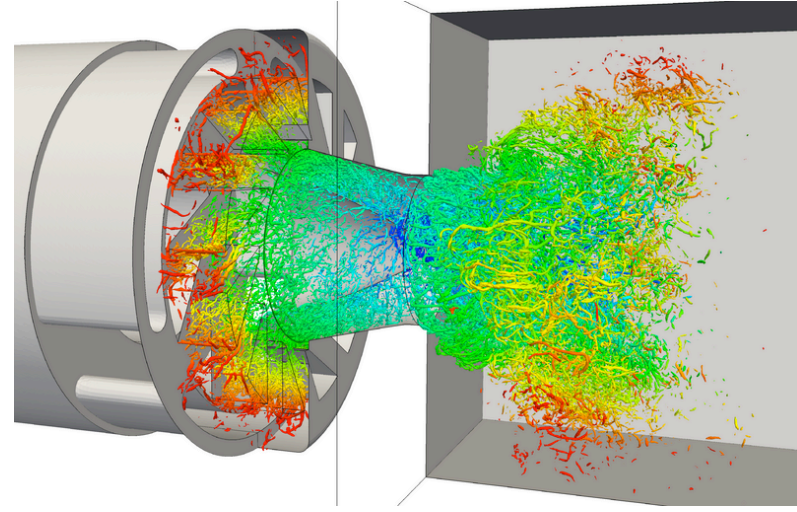
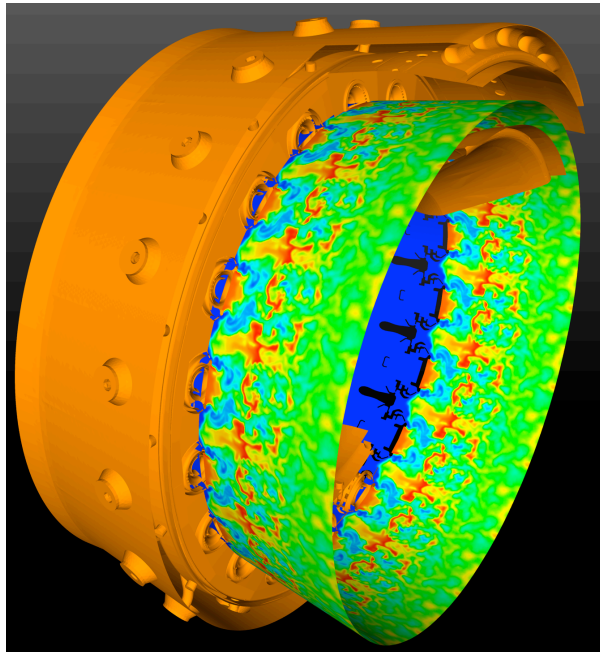
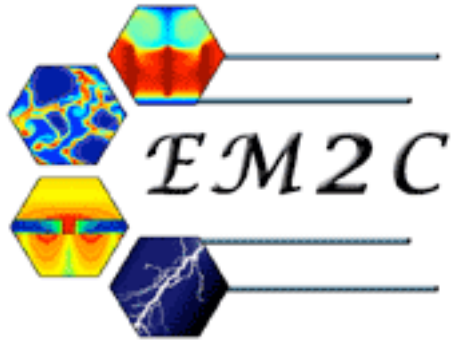




SUCCESS

UMR 6614
coRia
COMPLEXE DE RECHERCHE
INTERPROFESSIONNEL EN AÉROTHERMOCHIMIE

SUCCESS was created in 2012 to help the promotion of super-computing in the area of Computational Fluid Dynamics (CFD) for complex geometries. It is coordinated by the CORIA lab and is composed of 8 French public labs.



Our objectives

- ✓ Distribute in the labs research HPC codes for CFD in complex geometries
- ✓ Ensure the training of users
- ✓ Manage the development roadmap
- ✓ Share databases of high-resolution simulations
- ✓ Promote super-computing

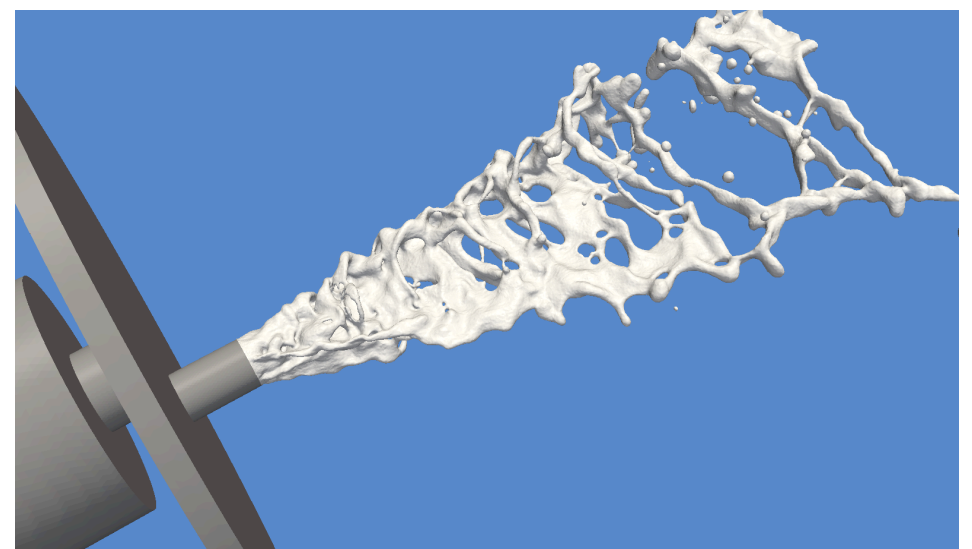
Some facts

- ✓ 8 French public labs
- ✓ Around 120 researchers and students
- ✓ 2 PRACE proposals accepted over the recent years
- ✓ Several prizes related to SUCCESS codes: Bull-Joseph Fourier prize, IBM faculty award, ...



The labs

- ✓ CNRS labs: CORIA, EM2C, I3M, LEGI, IMFT, LMA
- ✓ EPIC labs: CERFACS, IFP-EN



AVBP

A massively-parallel finite-volume and finite-element 3D code for the simulation of compressible turbulent reactive and two-phase flows.

YALES2

A massively-parallel finite-volume 3D code for the simulation of turbulent reactive and two-phase flows at low-Mach number.

Website : <http://success.coria-cfd.fr>

Contact: vincent.moureau@coria.fr

A joint initiative of French labs for the promotion of Super-Computing for the modeling of Combustion, mixing and complex fluids in rEal SyStems.