

INTECOCIS - an ERC advanced grant at IMF Toulouse



INTECOCIS is an ERC advanced grant (see erc.europa.eu/advanced-grants for information on ERC advanced grants) dedicated to the study of **combustion instabilities** using **massively parallel computing** on the largest world systems. It is a joint project coordinated by CNRS (DR14 Midi Pyrénées) and lead by **two research centers**, ***Institut de Mécanique des Fluides de Toulouse*** (which is the project leader and is specialized in experiments, theory and instabilities) and ***CERFAO*** (expert in numerical simulation). INTECOCIS started in February 2013 and will run for five years. It will allow to hire more than ten Phd students and postdoctoral and senior researchers. The massively parallel simulations required for INTECOCIS will be performed on the **GENCI** machines as well as on **PRACE** systems. The Principal Investigator of INTECOCIS is **Dr Thierry Poinso**, CNRS research director.

[Dr Laurent Selle](#) (IMFT) and [Dr Laurent Gicquel](#) (CERFACS) are the scientific co-investigators.