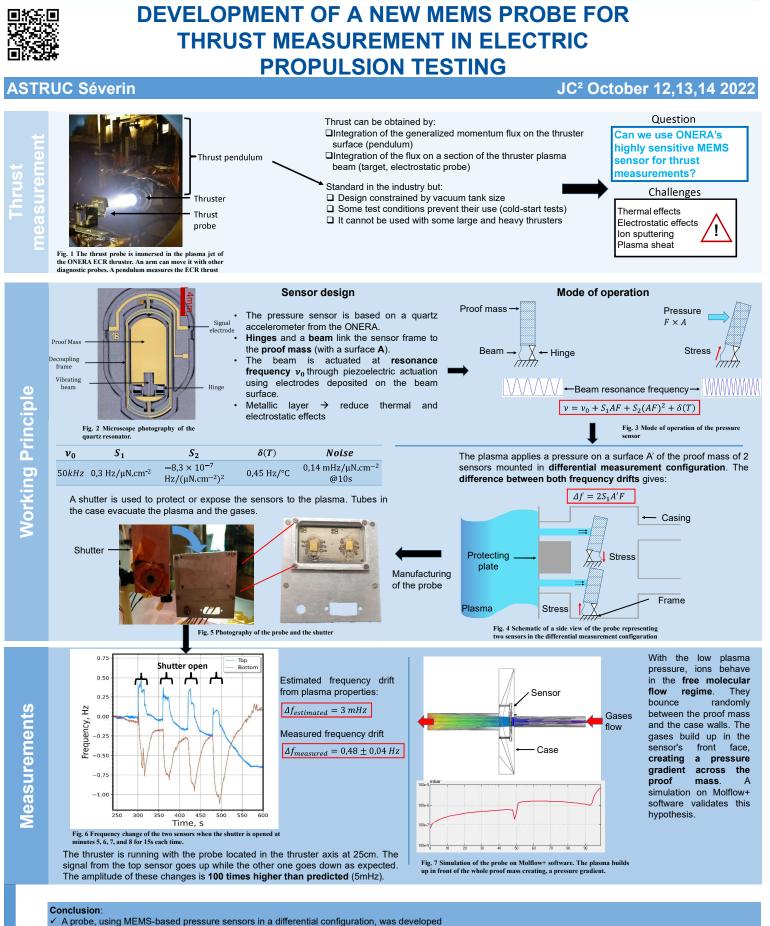




THE FRENCH AEROSPACE LAB





- ✓ A probe, using MEMS-based pressure sensors in a di
 ✓ The probe was used in the plume of an ECR thruster.
- Various biases were corrected (variation, probe charging) to obtain a repeatable signal.

Repeatable unwanted perturbations still influence the pressure measurement, possibly the gas buildup in the probe cavity.
Perspective :

- \rightarrow Try this design on a different plasma source
- → Design a new probe (sensor + casing) to improve the measurement
- \rightarrow Understand the plasma flow when a probe is immersed in the plasma jet (simulation)