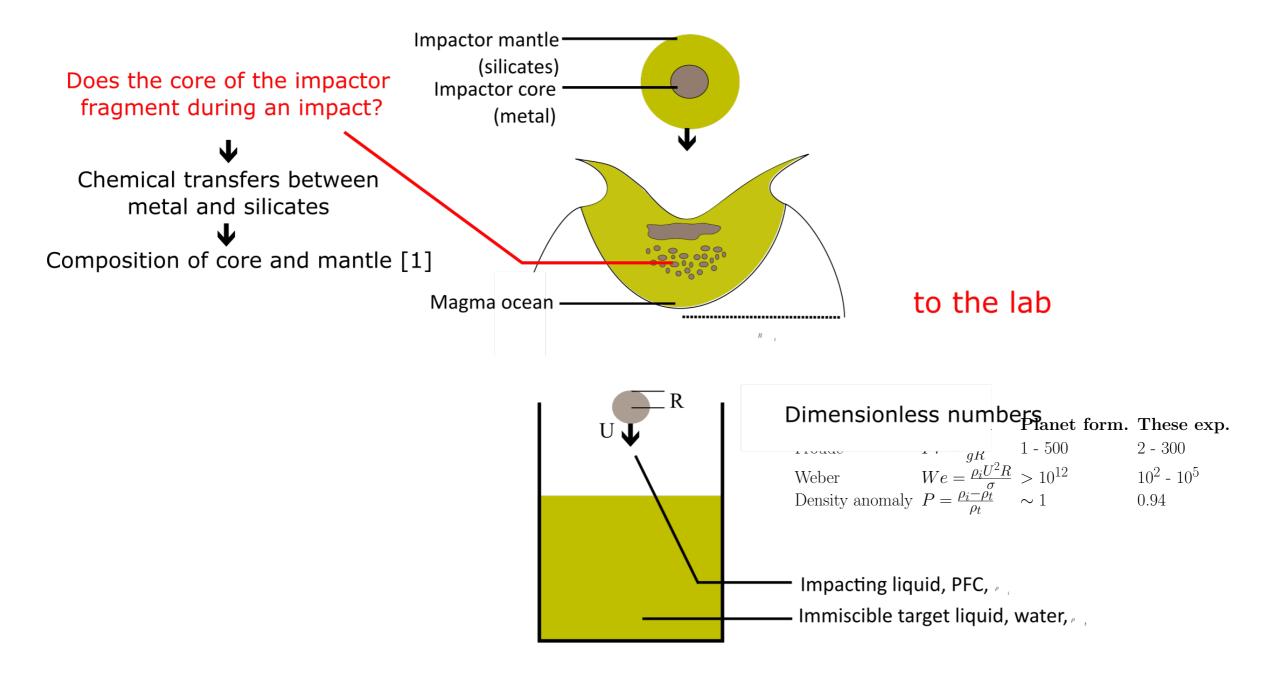
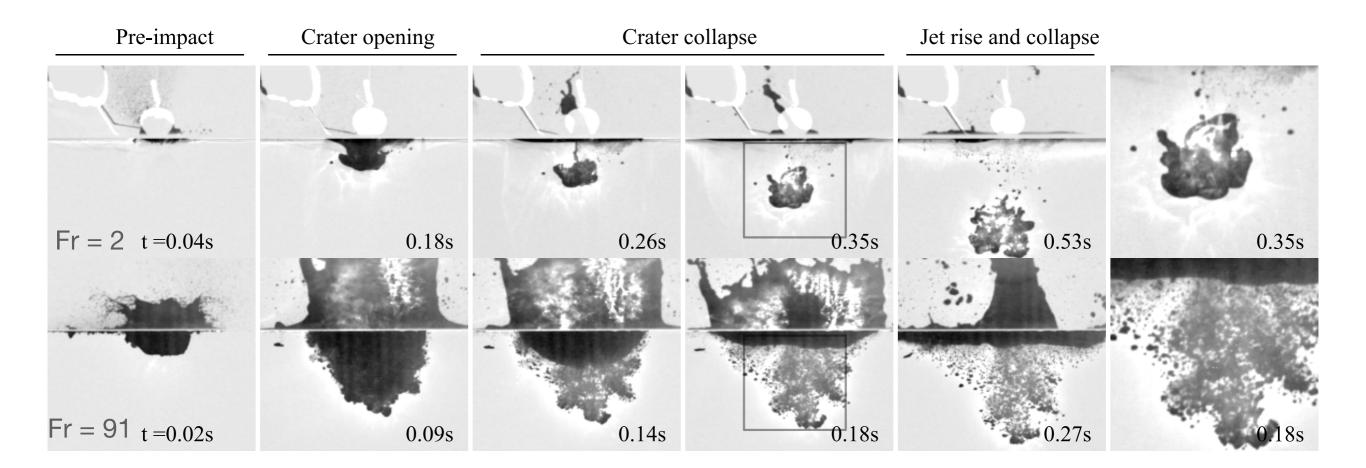
## Experiments on the impact of a liquid onto a lighter immiscible liquid

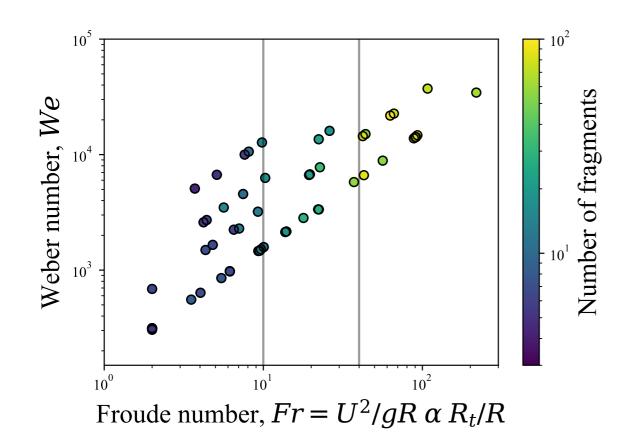
<u>Augustin Maller</u>, Maylis Landeau, Sébastien Charnoz Institut de Physique du Globe de Paris, Université Paris Cité



## From planet formation by impacts







Fragmentation is controlled by Fr

Rayleigh-Taylor instabilities between the impacting and Target fluid

Competition of the crater opening, capillary and Rayleigh-Taylor instability timescales explains the dependence on Fr