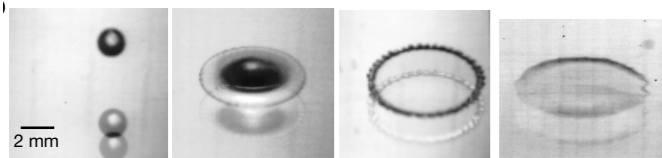
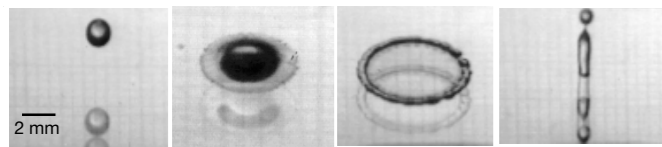
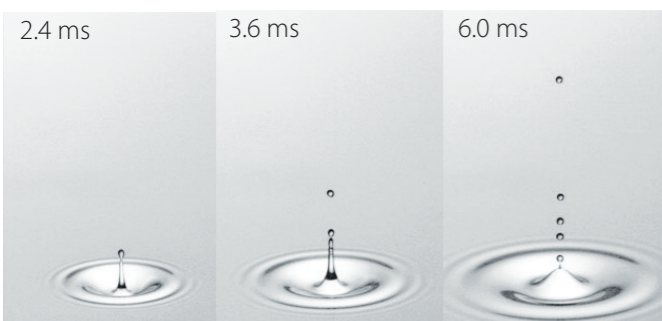


## Contamination par des particules



Bergeron et al., Nature (2000)



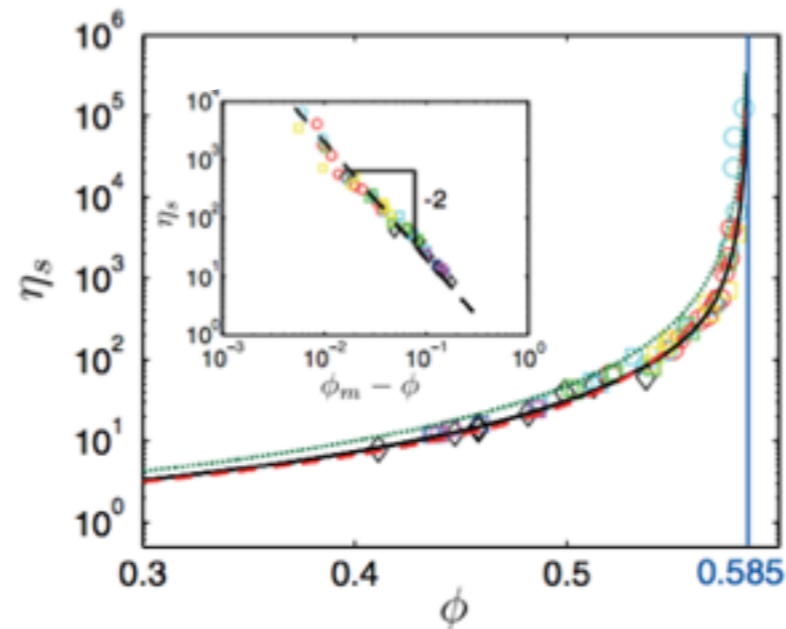
Ghabache et al., Phys. Fluids (2014)

## Revêtement de surfaces par rideaux liquides



silicate paint curtains

## Rhéologie de suspensions non browniennes



Boyer et al., PRL (2011)

## Effets interfaciaux

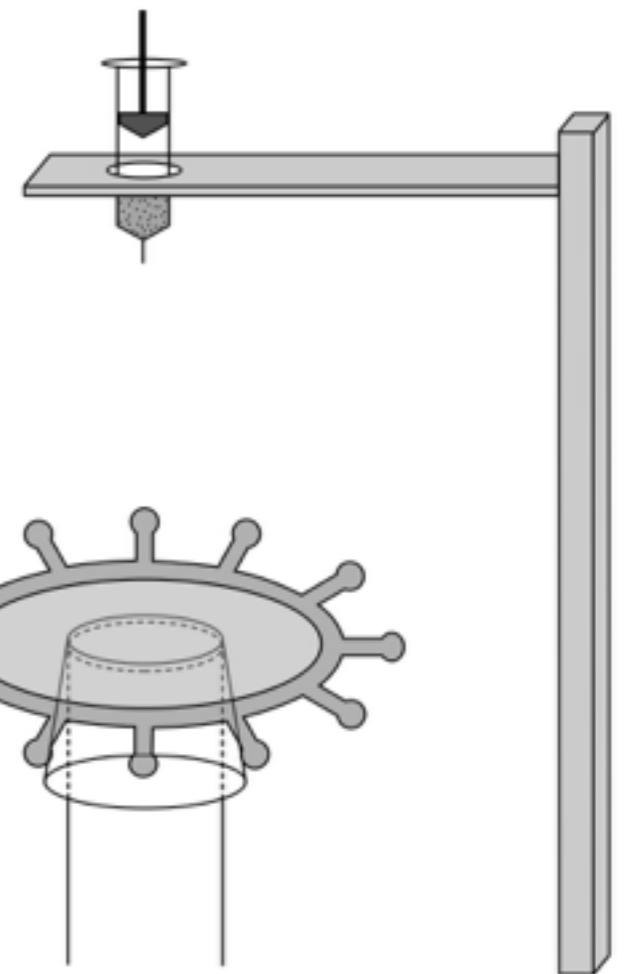


Furbank & Morris, Phys. Fluids (2006)

Bonnoit et al., Phys. Fluids (2012)

## Impact de gouttes et formation de nappes liquides

Rozhkov et al., Phys. Fluids (2002)  
Villermaux & Bossa, JFM (2011)



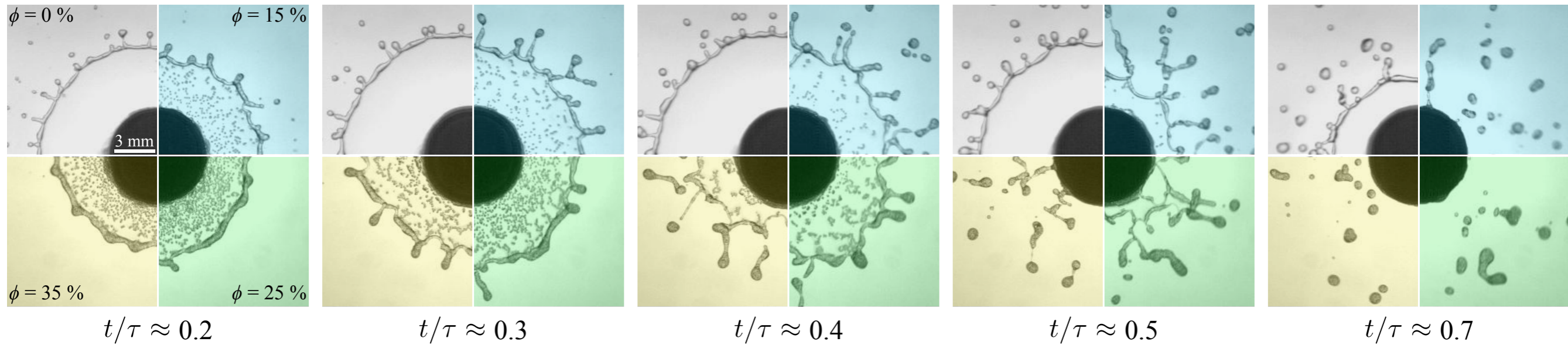
$$We = \frac{\rho u_0^2 d_0}{\gamma} \approx 250 - 800$$

$$\tau = \sqrt{\frac{\rho d_0^3}{6\gamma}} \sim 12 \text{ ms}$$

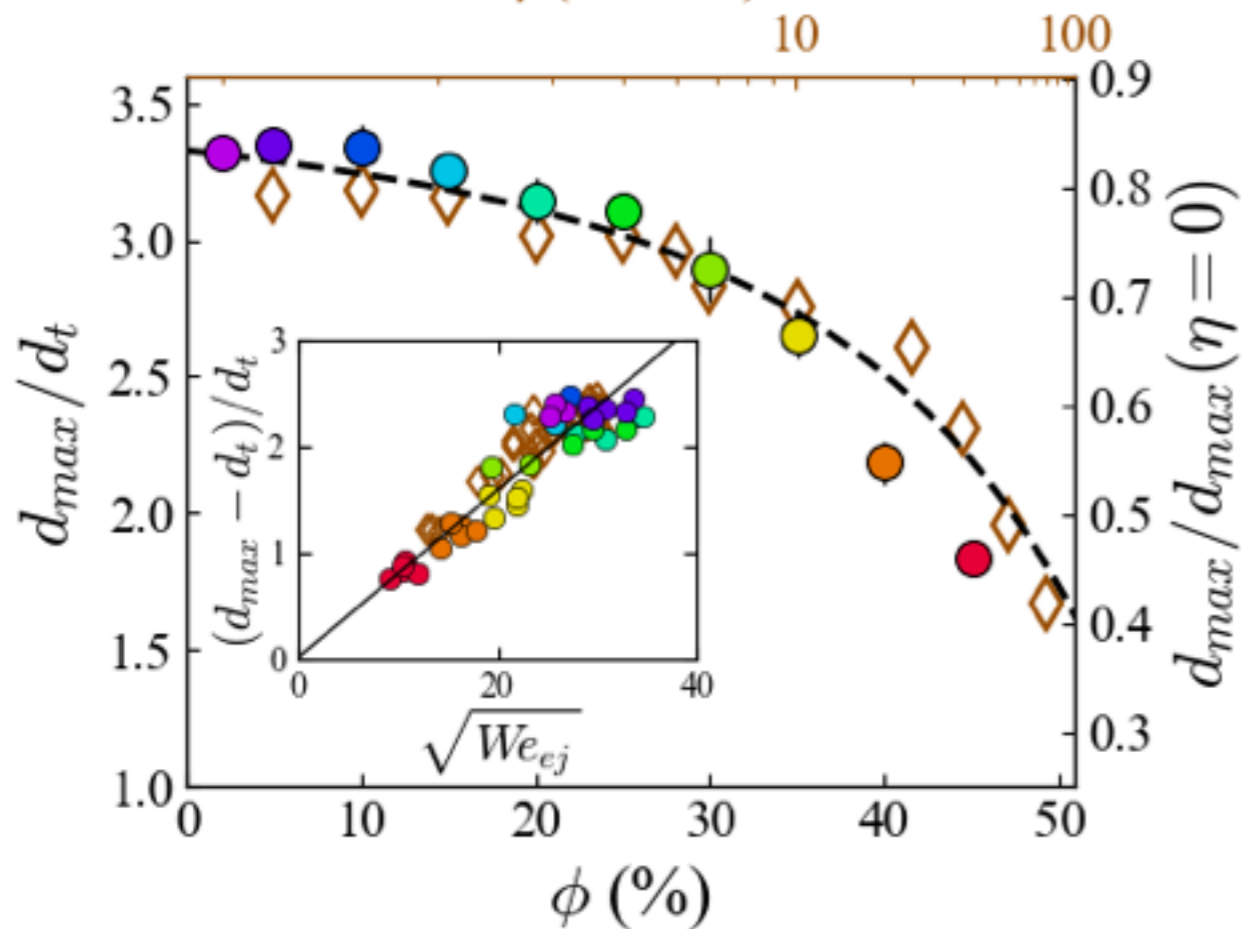
# Dynamique de nappes liquides de suspensions

Pascal Raux, Anthony Troger, Pierre Jop et Alban Sauret

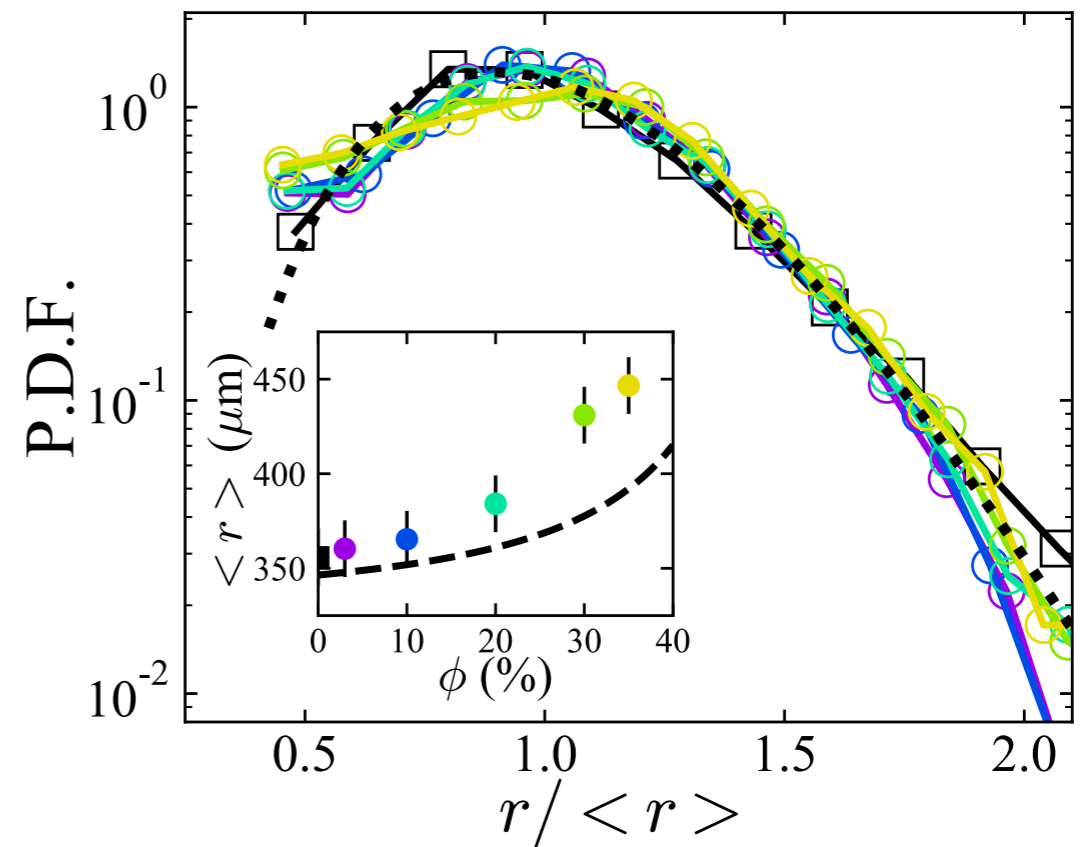
( S.V.I., Saint-Gobain Recherche, Aubervilliers )



$\eta$  (mPa.s)



Expansion de la nappe liquide



Atomisation en gouttelettes