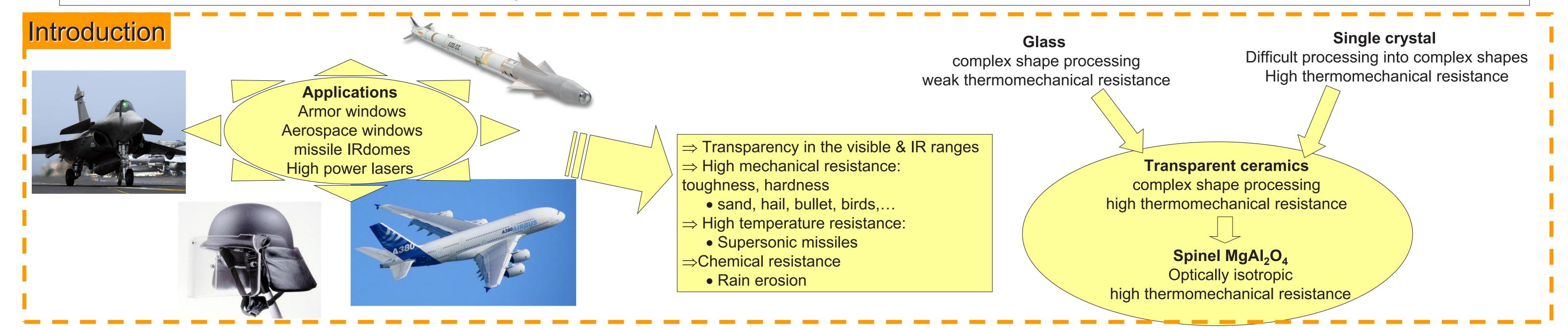
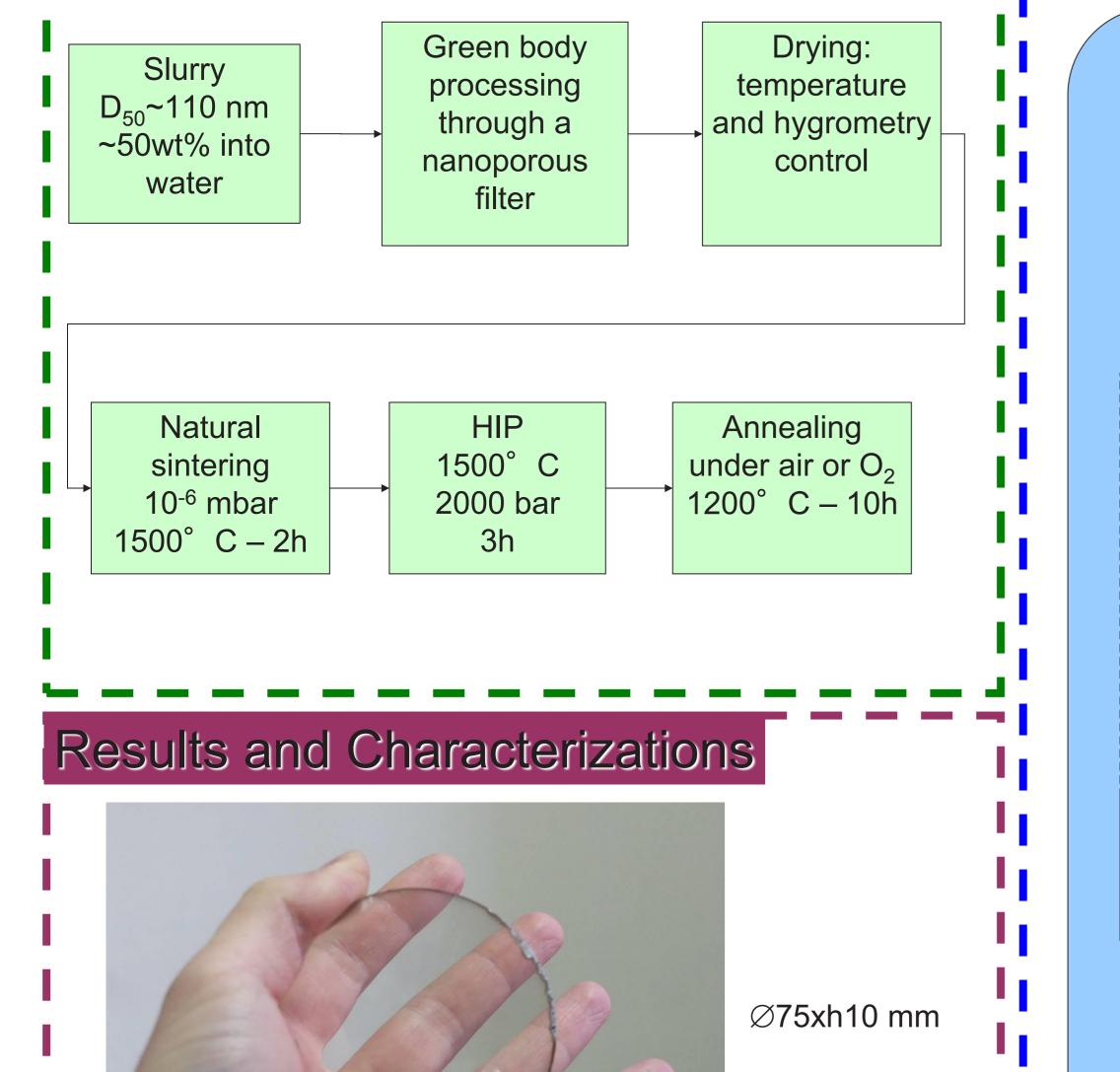
# Drying step optimization to obtain large size transparent magnesium-aluminate spinel samples

Lucile Lallemant, Johan Petit

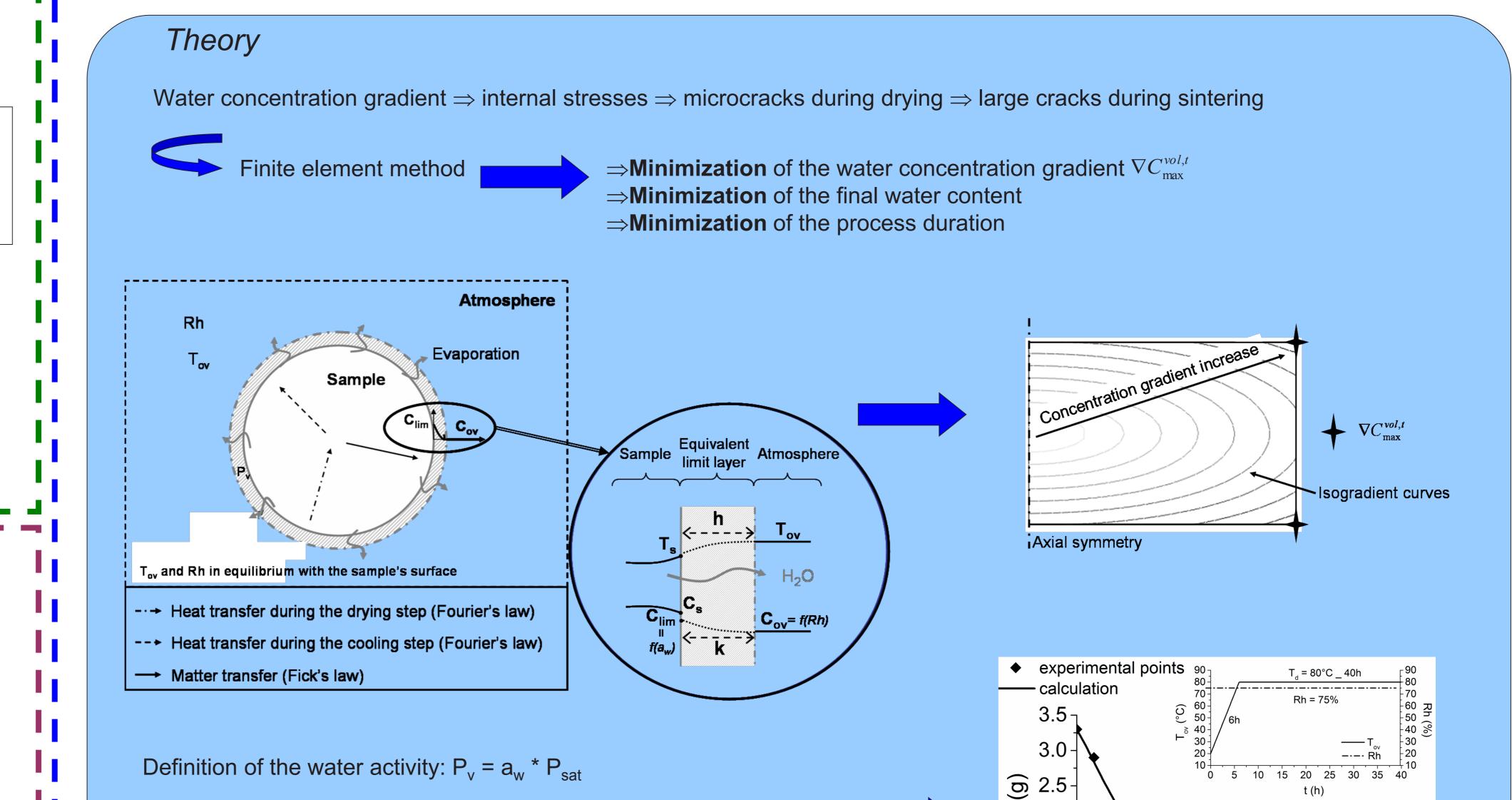
ONERA, The French Aerospace Lab, 29 avenue de la Division Leclerc, 92320 Chatillon, France.



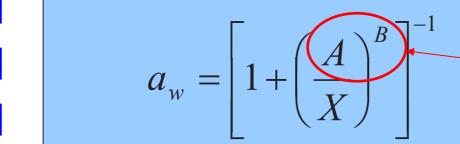
#### General process



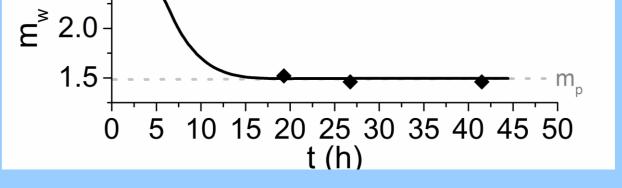
### **Drying optimization**







#### Adjustment of A and B parameters **Fitting experimental curves**

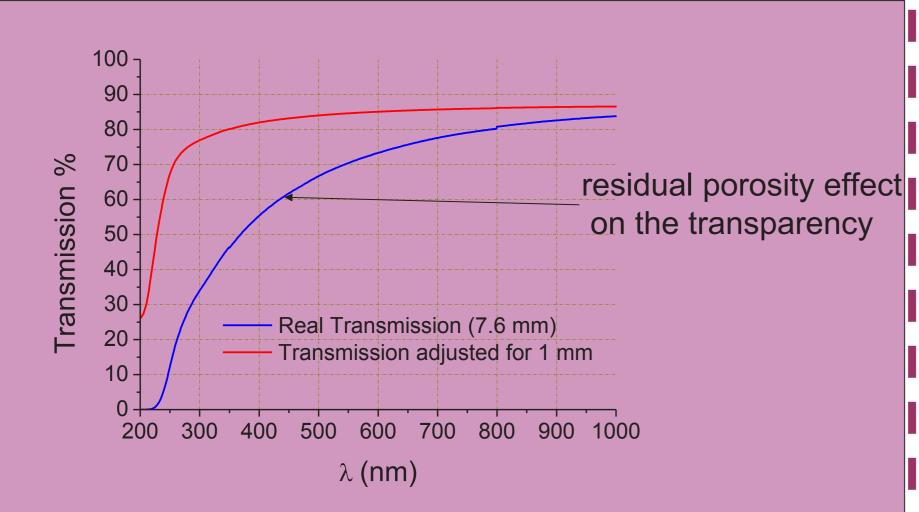


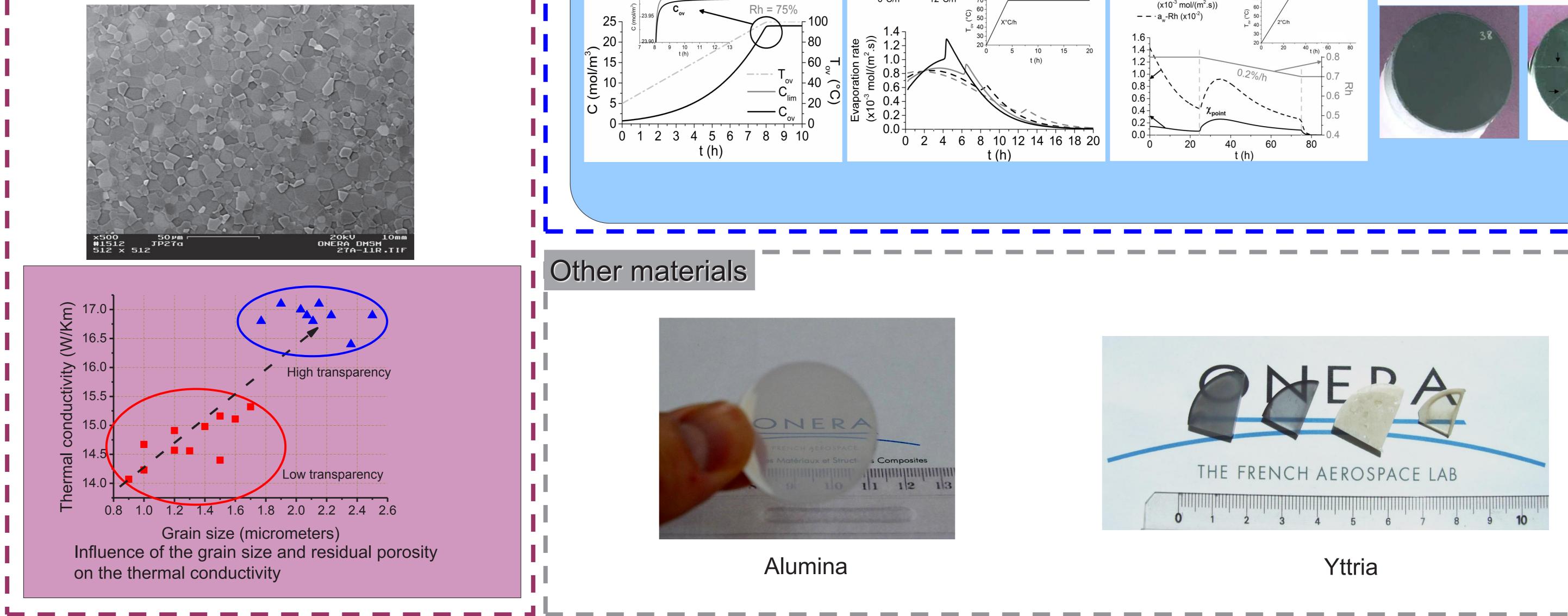
Water content (mol)

100

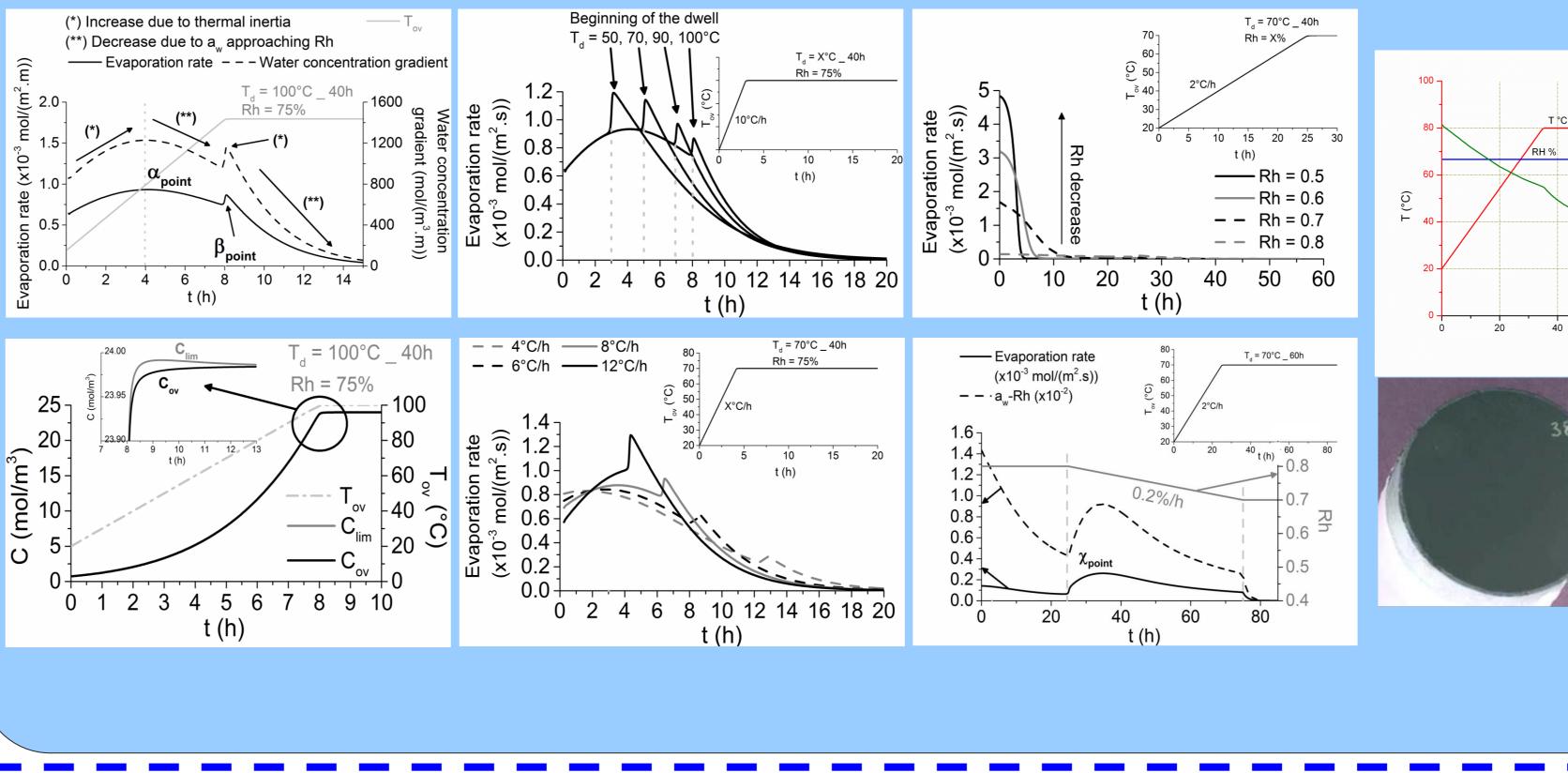
80

Time (h)





## Optimization of the drying program



Excerpt from the Proceedings of the 2016 COMSOL Conference in Munich