

LA NOTTE EUROPEA DEI RICERCATORI

Padova, 28 settembre 2018



Image from www.ikea.com

“Glass Cappuccino” Un cappuccino.... con vetro



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

dii DIPARTIMENTO
DI INGEGNERIA
INDUSTRIALE

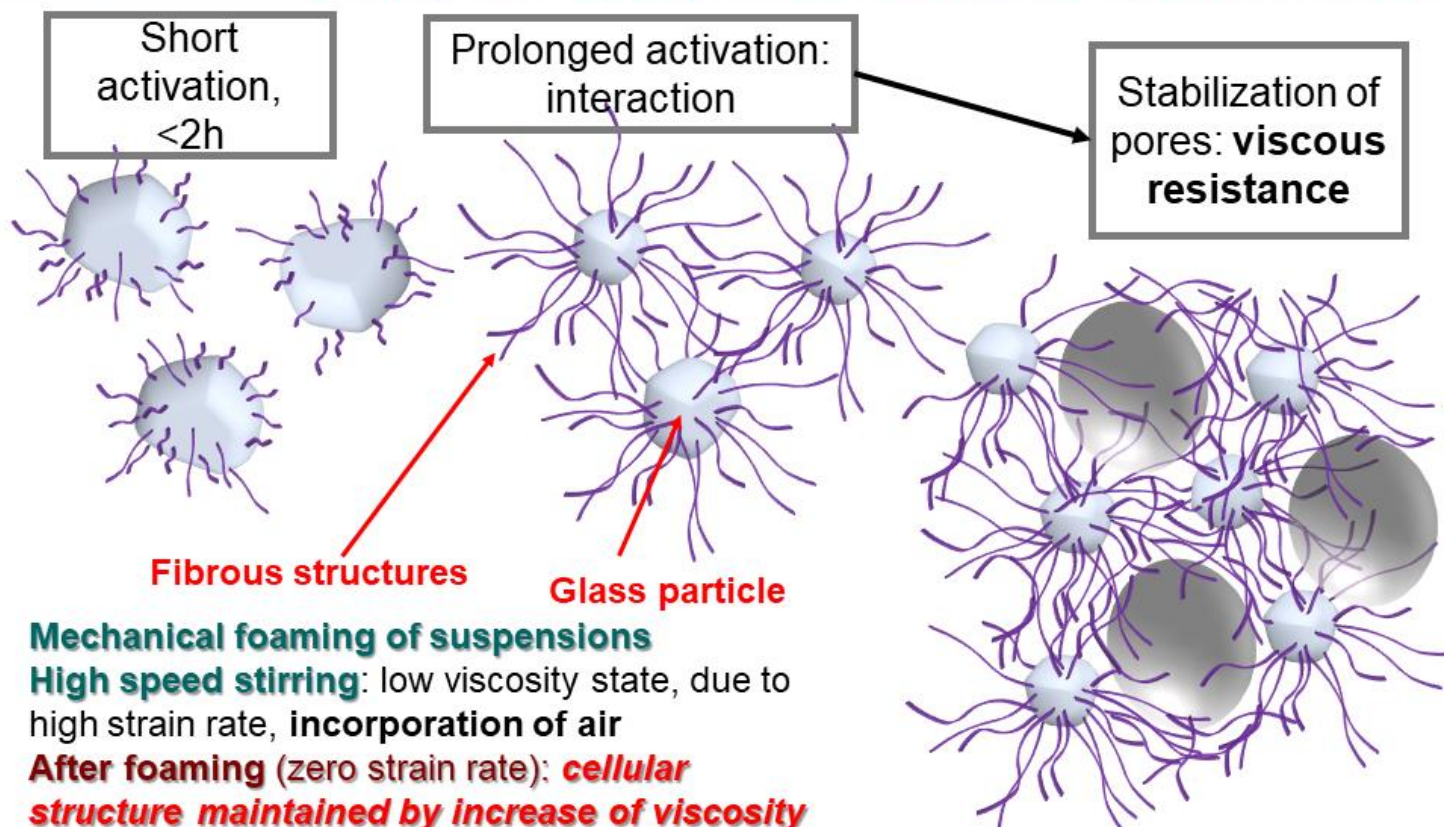
Prof. Enrico Bernardo
Advanced Ceramics & Glasses Group
*Dipartimento di Ingegneria Industriale,
Università degli Studi di Padova, Italy*



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

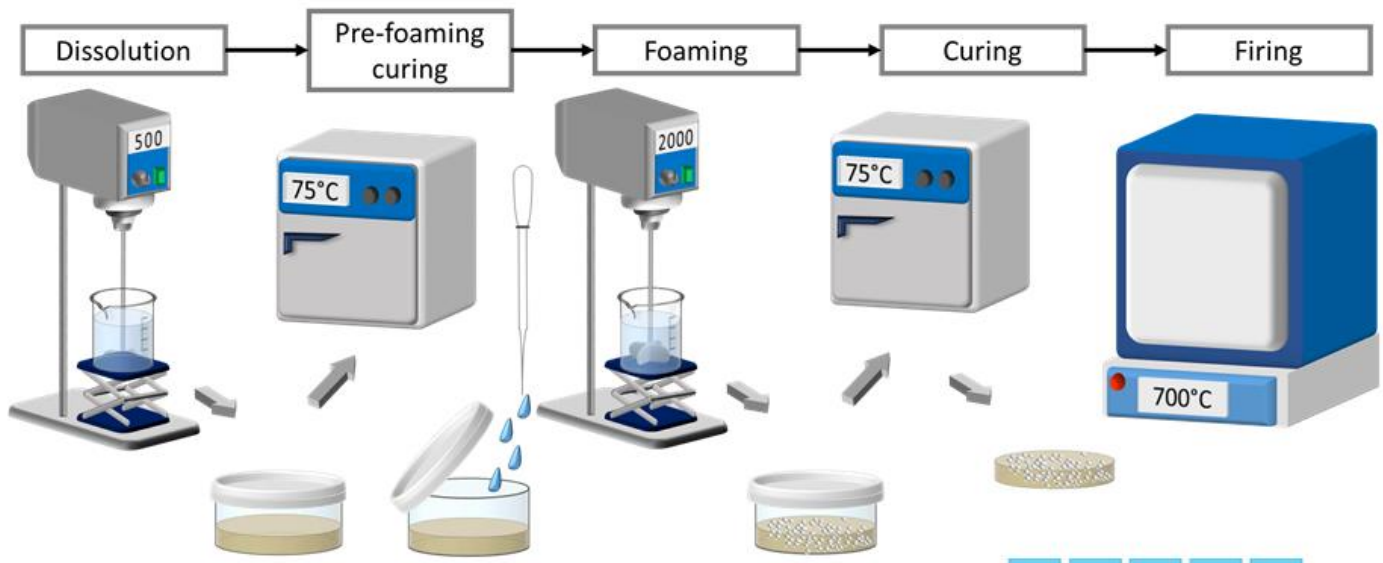
New process (established @UniPD)

Glass suspensions activated in alkaline solution
Interlocking of particles by formation of C-S-H; foaming before sintering





SODA LIME GLASS FOAMS

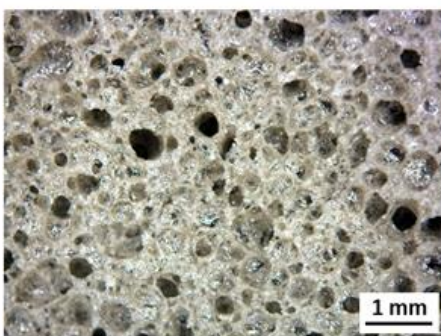
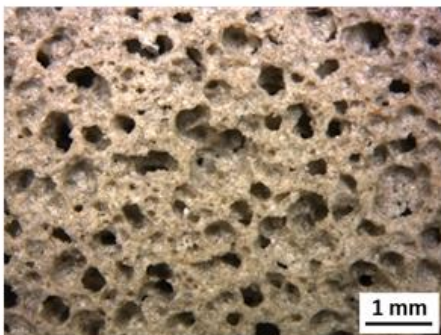


Technology developed in the framework of European Commission's Horizon 2020 Programme through a Marie Skłodowska-Curie European Training Network ('CoACH-ETN', g.a. no. 642557) <http://www.coach-etn.eu>

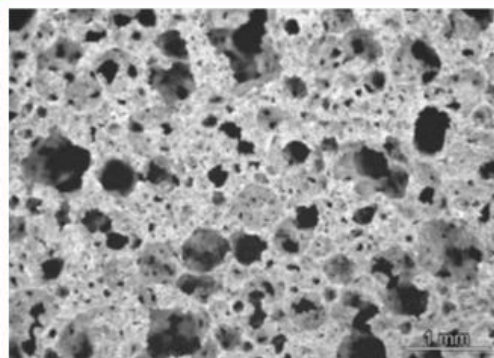


Soda-lime glass

4 h PREGEL



Firing at 700 °C



Glass residue from plasma processing of MSW

New-MINE project MSCA-ETN #721185 <https://new-mine.eu/>



H2020-WIDESPREAD-01-2016-2017-TeamingPhase2 #739566

<http://www.funglass.eu/>
Ca-Zn-Mg silicate glass-ceramic for bone tissue engineering

