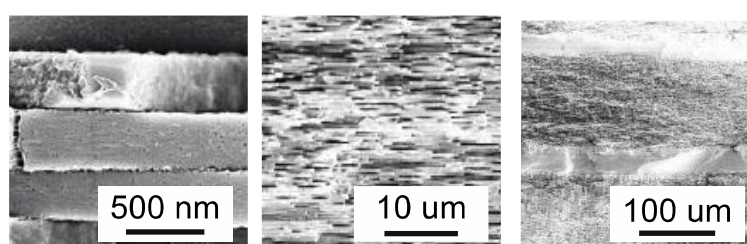


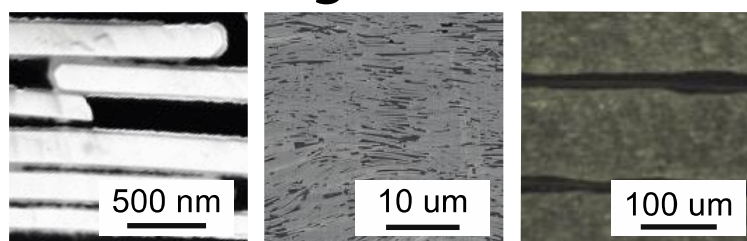
Capacity Area A3 Topic 2.1 Milestone 2**Engineering application scale-up milestone**

Within research projects, we are able to demonstrate application ready structures on a) small scale using liquid crystal polymer printing (300x300x10mm samples) and b) using nacre like composite in situ printing reinforcement of composite structures (150x90x2 mm samples). Until today these remain at lab scale at early TRL. Therefore, an engineering application is yet to be demonstrated. With important fundamental steps now solved, we are confident this will be achieved in 2020.

Nanoscale    Microscale    Macroscale  
Bridges    Architecture    Laminates



Biological nacre



Synthetic nacre

*Nacre inspired composites across three different length scales*