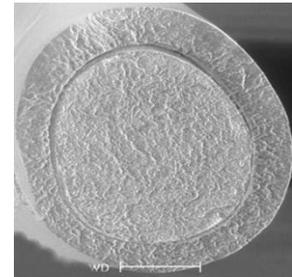


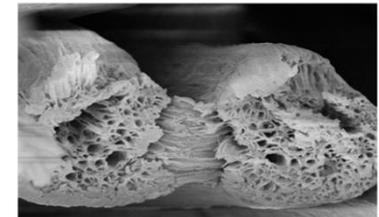
Novel Temperature Regulating Fibers and Garments

NANOSCIENCES, NANOTECHNOLOGIES, MATERIALS AND NEW PRODUCTION TECHNOLOGIES – NMP programme
Collaborative project targeted to SME 2009-2012

- Development of novel temperature regulating textile fibers melt-spun and bio-based fibers, with significantly improved thermal capability (latent heat larger than 60 J/g) and with sufficient strength.
- Incorporation of the novel temperature regulating fibers in textile structures, garments and other applications.
- Development of new garments and other products with improved thermal comfort.
- Physiological and thermal characterization of PCM garments.



Bi-component fiber with directly incorporated PCM



Lyocell fiber with directly incorporated PCM

