



European representative projects - INCDTP as partner or coordinator



FP 7 - Novel Temperature Regulating Fibers and Garments - NOTEREFIGA

Website: <http://extra.ivf.se/noterefiga/>



- Duration: 2009 – 2012
- Coordinator: Swerea IVF AB, Sweden
- 13 partners from: Norway, Belgium, Germany, Netherlands, Finland, Romania, Spain, Slovenia
- Main Objective: to develop novel temperature regulating fibres and innovative textile products, for thermal management.
- The temperature regulating effect was achieved by novel methods of incorporating large amounts of phase changing materials (PCM) in various textile fibres.

FP 7 - A pilot line of antibacterial and antifungal medical textiles based on a sonochemical process – SONO

Website: <http://www.fp7-sono.eu>



- Duration: 2009 - 2013
- Coordinator: Bar-Ilan University, Israel
- 17 partners from: Israel, Great Britain, Spain, Romania, Russia, Belgium, France, Poland, Italy, Bulgaria
- Main Objective: to obtain antibacterial and antifungal medical textiles by using at semi-industrial level a sonochemical technology, with a major potential for the textile industry and also for other industries.

NATural dyeing improvement with ENZimes - NATENZ

- Programme: ERA-NET CROSSTEXNET
- Duration: 2012 - 2014
- Coordinator: Tintoria di Quaregna s.r.l, Italy
- Partners:
 - ✓ INCDTP (RO)
 - ✓ SC Stofe Buhusi SA (RO)
 - ✓ SC FI-RI VIGONIA SA (RO)

- Main Objective: the natural dyeing of cellulose and animal fibers with plant infusion of flowers, berries and roots, by enzymatic pre-treatment (hydrolase), in order to obtain a wider set of colours and nuances, with good colour fastness and improved uniformity of the dyes.



Nanostructured photocatalytic textiles - FOTOCAT

- Programme: EUREKA
- Duration: 2009 - 2013
- Coordinator: SC MENTOR SRL (RO)
- Partners:
 - ✓ INCDTP (RO)
 - ✓ SC C&A Company Impex SRL (RO)
 - ✓ Korea Textile Development Institute (KR)
 - ✓ BSG, co.ltd (KR)
 - ✓ Group NanoXplore Inc.(CA)
 - ✓ Ozyegin University, Materials and Characterization Laboratory-OzU (TK)
 - KIVANÇ Tekstil San. Ve Tic. A.S.(TK)
- Main Objective: the development of self-cleaning, self-sterilizing and antibacterial textile materials, by coating textiles with new nanostructured photocatalytic compounds, with extended absorption in visible range.

