2BFUNTEX: a European Platform for functional textile innovations

General overview of project results

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2BFUNTEX Final Conference
14 November 2015
• **Project Title**: Boosting collaboration between research centres and industry to enhance rapid industrial uptake of Innovative Functional Textile Structures and Textile related Materials in a global Market

• **Project Coordinator**: Prof. Paul Kiekens, UGent

• **Project Duration**: 01/01/2012 – 31/12/2015
Aim of 2BFUNTEX

To facilitate the transfer of innovations in textile functionalisation into new products and applications
Consortium

26 partners from 16 countries, working together to transfer new functional textile technologies to the industry.

16 partners representing research & training
10 partners representing industry
Activities

• A website with interactive databases and information system: www.2BFUNTEX.eu
• A meeting place for project ideas & partner search
• A training materials database + development of training materials
• Creation of multidisciplinary teams in the field of functional materials and oriented towards industry
• Conferences, workshops (for SMEs), brokerage events, training courses, ...
Impact

2BFUNTEX deals with closing the gap between research and industry in the field of functional textile structures and textile related materials

• exploiting the untapped technological potential
• fostering a multidisciplinary approach

→ faster industrial uptake
Matching gaps and synergies

Transfer medium to long-term **industrial needs** to **technology providers and research organisations**

- Create **research ideas**
- Form **multidisciplinary teams (MDTs)**
- Joint research **projects** (including industry)

Corporate innovation = implementation of creative ideas in order to generate value, usually through reduced process costs, increased income or both.
Objectives Multidisciplinary teams

- **Creation of multidisciplinary teams** in which members of teams develop collective identities to recognize and coordinate all individual expertise and work towards the accomplishment of common goals.
- Creation of **sustainable networks and partnerships** to find appropriate/fast solutions for identified industrial needs.
- Effective **transfer of research results/prototypes towards industry**
8 MDTs are established to identify the gaps between available technologies and industrial needs and to develop ideas for new collaborative projects on:

1. Antimicrobial textiles
2. Smart textiles
3. Nanotechnology
4. Flame retardancy
5. Biotechnology
6. Electrospinning
7. Plasma
8. Sustainable textiles
If you want to join a MDT:

• To exploit the untapped potentials in functional textile structures and textile related materials,
• To reinforce the synergy and collaboration with researchers from industries, institutes and universities worldwide
• To focus on the effective transfer of research results to industry
• To be involved at all stages of the process and be able to adapt production methods, management,…

Please contact:

• One of the MDT leaders via the 2BFUNTEX website (www.2BFUNTEX.eu) or
• MDT coordinator, Prof. Bojana Voncina (bojana.voncina@um.si) or
• 2BFUNTEX project coordinator (info@2BFUNTEX.eu)
Open Innovation Platform (OIP)

www.2BFUNTEX.eu

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• marketplace for all stakeholders involved in functional textile structures and textile related materials

• platform for current and future actions in research, education and technology transfer to industry
www.2BFUNTEX.eu

= 

• transfer of information to a wide public

• raise awareness of the potential of functional materials

• increase acceptance of technologies
Register Now! It only takes a minute.
And get free access to the full database containing Project, Technologies, Training Materials,...

Free registration

About the Project
The FP7 Coordination Action 2BFUNTEX will exploit the untapped potential in functional textile structures and textile related materials.

It will bring together all innovation actors in the field fostering a multidisciplinary approach between universities, research institutes, SMEs and sector associations.

Read More...

Latest Technologies
- Plasmaline Atmospheric Plasma Technology
- Scar-free dressing
- Architecture of Noise-less Houses using Nanofibrous Nonwoven
- Engineering of a Nanotechnology based face-mask for infection control
- Amni Soul Eco - Biodegradable polyamide yarn

Latest Projects
- High performance oil spill recovery system suitable to effectively operate in...
- Functional textiles and leathers by innovative MLSE process
- PELVINOV
- Photocatalysts and textiles functionalized self-decontaminating under sunlight...
- Development of Flexible light emitting textiles dedicated to Photodynamic...

Multidisciplinary Teams
Join the 2BFUNTEX Multidisciplinary Teams to prepare future projects oriented towards industry.

Upcoming Events
- 14/11/2015 - 2BFUNTEX Final conference on Technology Transfer of Functional Textile...
- 25/1/2015 - Fast Textile
- 16/03/2016 - TCL2016: International Conference on Textile Coating and Laminating
- 16/03/2016 - International Conference on Textile Coating and Laminating, TCL2016
- 25/04/2016 - Textile Institute World Conference (TIWC) 2016, Poznan, Poland
- 08/06/2016 - 16th World Textile Conference Autex 2016

View all news items
## Key figures OIP

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NEW!

2BFUNTEX Open Innovation Platform now linked to website of ETP for the future of Textiles and Clothing!
(http://www.textile-platform.eu/)
If you are a research organisation:

**2BFUNTEX** will help you to present your current & future actions in research, education and technologies related to functional textile materials.
All information related to functional textiles is accessible through 2BFUNTEX.eu

• Project descriptions & Project ideas
• Technologies available
• Training activities
• Events
• ...
If you are a **company** or a **cluster**:

2BFUNTEX.EU is the place to be in order to:

- Detect new technologies & business opportunities
- Offer your technologies
- Express your needs & technology requests
- Look for partners
- Be in contact with research teams across Europe
Create Industrial Need

Step 1 of 4 Identification / confidential

Title *

Name of company / organisation

Stays confidential to the site administrators.

Legal Status *
- Select a value -

Stays confidential to the site administrators.

Country
- None -

Are you acting for a third party? *
- No
- Yes

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Training materials

- Training materials database: all training providers can upload information about their training materials on [www.2BFUNTEX.eu](http://www.2BFUNTEX.eu)

- 2BFUNTEX Training materials developed:
  - Nanomaterials and Nanotechnologies: Colloidal and Interfacial Aspects
  - Electrospinning of nanofibres and their applications
  - Protective functional textiles
  - Sustainable textiles
  - Recycling of textile materials
  - Smart textiles
In 2015, the 2BFUNTEX consortium organised a Technology competition.

The submitted technologies were assessed against 3 criteria:

- innovation potential
- time to market
- potential impact on the textile sector

The 2 winners will present their technologies this afternoon:

1) **Flame-retardant hotmelt for mattress ticking**
   W. Duyvejonck (EOC Group, Belgium)

2) **Conductive Textiles: towards true wearable technology**
   R. Ashayer-Soltani (National Physical Laboratory, UK)
Information

URL : www.2BFUNTEX.eu

E-mail : info@2BFUNTEX.eu
On behalf of the 2BFUNTEX partners

Thank you for your attention