# Textile Science Research Centre (TSRC)

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# Textile Science Research Centre (TSRC)





- Established in 2008 within the project FP7-REGPOT-2008-1: Unlocking the Croatian Textile Research Potentials (T-Pot), funded by EC
- Project goal was upgrading of research capacities within the field of textile technology

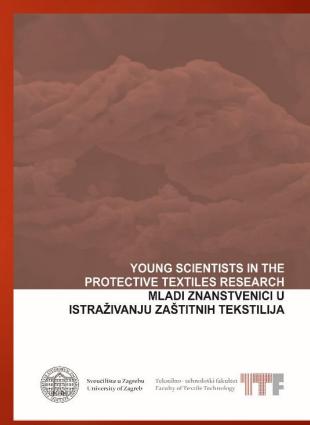
### TSRC activities include:

- Promoting excellence in scientific and artistic research, and fostering research in accordance with the Faculties strategic topics;
- Improving existing co-operations and connecting with other related institutions both home and abroad;
- Creating scientific and expert reports, studies, and surveys;
- Providing consultancy work;
- Promoting innovations;
- Conducting activities to popularize science;
- Developing research infrastructure according to international standards.

Encouraging young researchers to become involved in the TSRC's activities

From 2011 Award of TSRC in 2 categories:

- Young researchers
- > Students



## The TSRC vision:

Innovative textile materials

Creativity FOR

Sustainable development

Advanced Technologies

& Competitiveness

#### RESEARCH FOCUS

The Faculty has identified 9 topics of strategic importance in the:

Research Strategy of University of Zagreb Faculty of Textile Technology 2014-2020

# Topics Sustainable textile raw materials Advanced, sustainable and energy-efficient technologies





Topic	
3	Advanced textile materials
4	Innovative textile solutions



Topic	
5	The development of measurement systems and applicable methodologies
6	Creativity in Technology

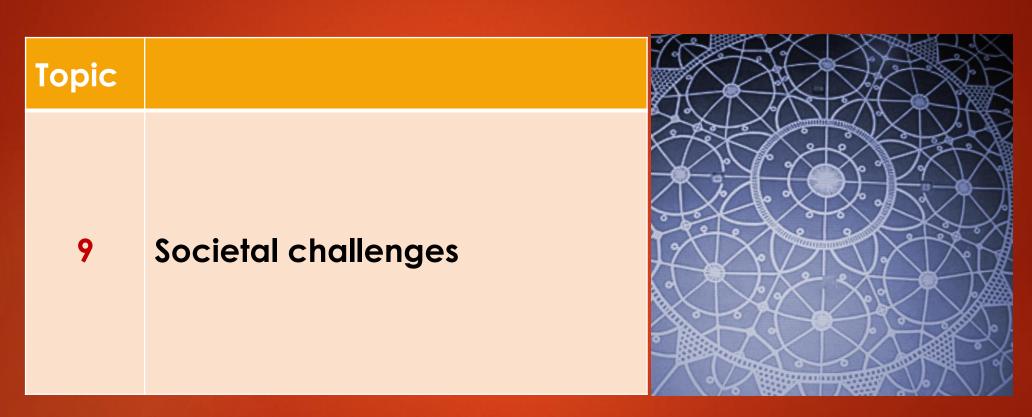




Topic	
7	Excellence in Science
8	Industrial Leadership

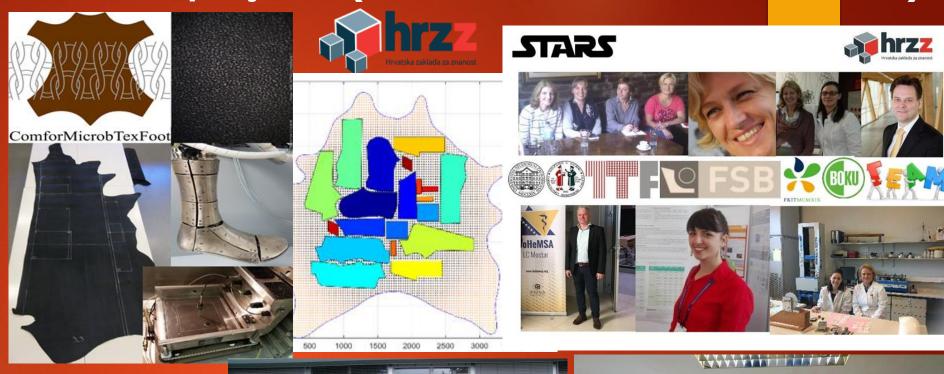






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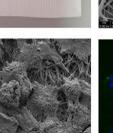
## National projects (Croatian science Foundation)

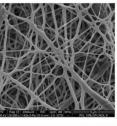


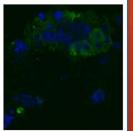
















# TTF Innovations



Innovations	No
HR – patents	15
HR – design	5
HR – trademark	3
International patents WIPO*	16











# Student innovations

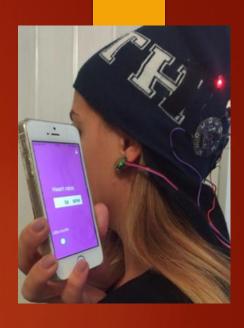














## Popularisation of science

#### **Topics**

2014. TEXTILES - ESSENTIAL LIFE COMPANION AND POWERFUL PROTECTOR

2015. ADVANCED MATERIALS AND ADVANCED TECHNOLOGIES

2016. INNOVATIVE TEXTILES – Reality or Science Fiction

2017. STEM POTENTIALS OF THE FACULTY OF TEXTILE TECHNOLOGY

2018. SCIENCE FOR CULTURE HERITAGE











Znanstveno-istraživački centar za tekstil - TSRC / Tehnički muzej Nikola Tesla 🙈



THE TEN

# 2008 → 2018 10 YEAR ANIVERSARY



Further development of the TSRC is to be realised by *Modernisation of the TSRC Infrastructure (MI-TSRC) KK.01.1.1.01.0024*, a project financed by the European Regional Development Fund (ERDF).

**DURATION: MAY 2018 – MAY 2020** 

AMOUNT: 1.5 MIL €

# Work packages

#### WP-1

 Reconstruction and adaptation of TSRC premises

#### WP-2

Equipment purchase and trainings

#### WP-3

Organisational reform

#### **IMPLEMENTATION** (Work packages and activities)



#### WP-1 Reconstruction and adaptation of TSRC premises

- Performed construction craft works
- Performed works on electrical installations
- Performed works on central heating and air conditioning
- 1 object (TSRC centre) renovated for Research, Development and Innovation (RDI) purposes and according to energy efficiency principles
- > 4 laboratories renovated and prepared for the installation of new equipment

#### **IMPLEMENTATION** (Work packages and activities)



#### WP-2 Equipment purchase and trainings

- Laboratory equipment purchased and installed
- > 14 scientific research sets of equipment purchased and installed
- > 14 people educated and trained for the use of new equipment
- 14 records/certificates on the training completion
- > 3 scientific promotions

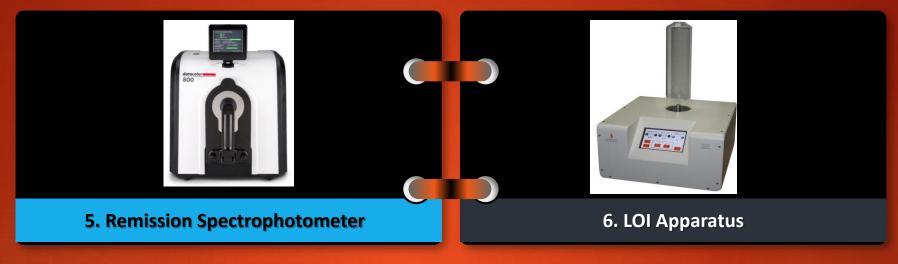
#### WP-2 Equipment purchase $\Rightarrow$ 14 sets of equipment

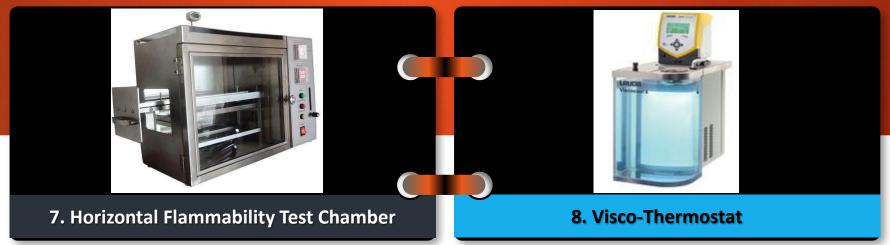




#### WP-2 Equipment purchase $\Rightarrow$ 14 sets of equipment



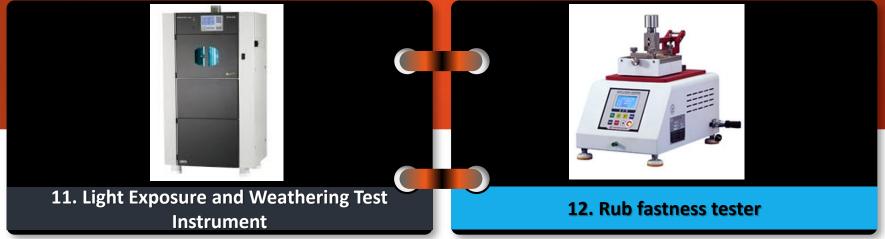




#### WP-2 Equipment purchase $\Rightarrow$ 14 sets of equipment

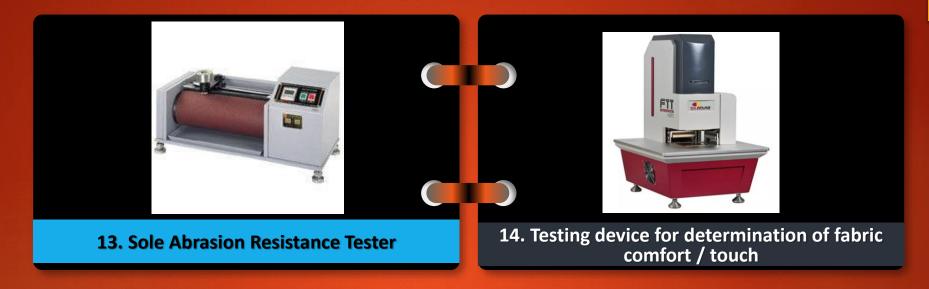






#### WP-2 Equipment purchase > 14 sets of equipment





#### IMPLEMENTATION (Work packages and activities)



#### WP-3 Organisational reform

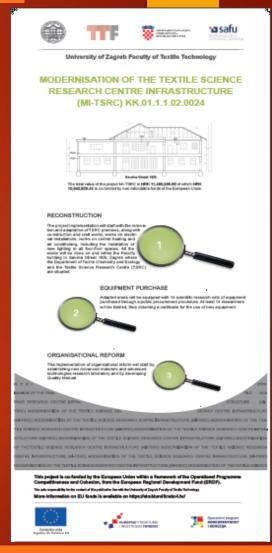
- Established Laboratory for advanced materials and advanced technologies
- Staff training plan
- ▶ 10 certificates of finished training (2/14
- Report on conducted method validation
- Quality manual of Laboratory for advanced materials and advanced technologies
- ▶ 10% more analyses conducted
- Innovation portfolio

#### IMPLEMENTATION (Work packages and activities)



#### **WP-4 Promotion and visibility**

- Project Website
- > 3.000 Website visits <
- Promotional movie
- > 1 roll-up ✓
- > 300 flyers √
- Dissemination conference
- 100 participants on the final dissemination conference
- Project visibility temporary/permanent sign



#### PROMOTION – Website (www.mi-tsrc.ttf.unizg.hr)



#### **Address**

Savska Street 16/9 10 000 Zagreb



#### Phone/Fax

Phone: +3851 3712 500 Fax: +3851 3712 591



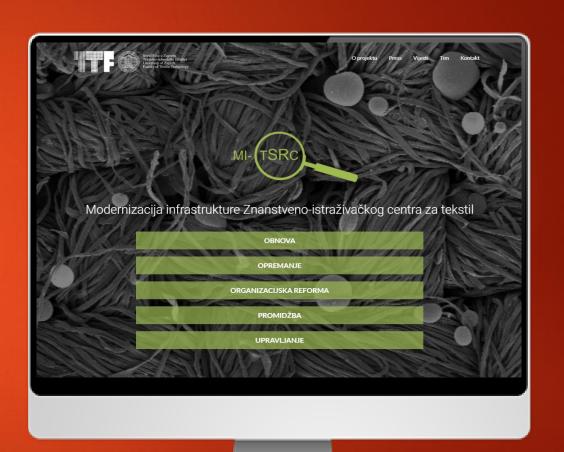
E-mail

info@ts-rc.eu



**Project Website** 

www.mi-tsrc.ttf.unizg.hr



#### **IMPLEMENTATION** (Work Packages and Activities)

# MI- TSRC

#### WP-5 Project management and administration

- ➤ Kick-off meeting
- > 5 project team meetings (1/5 √)
- > 1 newly-employed person √
- Project management plan
- Contracts signed with:
  - ➤ Project administrator
  - ➤ Public procurement expert
  - ➤ Construction works contractor
  - ➤ Supervising engineer
  - ➤ Work safety coordinator
  - Website design and maintenance provider
  - Project audit company
- Reporting on project implementation (every 3 months) delivery of Report for reimbursement
- Final report



#### THANK YOU FOR YOUR ATTENTION!



Project coordinator:

Prof. Sandra Bischof, PhD sbischof@ttf.hr