

Primjeri uspješnih FP7 projekata na Sveučilištu u Zagrebu Tekstilno-tehnološkom fakultetu

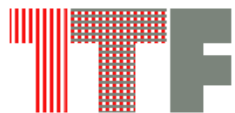
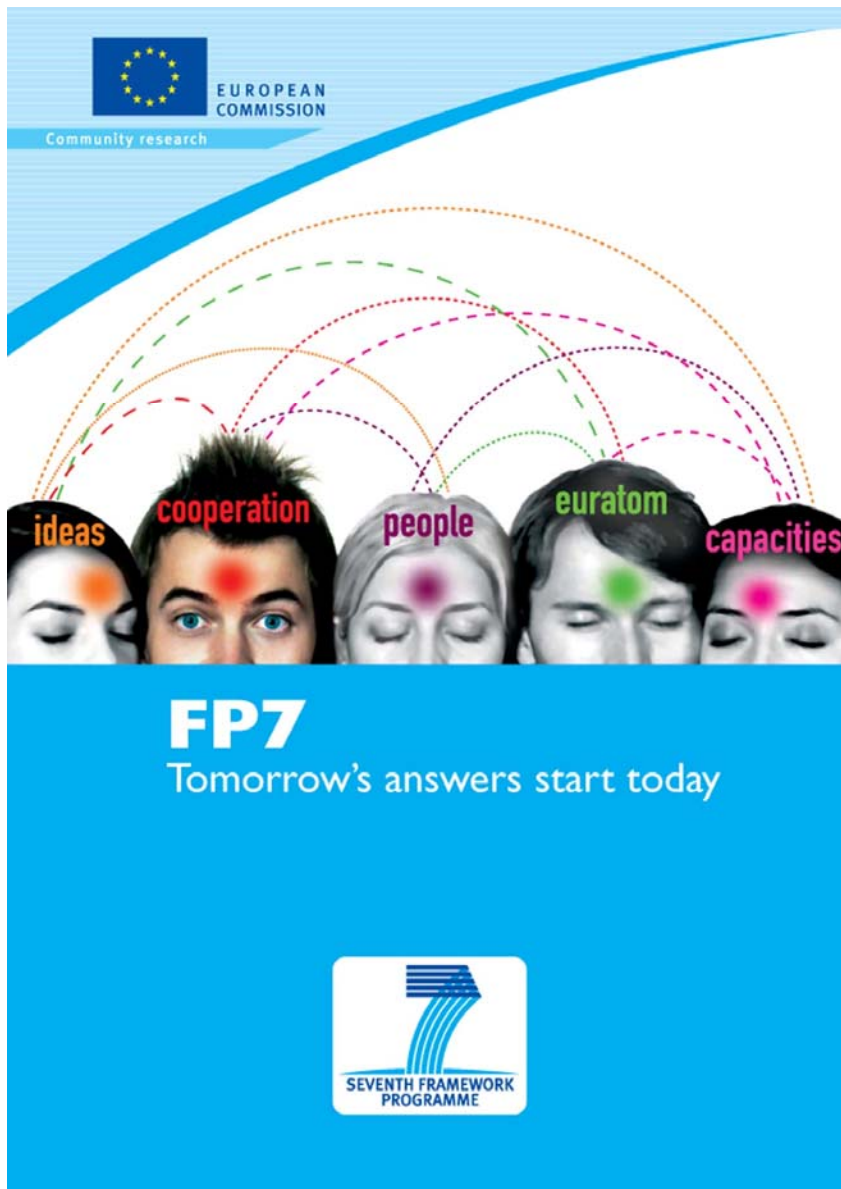
Sandra Bischof Vukušić, prof., dr. sc.

Voditeljica Servisa tekstilnih europskih projekata (STEP-a)
Zamjenica voditelja Znanstveno-istraživačkog centra za
tekstil (TSRC) na TTF-u
sbischof@ttf.hr



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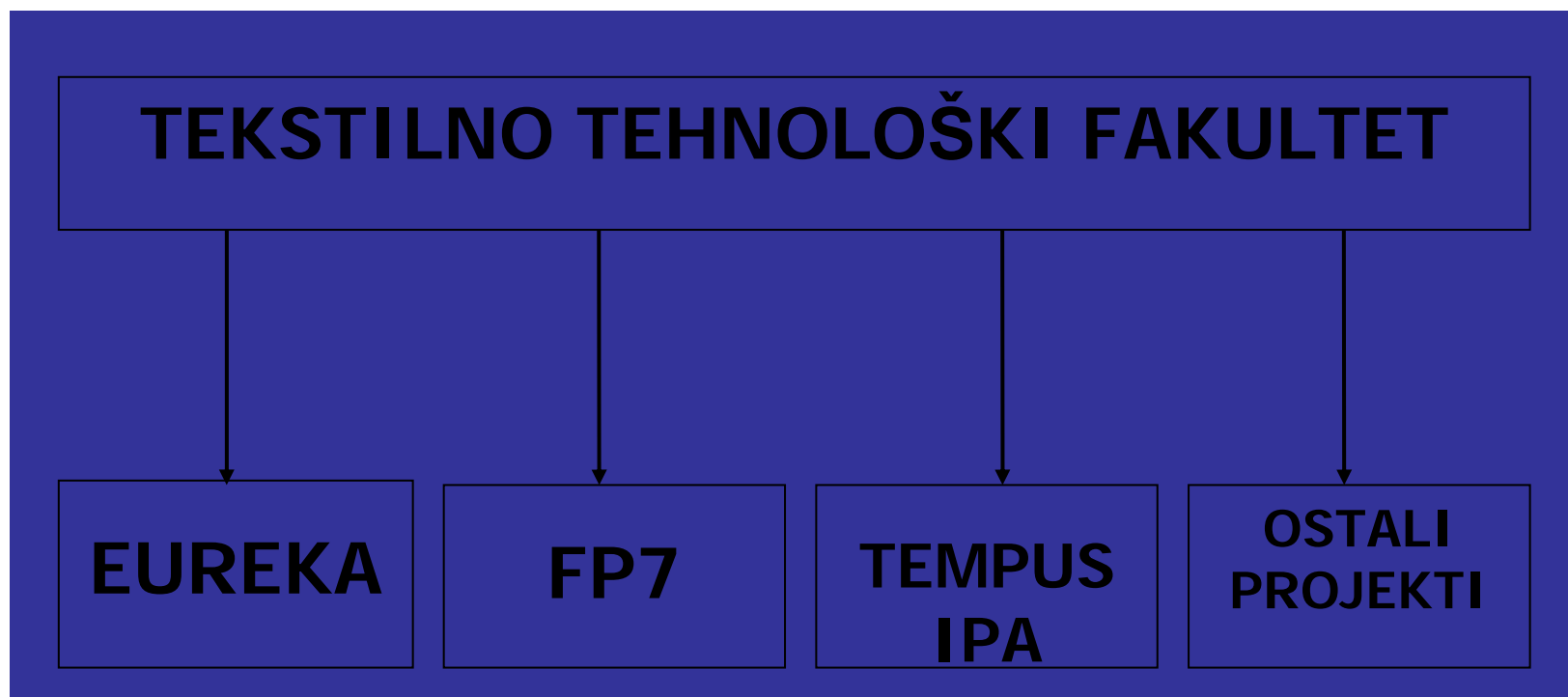
***STEP - Servis Tekstilnih
Europskih Projekata
Savska 16/9
10000, Zagreb
tel. i fax.: 48 773 57
E-mail: step@ttf.hr***

STEP je osnovan početkom 2006.g. za pomoć znanstvenom, nastavnom i administrativnom osoblju na Tekstilno-tehnološkom fakultetu s ciljem popularizacije, uključivanja i olakšane koordinacije Europskih projekata.

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TTF u programima obrazovanja, znanosti i tehnologije



Prednost TTF-a

- Sudjelovanje TTF-a u *Europskoj tehnološkoj platformi (ETP)* za budućnost tekstila i odjeće (FTC)
- Predstavnici TTF-a (4) izabrani su za EU eksperte u području tekstila i odjeće (T/C) koji sudjeluju u radu ETP



TEPPIES (Textile Project Proposal Information Exchange System).

- Udruženje EURATEX je uspostavilo novi sustav izmjene podataka vezanih za prijave FP7 projekata unutar tekstilnog područja:
- TTF – ravnopravni partner u prijavi FP7-projekata



TTF DANAS

- Sudjelovanje na 3 FP7 projekta:

1. FP7-SME-2007-2-217809: SMILES

2. FP7-REGPOT-2008-1-229801:T-Pot

3. FP7-NMP-2010-3-263159-1:MAPPIC 3D

One-shot Manufacturing on large scale of 3D up graded panels and stiffeners for lightweight thermoplastic textile composite structures



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<http://www.t-pot.eu>

<http://www.ts-rc.eu>



Project News

FP7 REGPOT-2008-1:229801: T-Pot Unlocking the Croatian Textile Research Potentials

FP7-REGPOT-2009- 229801:T-Pot

Koordinator: Sandra Bischof Vukušić
Partner: Sveučilište u Zagrebu
Tekstilno-tehnološki fakultet

PARTNER INSTITUTIONS



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The Agreement
Vice-Rectors: Prof. Bojan Baletić, P
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Osnovni ciljevi projekta su:

- 1.) Jačanje znanstveno-istraživačkog (*Science & Technology- S&T*) potencijala
- 2.) Uspostava strateških partnerstva s istraživačkim grupama i industrijom
- 3.) Mobilizacija ljudskih & materijalnih resursa
- 4.) Jačanje komunikacije između centara koji imaju sličan znanstveni interes
- 5.) Diseminacija znanstvenih informacija i istraživačkih rezultata
- 6.) Pобоljšanja u ispunjavanju socio-ekonomskih potreba Hrvatske.

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Partnerske institucije:

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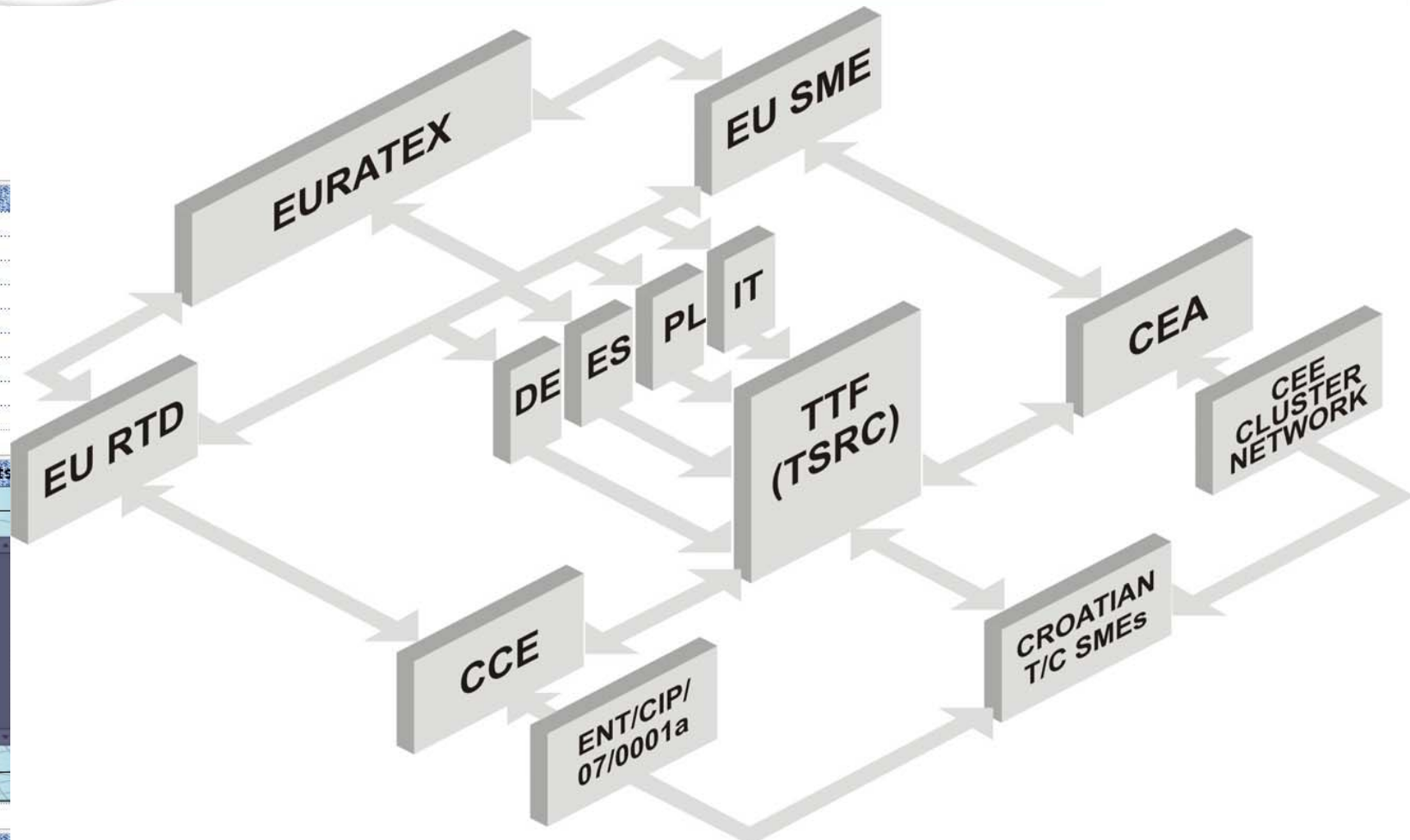
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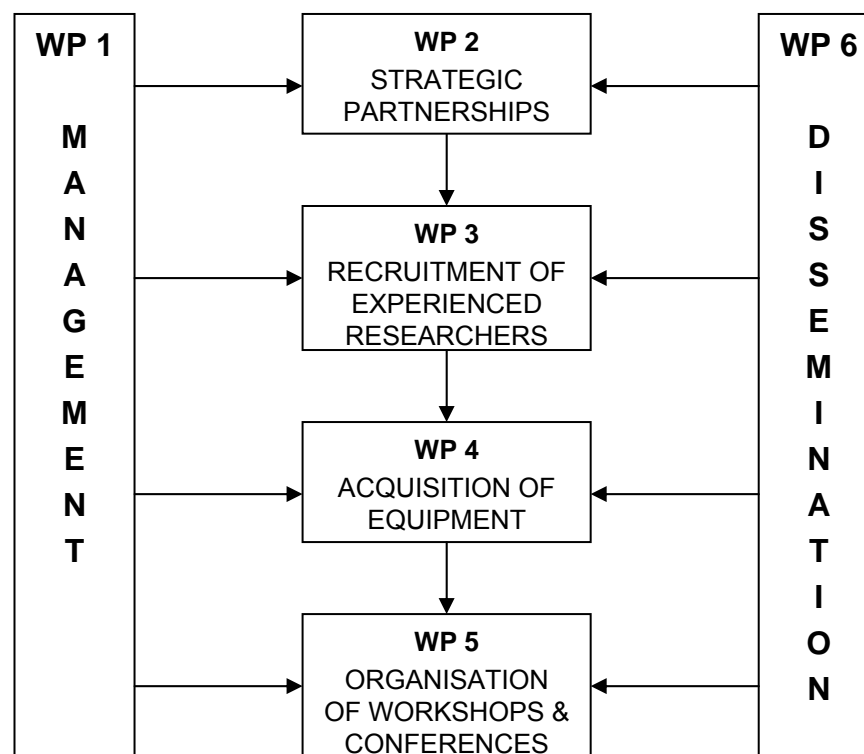
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Podjela radnih paketa





WPs:

Prikaz aktivnosti po radnim paketima

WORKPACKAGE 1 MGT

- T.1.1 Organisation of periodical meetings
- T.1.2 Contract administration
- T.1.3 Financial administration

- D.1.3 AC – Revizija (za iznos veći od 375000 €)

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Solemnly signed agreement between the EC and the TTF

Tuesday, 19 May 2009



At the premises of the Rector's Office of the University of Zagreb there was the ceremony of signing the Agreement between the European Commission and the Faculty of Textile Technology, University of Zagreb, regarding financing FP7 project.

The Agreement
Vice-Rectors: Prof. Bojan Baletić, P

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Project News

WORKPACKAGE 2

T.2.1 INICIJACIJA PARTNERSTVA

T.2.2 ZAPOŠLJAVANJE PhD-a

T.2.3. TRANSFER ZNANJA

T.2.4 ISTRAŽIVAČKI BORAVCI

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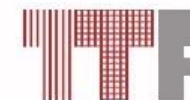
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WORKPACKAGE 3

T.3. ZAPOŠLJAVANJE EKSPERTA



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WORKPACKAGE 4

T.4.1- T. 4.4 NABAVA OPREME

T.4.1 SEM LABORATORIJ

T.4.2 ISTRAŽIVAČKI LABORATORIJ (TGA, DSC, FTIR)

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T.4.1 SEM



FE Scanning Electron Mycroscope

Mira//LMU

Technical characteristics:

Magnification: up to 1.000.000

Resolution: 1.0-3.0 nm

Working vacuum:

High vacuum mode: $< 1 \times 10^{-2}$ Pa

Low vacuum mode: 7-150 Pa

Gun vacuum: $< 3 \times 10^{-7}$ Pa

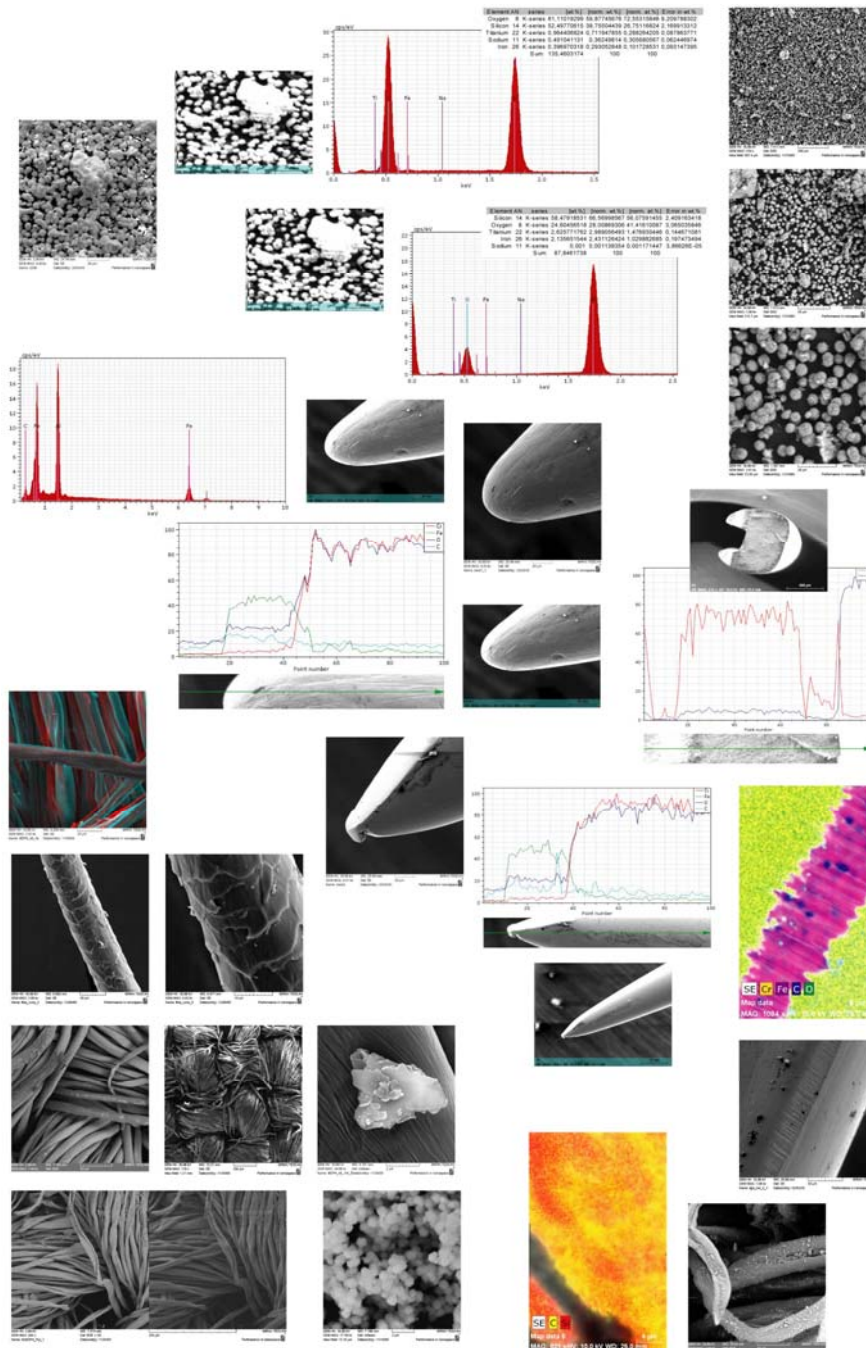
Magnification: $4 \times -1.000.000 \times$

Accelerating voltage: 200 V-30 kV

Electron gun: high brithness

Schottky emitter

Scanning speed: from 160 ns/pixel
to 10 ms/pixel



FE-SEM mikroskop

se nalazi na lokaciji:

Sveučilišta u Zagrebu

Tekstilno-tehnološkog
fakulteta

Zavod za tekstilnu-
kemijsku tehnologiju i
ekologiju

Savska 16/9

- Brojne mogućnosti primjene SEM mikroskopa
- dodatna EDX jedinica za kemijsku analizu

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T.4.2-4.4 TA

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Technical characteristics TGA:
Temperature range: subambient to 15000C
Max. sample mass: 1300 mg
Sample pans: platinum or ceramic
Sample atmosphere: nitrogen, argon, helium, carbon dioxide, air, oxygen or other inert or reactive gasses
Dimensions: 67x28x60 cm
Weight: 40 kg
Control: Pyris software via Windows OS

FTIR-TG-IR interface-TGA

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Prva TGA radionica



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Druga (napredna) radionica



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WORKPACKAGE 5

T.5.1 TRENINZI

- Leitat (16.06.2009 -19.06.2009)
- STFI (29.11.2009 - 04.12.2009.)
- INFMP(15.06.2010 -18.06.2010.)

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WORKPACKAGE 6

T.6.1 TEKSTILNI PORTAL
<http://ts-rc.eu>

T.6.2 T-POT <http://t-pot.eu>

T.6.3 STEP
<http://www.ttf.unizg.hr/step/>

T.6.4 SEMINARI

T.6.6 PREZENTACIJE

T.6.7 TISAK

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The Agreement was signed by the Vice-Rectors: Prof. Bojan Baletić, P...

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TSRC Portal

<http://www.ts-rc.eu> is the focal point and major disseminating actor of T-Pot project. It serves as main and continuous information source, where the profile of Textile Science Research Centre is promoted. Furthermore, researchers profile, their expertise and conducted research activities are presented, so as the database of SMEs and Large enterprises within the textile/clothing/leather/footwear.



Dissemination activities such as organization of workshops, trainings, forums, round table and 2 conferences are contributing to spreading of excellence and exploitation of project results in particular within the industry.



First workshop was held from 19th June till 21st June 2009 at the premises of Leitát, Spain

All T-Pot activities will sustain the progress of real integration and cohesion of Croatian textile/clothing (T/C) sector into European Union Framework Programmes.

PROJECT PARTNERS: Single entity beneficiary:



University of Zagreb



Faculty of Textile Technology

FP7-REGPOT-2008-1-229801:
Unlocking the Croatian Textile Research Potentials (T-Pot)
Project financed by the European Union

PROJECT PARTNERING INSTITUTIONS:



STFI



INFMP



Leitát



GZE

Contact person:

Prof. Sandra Bischof Vukušić,

Coordinator of FP7-REGPOT-2008-1: T-Pot
Coordinator of STEP
University of Zagreb
Faculty of Textile Technology
Prilaz baruna Filipovica 28a,
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tel/fax: +38514877357

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E-mail: info@t-pot.eu

<http://www.t-pot.eu>



Theme Title:
Research Potential of Convergence Regions

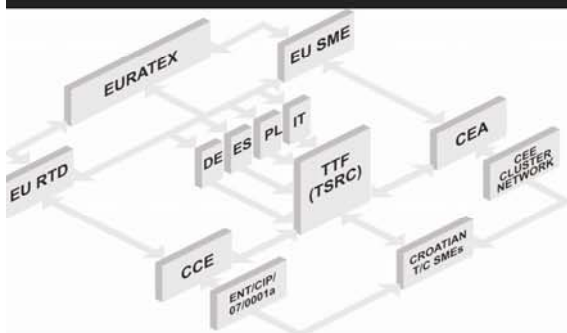
Grant agreement for:
Coordination and support actions

T-Pot project

T-Pot aims to reinforce research potentials of Faculty of Textile Technology (TTF) in order to strengthen university sector to become one of the components of national innovation. The goals are to develop the capacity for breakthrough research leading to innovative textile and textile related products contributing in this way to local industry.

Project activities:

Development of strategic partnerships with well established research institutions and SMEs from Germany, Spain, Poland and Italy (STFI, Leitat, INFMP and GZE).



Cooperation scheme between Faculty of Textile Technology (TTF), its Textile Science Research Centre (TSRC)

Partnering institutions

STFI (DE),
Leitat (ES),
INF (PL),
GZE (IT)
Croatian Chamber of Economy (CCE)
Croatian Employers' Association (CEA)

Reinforcement of human and material potentials

- 3 new PhD students are employed and trained at 3 prestigious research institutions
- 1 expert is employed for the period of 1 year.
- top scientists are attracted to the country for exchange of know-how and guidance of Croatian researchers and manufacturers
- 2 sets of top-level equipment are purchased for:

SEM (Scanning Electron Microscopy): FESEM

TA (Thermal Analyses): DSC, TGA, FTIR with TG-IR interface.

SEM allows researching the structures invisible to human eye by magnification up to 1,000,000 times.



Instrument SEM-FE MIRA II LMU model Tescan, purchased by the T-Pot project



Researchers employed by the T-Pot at the Department of Textile Chemistry & Ecology



First research secondment (6 months) in EMPA - St. Gallen, in group of Additives & Chemistry.



Set of instruments for thermal analyses, model Perkin Elmer, purchased by the T-Pot project

Najveće prepreke na projektu:

- Provođenje postupka javne nabave
- Dodatni angažman pravne, financijske i računovodstvene službe
- Usklađivanje postupka projektnog i financijskog menadžmenta na svim sastavnicama Sveučilišta u Zg (izrada preporuke FP7 Radne skupine)

Najveći angažman na projektu:

- Administriranje projekta:
 - vođenje projektne stranice <http://t-pot.eu>
 - vođenje Portala TSRC-a <http://ts-rc.eu>
- Priprema za sastanke
- Vođenje vremenika za sve suradnike

BROJNE PREDNOSTI RADA NA EU PROJEKTU:

- Izvor prihoda dostatan za razvoj novih istraživanja (nabava opreme i edukacija)
- Suradnja s međunarodnim institucijama – stručnjacima u najužem području rada
- Razvoj novih inicijativa koje podržavaju podizanje znanstvenih kapaciteta (Centri izvrsnosti)
- Postizanje prepoznatljivosti HR u ERA
- **Uključivanje malih i srednjih poduzeća (SME-ova) u EU projekte ili aktivnosti projekta**



***SURADNJA AKADEMIJE &
INDUSTRIJE
=
NEOPHODNA***

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