

European Technology Platform *for the future of* **textiles** *and* **clothing**



European Technology Platform

Supporto Ricerca e Innovazione per le imprese tessili

Mauro Scalia

EURATEX

Textile Innovation day po.in.Tex , Biella , 8/6/2012



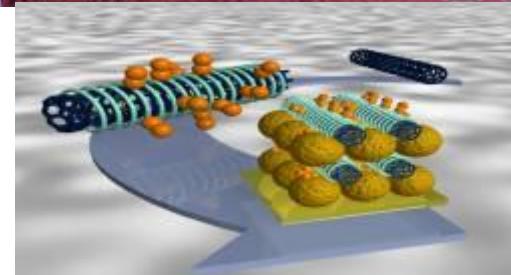
Realizzare una visione



Visione

Trends di sviluppo

- verso **prodotti specifici** (alto contenuto tecnologico/ valore) vs. prodotti di largo consumo (commodities)
- **I tessili come materiali di base**
in nuovi settori e per nuove applicazioni.
- **Personalizzazione** dei prodotti, (mass customization)
produzione su richiesta
- Innovazione in: **efficiente uso delle risorse**,
tecnologie a basso impatto ambientale,
prodotti sicuri e senza rischi per la salute del consumatore





Realizzare una visione



2 strumenti per le imprese:

TEPIIES



ETTMa



Cosa è?

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clothing



TEPIIES



Condivisione di proposte R&D e
ricerca partners

Come funziona

TEPIES



Idee

Bandi



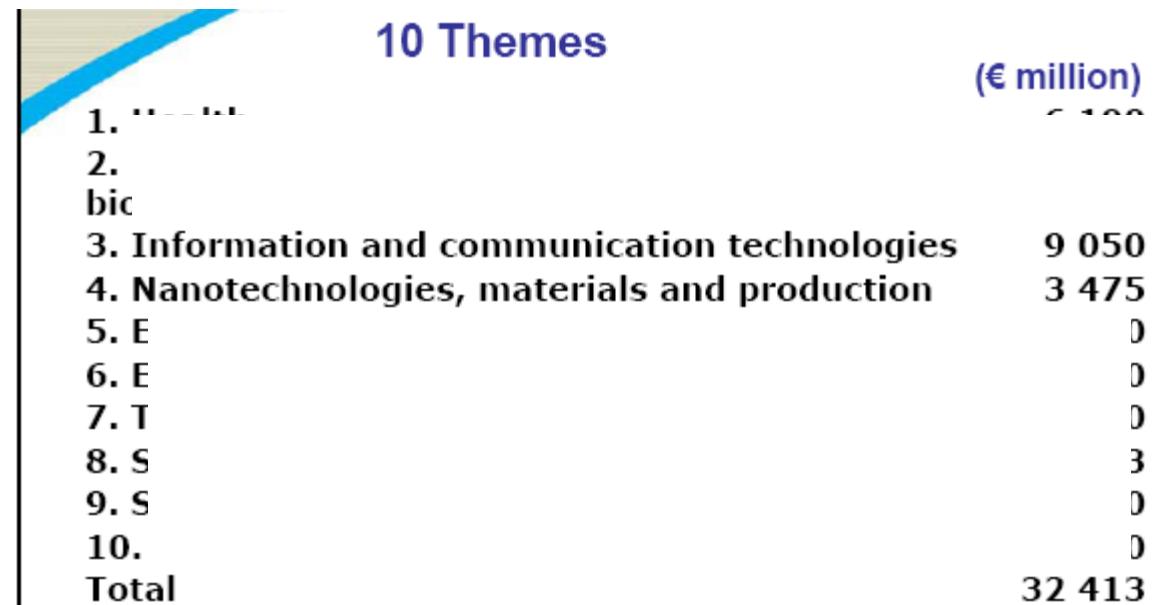
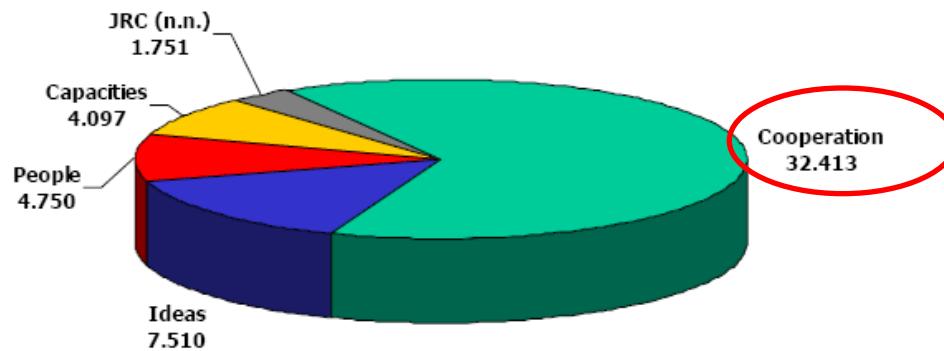
idee progetto,
manifestazioni di interesse



Proposte di
collaborazione

European Technology Platform for the Future of Textiles and Clothing			
Textile Project Proposal Information Exchange System (TEPIES)			
Expression of Interest for Preparation of a Project Proposal			
TEPIES call n° 01-2007			
Call Identification			
Call n°	Opening Date	Closing Date	
01-2007	26/02/2007	28/02/2007	
Proposer Identification			
Project n°	Project acronym (optional)		
Full proj	Full project working title		
Key re	EC-work programme topic ¹		
Non-confi	Key research partners		
Proposal Information			
Project acronym (optional)			
Full project working title			
EC-work programme topic ¹			
Non-confidential abstract (max. 200 words):			
Partner Search (optional)			
Search n°	Partner type	Industry/Research/Other (delete the unnecessary)	
Short desc	Short description of profile (competencies required, geographic origin etc., max 100 words):		
Contact for this Expression of Interest			
Title	Mr/Ms/Mr/Prof/Dr	First name	Name
Organization name			
E-mail address	Direct phone number		

FP7 budget (in billion €, total 50.521)



75% - 50% co-finanziamento
comunitario tipo in progetti di ricerca
industriale

**- NMP
main features**

- NMP addresses all industrial sectors
- Stimulates strong participation of SMEs
- Promotes a multi-disciplinary approach
- Favours cooperation across the supply chain
- Two stage proposal submission (except CSA)
- Budget allocation by call (not by Activity/Area)
- Yearly updated workprogramme

Come funziona

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	European Technology Platform for the Future of Textiles and Clothing <u>Textile Project Proposal Information Exchange System (TEPIIES)</u>	
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Expression of Interest for Preparation of a Project Proposal

TEPIIES call n° 01-2007

Call Identification			
	Call n°	Opening Date	Closing Date
TEPIIES	01-2007	26/01/2007	28/02/2007
EC	FP7-NMP-2007-SME-1	22/12/2006	04/05/2007
Proposer Identification			
Prime proposer organisation ¹			
Key industry partners ²			
Key research partners			
Proposal Information			
Project acronym (optional)			
Full project working title			
EC workprogramme topic ³			
Non-confidential abstract (max. 200 words):			
Partner Search (optional)			
Search n° ⁴	Partner type	Industry/Research/Other (delete the unnecessary)	
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Contact for this Expression of Interest			
Title	Mr/Ms/Prof/Dr	First name	Name
Organisation name			
E-mail address	Direct phone number		

TEPIIES form

Scadenze

Chi c'e'

Cosa vogliamo fare

Chi cerchiamo

Contatto



Bandi interni TEPIIES, i prossimi: 2013

Temi di interesse per l'industria/ricerca tessile



Bando	tema di ricerca
NMP.2013.2.1-1	Developing new precursors, new processing routes and functionalisations for carbon fibres
NMP.2013.3.0-1	Tools for Monitoring and Assessing Resource-efficiency in the Value Chain of Process Industries
NMP.2013.4.0-3	From research to innovation: substantial steps forward in the industrial use of European intellectual assets, stimulating the use of newly developed materials and materials technologies by the industry
FoF.NMP.2013-6	Mini-factories for customised products using local flexible production
ICT-2013.8.1	Technologies and scientific foundations in the field of creativity
EeB.NMP.2013-1	Nanotechnology for multifunctional lightweight construction materials and components
SEC-2013.1.4-1	Smart and protective clothing for law enforcement and first responders
ENV.2013.6.3-2	Eco-innovative demonstration projects
ENV.2013.WATER	INNO&DEMO-1 Water efficiency and innovation demonstration projects
OCEAN 2013.3	Innovative antifouling materials for maritime applications

Scadenze

TEPIIES: 7 Luglio

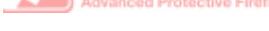
Bandi: Ottobre / Dicembre

Brokerage a Brussels 17 e 7/25 Settembre

Research Funding

Textile Projects in FP6/FP7 (2006-2011)

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50 Projects

500+ Organisations

€ 300 million of project budget

€ 200 million EU funding

PROSIE - Protective Responsive Outer Shell for People in Industrial Environments
FILIP LIETAER, BELCONFECT (BELGIUM)



PROSYS-LASER - Intelligent personal protective clothing for use with high-power, hand-held laser processing devices
REINHARD SCHMALE, JUTEC (GERMANY)



STAYCOOL - Lightweight, long endurance body cooling for fire fighters, ROBERTO VANUCCI, CENTROCOT (ITALY)



INTIMIRE - Development of intumescent polyester and polypropylene fibres for building and transport applications : potential industrial development
MOÏSE VOUTERS, ENSAIT (FRANCE)



MICRO-DRESS - Customised wearable functionality and eco-materials - Extending the limits of apparel mass customisation
CHRISTIAN LOTT, DFKI (GERMANY)



CORENET - How to support networked SMEs in producing customised fashionable and healthy goods
EVA COSCIA, TXT E-SOLUTIONS (ITALY) & MICHEL BYVOET, BIVOLINO (BELGIUM)



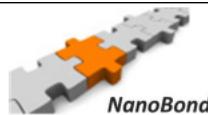
FASHION-ABLE - New technologies for customized healthy clothing, footwear and orthotics for consumers with highly individualised needs
JOSÉ OLASO, IBV (SPAIN) & TIMO SCHMELTZPFENNING, BSN MEDICAL (GERMANY)



MYWEAR - Customized Green, Safe, Healthy and Smart Work and Sports Wear
HELDER ROSENDO, CITEVE (PORTUGAL)



NANOBOND - Entering the medical market through European research
ALAIN LANGEROCK, DEVAN CHEMICALS (BELGIUM)



FIBRE CHAIN - Integrated Process Chain for Automated and Flexible Production of Fibre-Reinforced Plastic Products
JOFFREY STIMPFL, FRAUNHOFER-IPT (GERMANY)



BACTERIOSAFE - Active wound dressings based on biological mimicry
GUY BUYLE, CENTEXBEL (BELGIUM)



MAPICC 3D - One-shot Manufacturing on large scale of 3D up graded panels and stiffeners for lightweight thermoplastic textile composite structures
CAROLE MAGNIEZ, ENSAIT (FRANCE) & XAVIER THIERRY, DYLCO (FRANCE)



SONO - Towards the Future Hospital in which all the Textiles will be Antibacterial
AHARON GEDANKEN, BAR ILAN UNIVERSITY (ISRAEL) & ANTONIO ANDRETTA, KLOPMAN (ITALY)



BIOAGROTEX - agrotextiles from renewable resources : demonstrators and commercialisation approach
LUC RUYIS, CENTEXBEL (BELGIUM), IVES SWENNEN, BONAR TECHNICAL FABRICS (BELGIUM)



NO BUG - Novel release system and bio-based utilities for mosquito repellent textiles and garments
LIEVA VAN LANGENHOVE, GHENT UNIVERSITY (BELGIUM) & JEAN LUC DERYCKE, UTEXBEL (BELGIUM)



NATEX - Aligned Natural fibres and textiles for use in structural composite applications - Case studies
VALENTIN POLO, AIMPLAS (SPAIN) & MARGARETE GÖDEL, CEMO (GERMANY)



NOTEREFIGA - Temperature Regulating Textiles
FREDRIK JOHANSSON, FOV FABRICS (SWEDEN)



SAFE@SEA - Protective clothing for improved safety and performance in the fisheries
FRITJOF HENMARK, HELLY HANSEN (NORWAY)



PLACE IT - Platform for Large Area Conformable Electronics by InTegration
KOEN VAN OS, PHILIPS (NETHERLANDS)



PASTA - New electronic packaging concepts for smart textiles
RUNE JERVIDALO, PEPPERMINT HOLDING (GERMANY)



PROFITEX - Facilitating communication and situational awareness in fire fighting missions
MOHIT RAINA, ITA-RWTH AACHEN (GERMANY)



MICROFLEX - New emerging technologies for smart textile application
KONSTANTIN ASTAFIEV, MEGGITT A/S (DENMARK)



MODSIMTEX - Development of a rapid configuration system for textile production machinery,
JOSÉ ANTONIO TORNERO, INTEXTER-UPC, (SPAIN), JOAN PEIG, INFORMATICA TEXTIL S.L. (SPAIN)



SMART NETS - Smart Networking for the development of an innovative motorcycle helmet,
ARMIN LAU, DITF DENKENDORF (GERMANY) & MARCO GIACOMELLI, GRADO ZERO ESPACE (ITALY)



NEW PROJECT SNAPSHOTs:

ECOMETEX - Ecodesign methodology for recyclable textile coverings used in the European construction and transport industry
YVES GLOV, ITA-RWTH AACHEN (GERMANY)



AT~SEA - Advanced textiles for open sea biomass cultivation,
BERT GROENENDAAL, SIOEN INDUSTRIES (BELGIUM)



POWERWEAVE - Energy Independence in a Textile Form,
IAN JONES, TWI LTD. (UNITED KINGDOM)



Esempi di progetti in corso

Gli Esperti registrati della ETP possono accedere alle relative presentazioni recenti sul sito www.textile-platform.eu

ETTMa



European Textile Technology
Marketplace

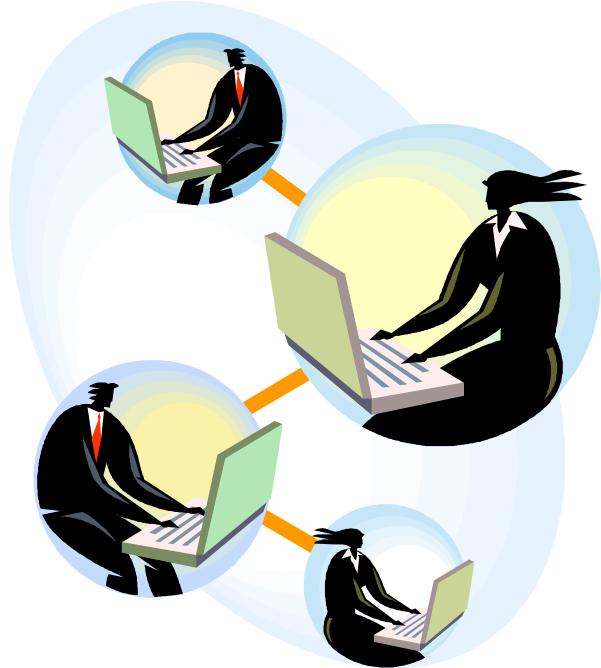
Il concetto



- ETTMa= Incontro domanda & offerta di tecnologie (inspirato dal successo dei TEPIES)
- Sfrutta il network come Open Innovation Platform (*crowd sourcing*)
- Consente:
 - alle aziende di trovare **tecniche innovative in Europa**,
 - alla Ricerca di **testare/validare risultati** con aziende europee

1) bando

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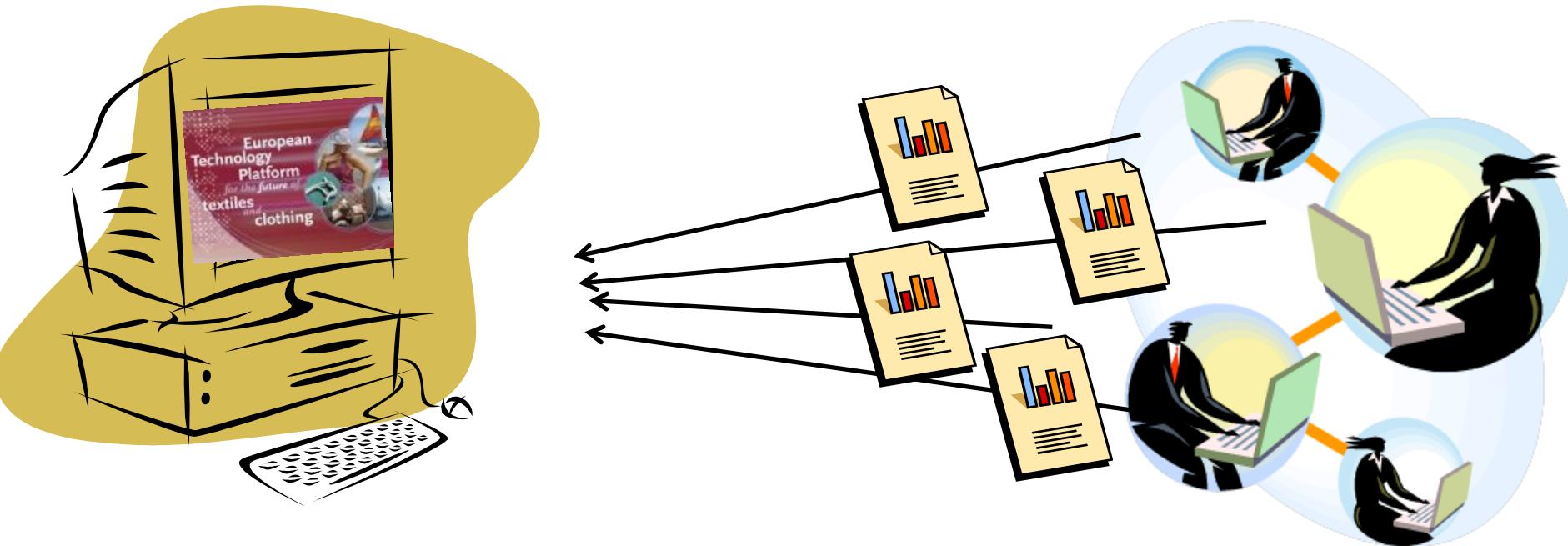


Segretariato ETP

ETP Network

2) Risposte

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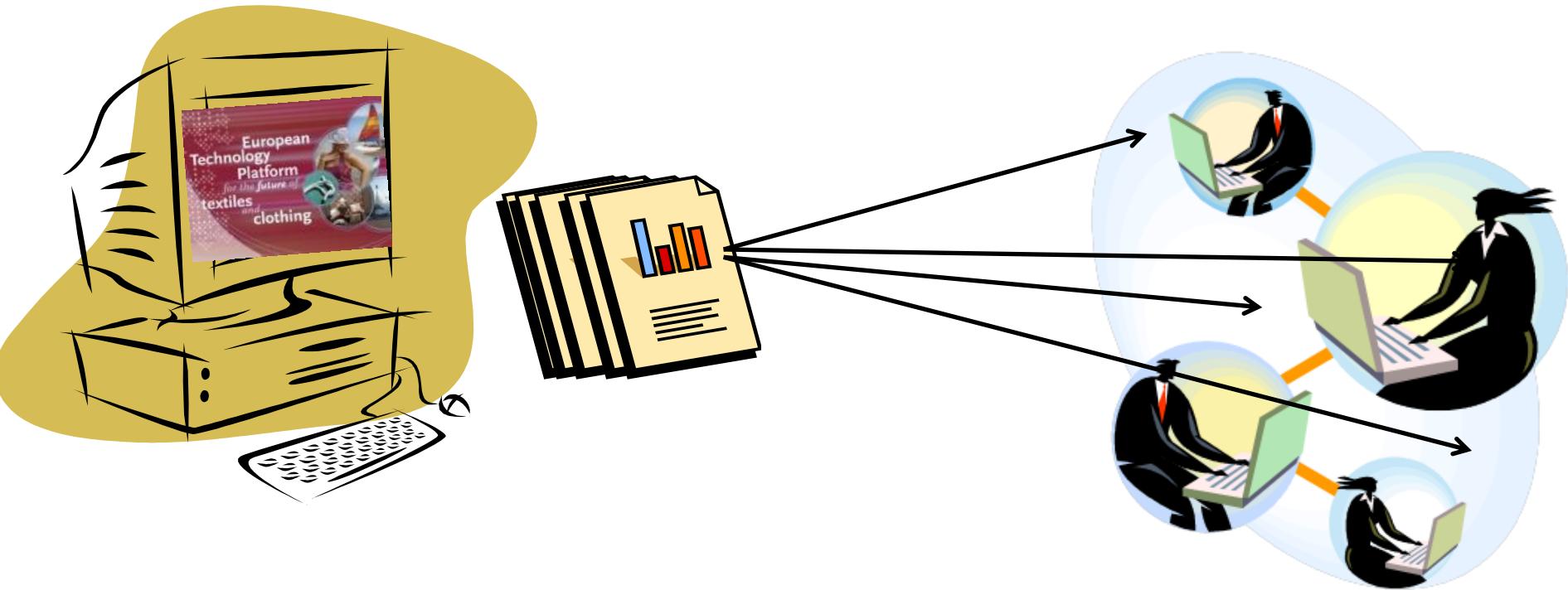


Segretariato ETP

ETP Network

3) diffusione

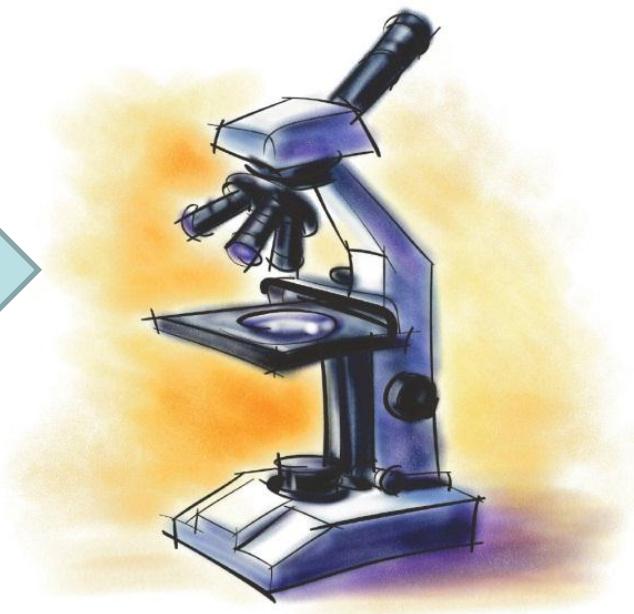
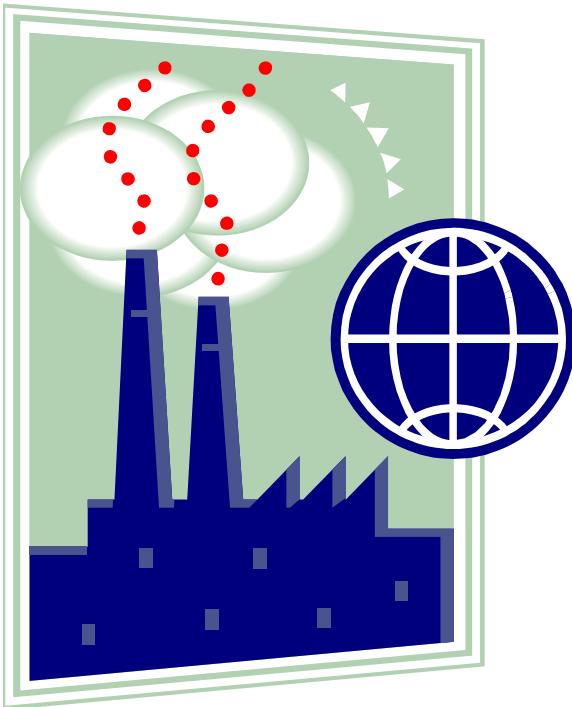
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Segretariato ETP

ETP Network

4) Interazione

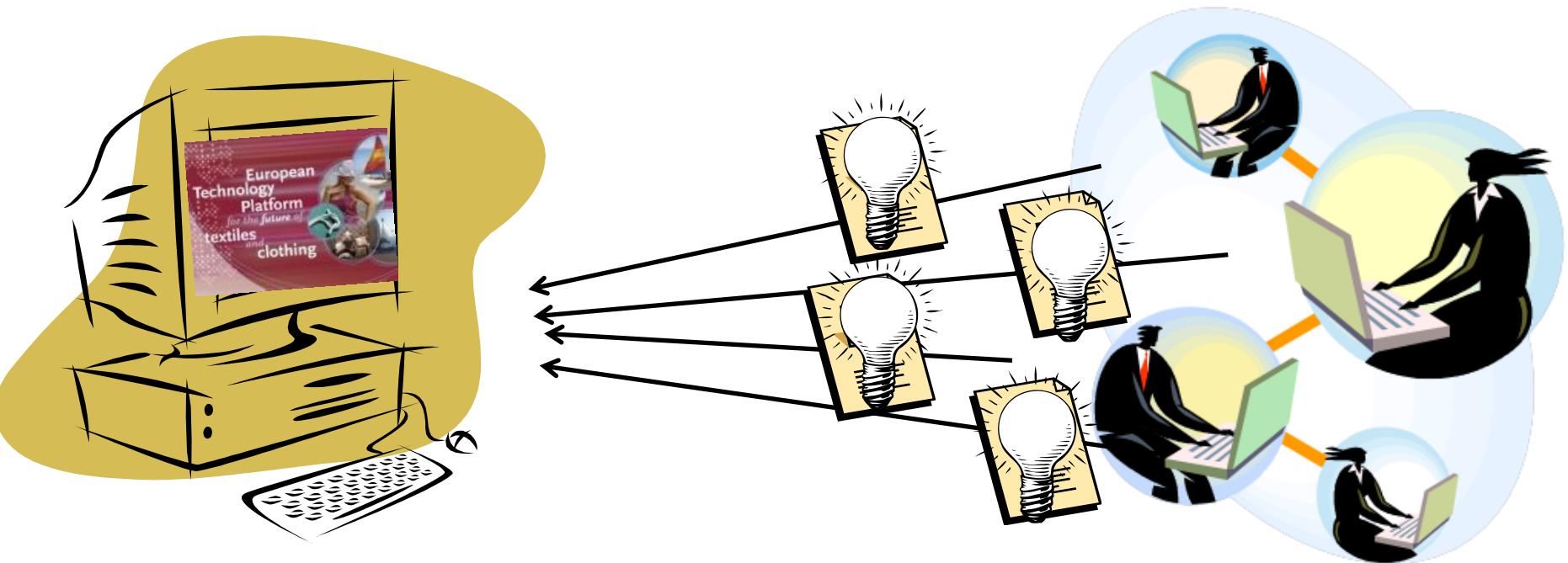


Azienda

Org. di Ricerca

5) Risposte II

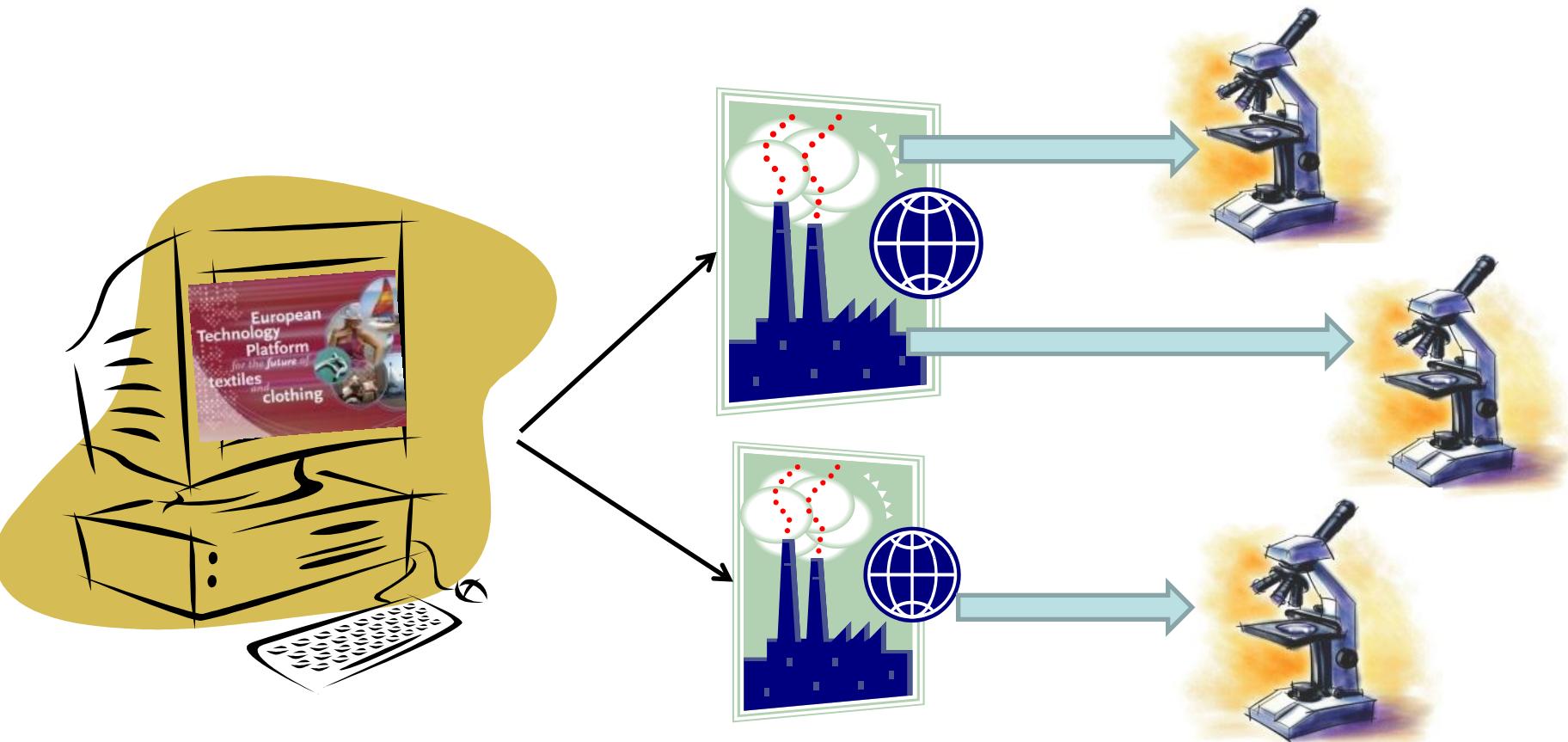
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Segretariato ETP

Org. di Ricerca

6) Interazioni II



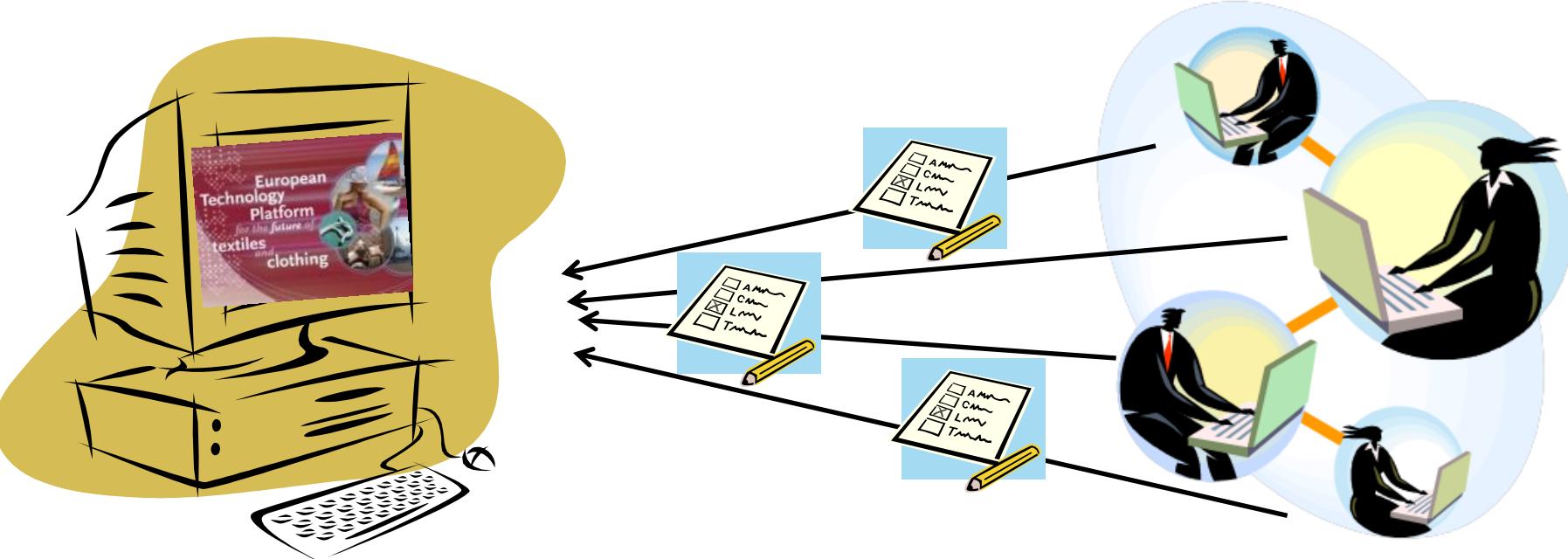
ETP segretariato

Aziende

Ricerca

7) valutazioni

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Segretariato ETP

ETP Network

ETTMa – 1^a call

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- **Call aperta Ottobre 2011**
- **Scadenza Dicembre 2011**

Risultati I:

- **61 risposte valide** (54 offerte di tecnologie, 7 richieste dell'industria)



Risultati II:

- **18 risposte a 6 richieste-industria**
- Inviate alle aziende primi di Febbraio (feedback richiesto in 2 settimane)





Valutazione dei risultati

Risultati I:

- Meccanismo largamente compreso
- Alcune offerte su competenze piuttosto che su soluzioni
- Reazione “timida” da parte dell’industria (azioni: comunicazione, chiarimenti)
- Grande potenziale da organizzazioni di ricerca non ancora attive- (solo 7 membri della federazione Textranet!)



Valutazione dei risultati

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Risultati II (risposte Industria 54 proposte Tech.):

- Monitoraggio ETP difficile (contatti bilaterali)
- Assessment dalla Ricerca: bassa risposta dell'industria, interesse a migliorare nella prossima call

Risultati II (proposte Tech a 7 richieste Industria):

- 6 richieste su 7 ricevono un'offerta
 - 3 follow-up con almeno 1 offerta
 - 1 no follow-up,
 - 2 non ancora definito



ETTMa – 2^a call

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- Call aperta Aprile 2012
- Scadenza 15 Giugno 2012

Miglioramenti:

- Necessaria + partecipazione Industria (ruolo importante di associazioni & clusters, e membri **Textranet**)
- Migliore descrizione delle offerte di tecnologia (dati concreti; no descrizioni scientifiche)
- Possibili brokerage (dopo la 2^a call)



Conclusioni

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Realizzare una visione

2 strumenti per le imprese:

TEPIIES



ETTMA



- Nuove conoscenze
 - Nuove collaborazioni lungo la filiera
 - No barriere all'entrata
- le aziende del polo possono iscriversi e partecipare

Contacts

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