Panoramica bandi Europei 2016-2017: opportunità per il tessile

Biella, 15 Dicembre 2015

Città Studi BIELLA

REGIONE PIEMONTE

POR-FESR 2007-2013

Progetto cofinanziato dall'Unione Europea, dal Ministero dell'Economia e delle Finanze e dalla Regione Piemonte

Tipi di finanziamenti

I finanziamenti Europei per la ricerca e innovazione vengono concessi a fondo perduto a progetti che rispondono alle tematiche e priorità indicate dalla Commissione Europea in appositi bandi.

Non esistono bandi esplicitamente ed esclusivamente dedicati a tematiche tessili, ma esistono diverse opportunità che possono essere sfruttate.

Principali tipi di finanziamenti disponibili:

- Bandi per lo sviluppo di **progetti cooperativi di ricerca e innovazione** a **finanziamento diretto**
- Bandi per lo sviluppo di **progetti cooperativi di ricerca e innovazione** a **finanziamento "indiretto"**
- Bandi per **progetti di sviluppo business di PMI** a **finanziamento diretto**

Bandi per R&S a finanziamento diretto

Call 2016-17	Titolo	Opportunità
EEB-01-2016	Highly efficient insulation materials with improved properties	Buildtech - substrati per costruzioni, isolamento termico e acustico, pareti
NMBP-08-2016	Affordable weight-reduction of high volume vehicles and components taking into account the entire life-cycle	Mobiltech - substrati per compositi da utilizzare per parti strutturali e interni
PILOTS-01-2016	Pilot Line Manufacturing of Nanostructured Antimicrobial Surfaces using Advanced Nanosurface Functionalisation Technologies	Varie (Medicale, Food, Aerospace) - substrati funzionalizzati per protezione di persone, medicinali, alimenti
SPIRE-01-2016	Systematic approaches for resource-efficient water managements systems in process industries	Varie - processi di lavaggio, tintura, nobilitazione, etc.
SPIRE-03-2016	Industrial technologies for the valorisation of European bio-resources into high added value process streams	Varie - sviluppo di fibre e ausiliari chimici di origine bio
FOF-10-2017	New technologies and life cycle management for reconfigurable and reusable customised products	ClothTech - abbigliamento sportivo, protettivo, tecnico, per anziani, disabili
CIRC-01-2016	Systemic, eco-innovative approaches for the circular economy large-scale demonstration projects	Varie - processi di riuso/riutilizzo, anche cross-settoriali
ICT-02-2016	Thin, Organic and Large Area Electronics	Varie - smart textiles
IoT-01-2016	Large Scale Pilots – Wearables for smart ecosystems	Varie - smart textiles
INNOSUP-01-2016	Cluster facilitated projects for new industrial value chain	Varie - azioni del Polo

EEB-01-2016
Highly efficient insulation materials with improved properties

Scope: address development and characterisation of new insulation materials and solutions based on nanotechnologies and/or advanced sustainable materials and offering enhanced insulation properties and environmental performance. Proposals could also consider highly effective insulation materials that respond dynamically to environmental stimuli (temperature, light, humidity, air and biological pollution, etc.)

Proposed solutions should go well beyond state of the art and take into account final performance properties of new materials and respective building components.

Factors to be considered: enhanced durability, reduced maintenance/costs, respect of sustainability, applicability to both new build and renovation, lightweight construction/ease of installation, improvement of indoor air quality, increased comfort/noise reduction, reuse/recycling of materials at end of life, resistance to damaging agents such as fire, moisture, rodents.

Proof of concept in terms of one (or more) component(s) should be delivered.

Applicazioni: Buildtech - substrati tessili per costruzioni, isolamento termico e acustico, pareti, realizzati con fibre di riciclo, etc.

NMBP-08-2016 Affordable weight-reduction of high volume vehicles & components taking into account the entire life-cycle

Scope: focus on large production volumes exploiting economies of scale, targeting production volumes of at least 50.000 units per annum, while investigating also the opportunity for developing common solutions across different types of vehicle.

A holistic, integrated, cost-driven approach should be pursued in order to optimize the use of lightweight materials solutions in all vehicle structures, subsystems and components (with the exception of concepts for stand-alone powertrains), considering the entire value chain from a life-cycle perspective: materials, tools, process, assembly and end-of-life.

Materials engineering should address the development of new low density/high strength and highly formable materials (e.g. steels, alloys, aluminium, castings, polymers, biomaterials, ceramics and reinforcements) and their combination (e.g. composites, sandwiches, high strength foams) at affordable prices starting from less expensive sources, also via recycling and/or processes which are less energy-demanding.

Applicazioni: Mobiltech - substrati tessili per compositi da utilizzare per parti strutturali (carrozzeria, telaio) e interni abitacolo

PILOTS-01-2016 Pilot Line Manufacturing of Nanostructured Antimicrobial Surfaces using Advanced Nanosurface Functionalisation Technologies

Scope: address development, upscaling and demonstration in relevant industrial environments of reliable materials and manufacturing processes to obtain nano-structured surfaces with antimicrobial, biocompatible, anti-adhesive properties.

Existing pilot lines should be used as starting point for development, incorporating new materials and methods and/or instrumentation with real time characterization for measurement, analysis and monitoring at nanoscale to characterise relevant materials, process properties and product features.

The aim is to increase the level of antimicrobial effectiveness, robustness and repeatability of such industrial processes; to optimise and evaluate the increased performance of production lines in terms of productivity and cost-effectiveness; and finally to assess the functionality and performance of the new materials/products.

Proposals should address the complete research-development-innovation cycle and obstacles remaining for industrial application, and involve a number of relevant materials producers and users, also considering the needs of SMEs.

Applicazioni: Varie (Medicale, Food, Aerospace) - substrati funzionalizzati per protezione di persone, medicinali, alimenti

SPIRE-01-2016
Systematic approaches for resource-efficient water managements systems in process industries

Scope: research activities should focus on several of the following areas:

- Combining existing technologies (e.g. advanced processing, nano-technology and materials) in order to achieve enhanced sustainability in water treatment processes by reducing water use, energy and raw materials consumption and at the same time minimizing waste and/or recovering valuable substances.
- Selective separation processes to be able to treat specific industrial fluxes
- Adaptation of current processes or equipment to use alternative water sources. e.g. rainwater, cooling water, or Waste Water Treatment Plant (WWTP) effluent.
- Alternative cooling/heating methods. Reducing energy levels that are needed for water and steam related production processes.
- Use of renewable energy (e.g. photo-degradation of pollutants).
- Closed loop recycling & reuse, involving cascading of processes and industrial water symbiosis.

Applicazioni: Varie - processi di lavaggio, tintura, nobilitazione, etc.

SPIRE-03-2016 Industrial technologies for the valorisation of European bio-resources into high added value process streams (e.g. fibres)

Scope: utilisation of biomass waste streams of organic nature from industrial processes (e.g. food and feed industry, aquaculture) and/or side streams from harvesting activities (e.g. agricultural and forestry harvesting residues) ensuring non-competition with higher value chains (e.g. food production).

Proposals should provide novel concepts to fully valorise these bio-resources, providing high added-value products and bio-based streams (bio-chemicals, monomers, fibres, polymers, proteins etc.) for further utilisation in industry.

Proposals should target technologies (e.g. chemio/thermo/bio-catalytic technologies and fermentation), which can include recovery, and primary (e.g. sugars, lignin, tannins, resins, proteins) and/or secondary (e.g. furans, sugar acids, carboxylic acids, fatty acids and aromatics) processing of bio-resources.

Proposals should envisage the demonstration of the concepts in an industrially relevant environment and show the potential for their integration into the relevant industrial sectors.

Applicazioni: Varie - sviluppo di fibre e ausiliari chimici di origine bio

FOF-10-2017 New technologies and life cycle management for reconfigurable and reusable customised products

Scope: consumer goods manufacturers should be able to easily and effectively integrate products / components which can be independently designed, produced and used to make diverse final personalised products in different production systems.

Research should address methodologies and new production techniques for a fast manufacturing, assembly and configuration of complex personalised products, innovative methods for personalised products updatability, disassembly for reuse and end of life management, methodologies for the development of services (assembly, configuration, disassembly, reconfiguration) along the whole value chain and along overall life cycle also including the aftersale stage.

Proposals are expected to include use-case demonstrations, all relevant value-chain stakeholders are expected to participate. Resulting personalised products are expected to satisfy final consumer needs at an individual level and facilitate daily life (particularly concerning elderly, disabled or other target groups with special needs) or improve workers and sportsmen safety and health.

Applicazioni: ClothTech - abbigliamento sportivo, protettivo, tecnico, abbigliamento e ausili per anziani, disabili, clienti con esigenze speciali

CIRC-01-2016 Systemic, eco-innovative approaches for the circular economy large-scale demonstration projects

Scope: Proposals shall address one of the following issues:

Design for circular value and supply chains: through large demonstration projects, organisations, including from process and manufacturing industries and SMEs, are expected to test and showcase circular economy solutions based on re-design of value & supply chains, taking into account products, production processes as well as involving final users.

Solutions should entail the environmentally sustainable recovery, recycling/re-use of resources and energy flows, including cross-sectorial symbiosis, within the overall chain from resources to marketed products.

Proposals should include an outline business plan which can be developed further in the course of the project.

Applicazioni: Varie - processi di riuso/riutilizzo, anche cross-settoriali (es. riutilizzo di scarti di altri processi)

ICT-02-2016 Thin, Organic and Large Area Electronics

Scope:

a) Advancing readiness of TOLAE technologies and/or hybrid integration for use in applications. Development of advanced materials, technologies and scalable manufacturing processes (ranging from vacuum deposition to printing under ambient conditions) and/or the hybrid integration of micro/nano-electronics (including thin silicon) and photonics components. Focus on conformable, flexible or stretchable substrates (paper, plastic, metal foil, glass or textile). The goal is to have reliable TOLAE-enabled devices with more functionality, better performance and longer lifetime, ready for use in applications with high growth or high volume potential. Work could also address specific needs for textile electronics.

Actions should demonstrate strong industrial and user commitment, be driven by user requirements and include validation of the results for the chosen applications.

b) Set-up and validation of pilot line for Hybrid Systems. Demonstration of TOLAE-enabled product prototypes

Applicazioni: Varie - smart textiles

IoT-01-2016 Large Scale Pilots – Pilot 3: Wearables for smart ecosystems

Scope: Demonstration of innovative wearable solutions and services integrated in interoperable IoT ecosystems. Wearables are integrating key technologies (nano-electronics, organic electronics, sensing, actuating, localization, communication, energy harvesting, low power computing, visualisation and embedded software) into intelligent systems to bring new functionalities into clothes, fabrics, patches, watches and other body-mounted devices. They assist humans in monitoring, situational awareness and decision making. Particular attention should be devoted to actuating functions providing whenever feasible fully automated closed-loop solutions. Prototype development and demonstration are expected for healthcare, well-being, safety, security and infotainment applications.

Actions should be driven by concrete business cases, open design approaches and user requirements, taking into account data protection and liability concerns. They should involve actors of the entire innovation value chain, potentially including creative and artistic actors, and aim at demonstrations in real world settings. The number of users involved should be sufficient to ensure statistical significance in impact analysis.

Applicazioni: Varie - smart textiles

INNOSUP-01-2016 Cluster facilitated projects for new industrial value chain

Scope: Cross-border & cross-sectoral collaboration, innovation & entrepreneurship across different regions and value chains shall be promoted.

Coordination and facilitation should be led by clusters and other intermediary organisations, following a systemic approach that combines different resources, tools and instruments. Innovation actors, especially SMEs with mutually reinforcing competences, shall be supported to create new industrial value chains that foster development of emerging industries in Europe.

Proposals shall outline a strategic vision for building new industrial value chains across Europe. They shall specifically focus on integrating and supporting groups of SMEs in collaboration with other innovation actors in addressing specific problems and challenges. Each proposal should demonstrate the capacity to:

1. validate ideas for innovation projects driven by SMEs from different sectors
2. support innovation activities (mentoring, coaching, innovation and technical assistance vouchers, etc.)

Applicazioni: Varie - azioni del Polo

Bandi per R&S a finanziamento ‘indiretto’

Bandi a finanziamento “indiretto”

Il co-finanziamento per progetti di ricerca e innovazione trans-nazionali viene erogato dalle Regioni che sostengono il bando.

Per il Piemonte ci sono:

- MANUNET
- INCOMERA

Bandi per PMI a finanziamento diretto

Bandi per PMI a finanziamento diretto

Il co-finanziamento per progetti di sviluppo di business viene erogato dalla Commissione Europea.

Tra le tematiche più “affini al tessile” ci sono:

- SIE-1-2014/2015 - Stimulating the innovation potential of SMEs for a low carbon and efficient energy system (Efficienza energetica)
- SC5-20-2014/2015 - Boosting the potential of small businesses for eco-innovation and a sustainable supply of raw materials (Eco-innovazione)

Che tipi di progetti sono finanziati?

Progetti collaborativi:

- coerenti con aspettative e requisiti del bando selezionato (TRL, risultati, ...)
- obiettivo applicativo chiaro, impatto rilevante
- ambiziosi con **reale collaborazione trans-nazionale.** Cosa si intende?

Criteri formali:

- almeno 3 partner da 3 Stati differenti
- nessun partner richiede più del 50% dei costi del progetto

Criteri sostanziali:

- dimensione Europea del business e dell'impatto
- trasferimento di know-how tra partner di Stati differenti
- catena del valore non mono-Stato

Che tipi di progetti sono finanziati?

Progetti individuali (bando PMI):

- coerenti con aspettative e requisiti del bando selezionato (TRL, risultati, ...)
- innovazione “da salto competitivo” matura per l’industrializzazione
- chiaro modello di business per lo sfruttamento dell’innovazione
- business plan completamente definito
- impatto applicativo rilevante
- strategia di crescita ambiziosa, almeno su scala europea

Azioni Pointex

Per tutti gli associati

I. **Informazione** (sezione dedicata sul sito Pointex)

II. **Orientamento e supporto** nella predisposizione delle domande di finanziamento

III. **Ricerca partner** grazie alla rete Textile2020 e in collegamento con Euratex (TEPPIES) ed EEN (Enterprise Europa Network)

Su richiesta

- Redazione delle domande
- Rendicontazione tecnico-amministrativa

Informazione

Programma completo Horizon 2020

Link diretto alle varie Call da cui si possono scaricare tutte le informazioni

Ricerca partner di settore

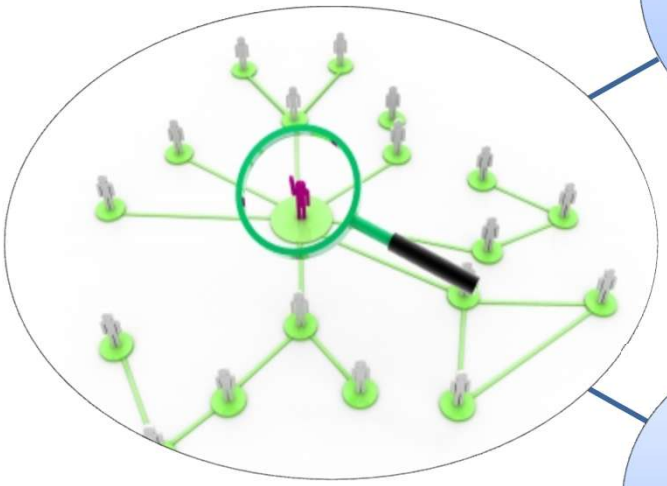
Advanced Textile Materials
TEXTILE2020.eu
World Class Cluster

- Più di 900 aziende e centri di ricerca
- 6 paesi Europei: Francia, Germania, UK, Spagna, Repubblica Ceca, Italia

TEPPIES
Textile Project Proposal Information Exchange System

- Eventi di brokeraggio a Bruxelles

Ricerca partner intersettoriali



Poli di Innovazione (altri settori)

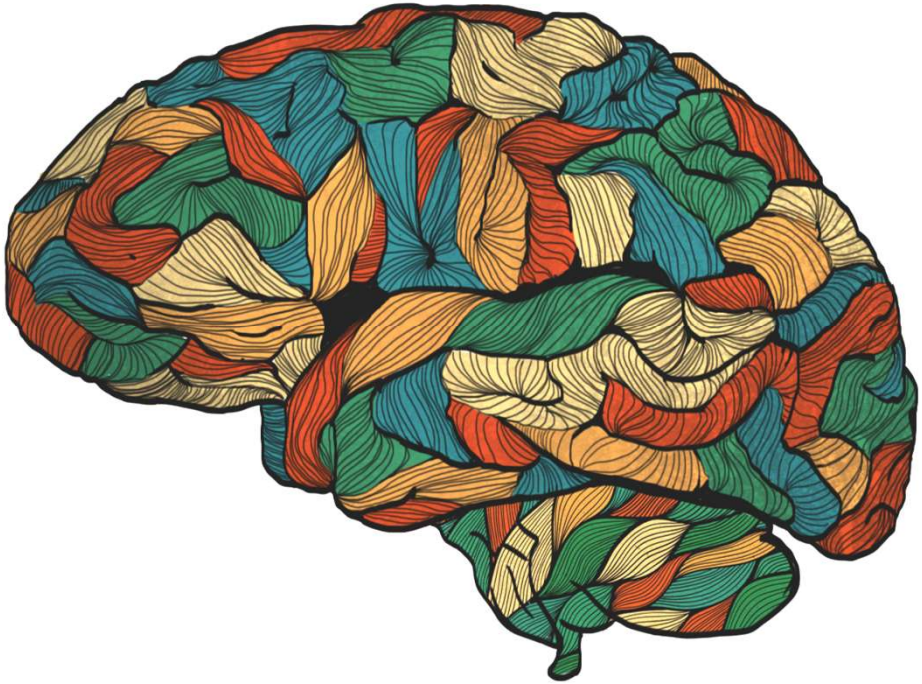
- Reti Europee
- Piattaforme Tecnologiche

Enterprise Europa Network

- CCIAA Torino è National Contact Point per il Nord Ovest

TEPPIES: modulo per ricerca partner

Proposer identification	
Prime proposer organisation	
Key industry partners	
Key research partners	
Proposal information	
Project acronym (optional)	
Full project working title	
EC workprogramme topic	
Non-confidential abstract (max. 100 words):	
Partner search	
Partner type	Industry/Research/Other (delete the unnecessary)
Short description of profile (competences required, geographic origin etc., max 100 words):	
Contact for this Expression of Interest	
Name of person	
Organisation	
Contact details	



ABBIAMO IN MENTE COME CRESCERE INSIEME

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GRAZIE PER L'ATTENZIONE