



## Development of sustainable textiles against bugs

### PRESS RELEASE

Terrassa, 4<sup>th</sup> May 2016

### MEETING OF BETITEX CONSORTIUM IN PRAGUE

On 21<sup>st</sup> and 22<sup>nd</sup> April, a monitoring meeting of the BETITEX consortium was held in Prague (Czech Republic), organized by CLUTEX.

BETITEX is a research and development project cofounded by the European Union's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 606517, with a total budgeted of 1.560.604 €.

The aim of the Project is to obtain textile materials capable of providing protection against ticks and bedbugs, which are arthropods of medical and veterinary importance all over the world. It is expected to obtain high durability of slowly released repellent/insecticide effect.

During the monitoring meeting BETITEX partners discussed the results obtained to date and planned the tasks to be undertaken during the next 6 months, until the end of the project in October 2016.

BETITEX has a total of 8 Work Packages which are executed by the 11 partners forming part of the project consortium: 4 SMEs Associations: GREMI TEXTIL DE TERRASSA (coordinator) and ATEVAL from Spain, CLUTEX from Czech Republic and TEXCLUBTEC from Italy; 3 technological centers: INOTEX from Czech Republic and LEITAT (member of Tecnio) and TECNALIA both from Spain and 4 SMEs: GEM'INNOV from France, LA INDUSTRIAL ALGODONERA from Spain, NILKA from Turkey and SILK&PROGRESS from Czech Republic.

In WP1 a selection of the biocide substances and textile materials to be used during the research and development activities has been performed. WP2 finished in January'15 with a study about different methodologies to apply the biocides to the fabrics. At present, WP3, WP4, WP5 and WP6 are in progress. In WP3, a study and definition of the methodology for testing fabrics with effect against ticks and bedbugs has been prepared. In WP4, involved partners are treating and testing the capacity of the textile materials to provide repellence or insecticide effect.



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WP5 started on December'15, with the aim of studying the durability of the insecticide and repellence effect of the treated fabrics. During this WP, the effect is being measured after several washing cycles and a characterization of the fabrics will be done in order to define if the optimum fabric obtained is capable of providing repellence/insecticide effect without reducing common and usual characteristics.

WP6, which started on March'16, corresponds to the industrialization of the optimal solutions detected at laboratory scale, with the aim to demonstrate the economic and industrial feasibility of the product.

Final result of BETITEX, expected in October'16, will be a prototype of a textile material providing protection from ticks and bedbugs bites. This prototype will be the basis to develop new final products, such as mattress covers or upholstery against bedbugs or garments for outdoor activities protecting from ticks.





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November 2013 - October 2016

The objective of the project is to obtain textile materials capable of providing protection against ticks and bedbugs in personal protective equipment and home textiles applications.

Results will contribute to promote a greener and more competitive economy as the final products will be as sustainable as possible by means of using natural, biodegradable or recyclable textile materials in combination with authorized biocides and by using eco-friendly textile technologies.

### PARTNERS



Further information: [www.betitex.eu](http://www.betitex.eu)



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