

**7<sup>th</sup> Joint CORNET Call for Transnational Collective Research Proposals**  
**--- Project Idea ---**

<b>Subject:</b>	<p>DIFFERENT PRODUCTS AND DESIGN POSSIBILITIES ON TRICOT MACHINERY</p> <p>Acronym: TRITECH</p>
<b>Coordinator:</b>  <b>Other applicant(s):</b>	<p>Turkish Knitwear Industrialists Association, Turkey</p> <p>Ege University, Textile Engineering Department, Turkey</p> <p>Research Performer</p> <p>TITV Greiz - The Institute for Special Textiles and Flexible Materials, Germany, Research Performer</p> <p>The Polish Federation of Apparel and Textiles, Poland</p>
<b>Sector/target group:</b>	KNITWEAR INDUSTRY
<b>Proposal summary:</b>	<p>Although Turkish Tricot Sector has followed all innovations on machines and equipments and made big investments, the products are limited only to outerwear. Since the research and development works on new products are not sufficient this results in generally low added value products. The activities which have been performed to support this sector, to increase the capacity utilization rate and to increase the power of competition and the market share are unfortunately only limited to new pattern developments. With this project it is aimed at researching, designing and producing of new, high value added products besides outerwear.</p> <p>The project has two aims: the first one is to develop tricot products with high garment comfort which has increasing importance worldwide. The properties required for a comfortable garment are: flexibility, covering the body like a second skin, crease resistant, comfortable feeling, optimum heat and moisture regulation, good moisture absorption and moisture transfer capacity, protection against long term moisture feeling, fast drying, no irritation, softness and lightness.</p> <p>The second aim of this project is to develop and design new products which will create new application areas for tricot machines. Up to now</p>

	<p>tricot machines have been used only for outerwear. By means of this project, it will be possible to develop new products and especially technical textiles. Finally the main target is to increase to profitability and capacity utilization rate with new products.</p>
<p>Advantages for trade and industry:</p>	<p>The purpose of this project is to produce different high value added products, to use existing tricot machines for different purposes and to increase the market share of the tricot products and rate of capacity utilization rate of textile sector with the help of new application areas.</p>
<p>Dissemination concepts:</p>	<p>As a result of this project, it is expected to open up new utilization fields for the tricot sector in Turkey which have a great capacity. In this project, It is aimed at creating new application areas such as medical, technical and military, besides knitted garments which have better physical, thermal and mechanical properties by using new type of yarns. In this case high value added products will be produced and the market share will be enlarged. The results of the project will be the first step for developing more distinct products and shared with the whole tricot sector. This aspect increases the value of this project.</p>
<p>Profile of additional partners:</p>	<ul style="list-style-type: none"> <li>- Tricot industrialists</li> <li>- Fiber manufacturers</li> <li>- Associations for tricot sector</li> <li>- Manufacturers of technical textile</li> <li>- Knitting machine producers</li> </ul>
<p>Contact:</p>	<p>Name : Kamuran ADIYAMAN</p> <p>Organization: Turkish Knitwear Industrialists Association (TRISAD)</p> <p>e-mail: genelsekreter@trisad.com</p> <p>Tel: 90 212 438 06 60</p>