

The Innovative Textiles Thematic Area of the S3 Platform – Mapping Study and Collaboration Potential in EU Textile Regions

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Partners

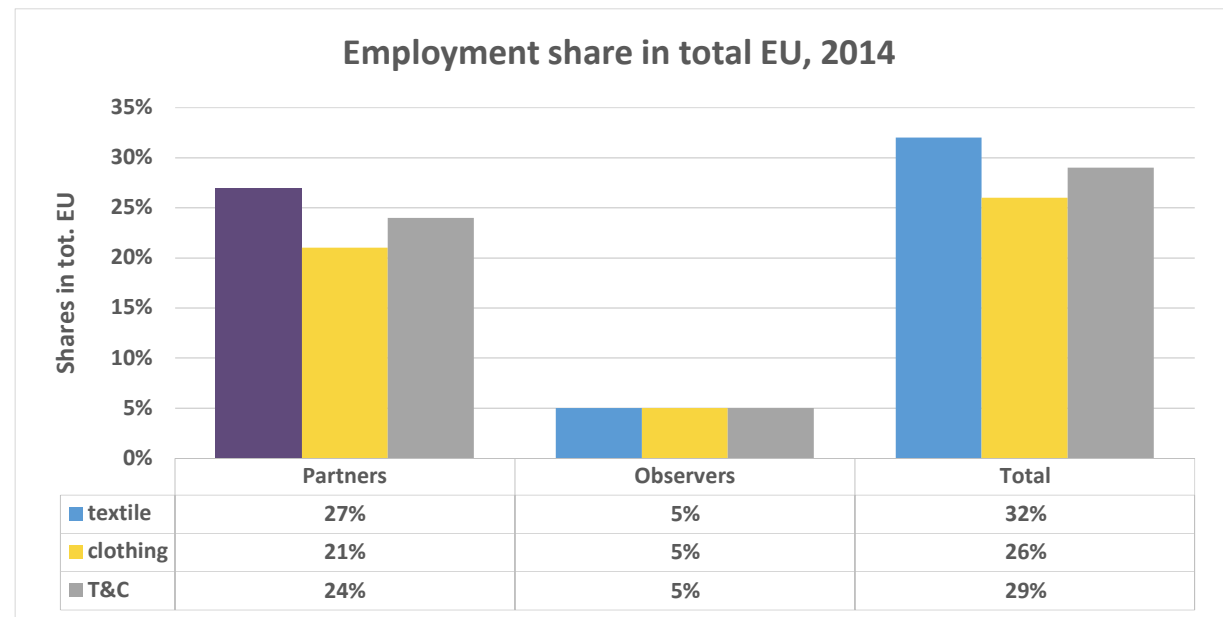
Active:

- Valencia
- North East Romania
- Campania,
- Catalonia,
- Emilia Romagna,
- Hradec Kralove,
- Lombardy,
- Norte,
- Piedmont,
- Västra Götaland,
- West Flanders,
- Auvergne Rhone-Alpes

Observers

- Puglia,
- Tuscany.

1/3 of employment
in textile industry in Europe



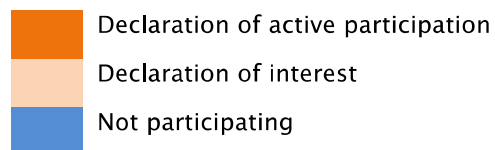
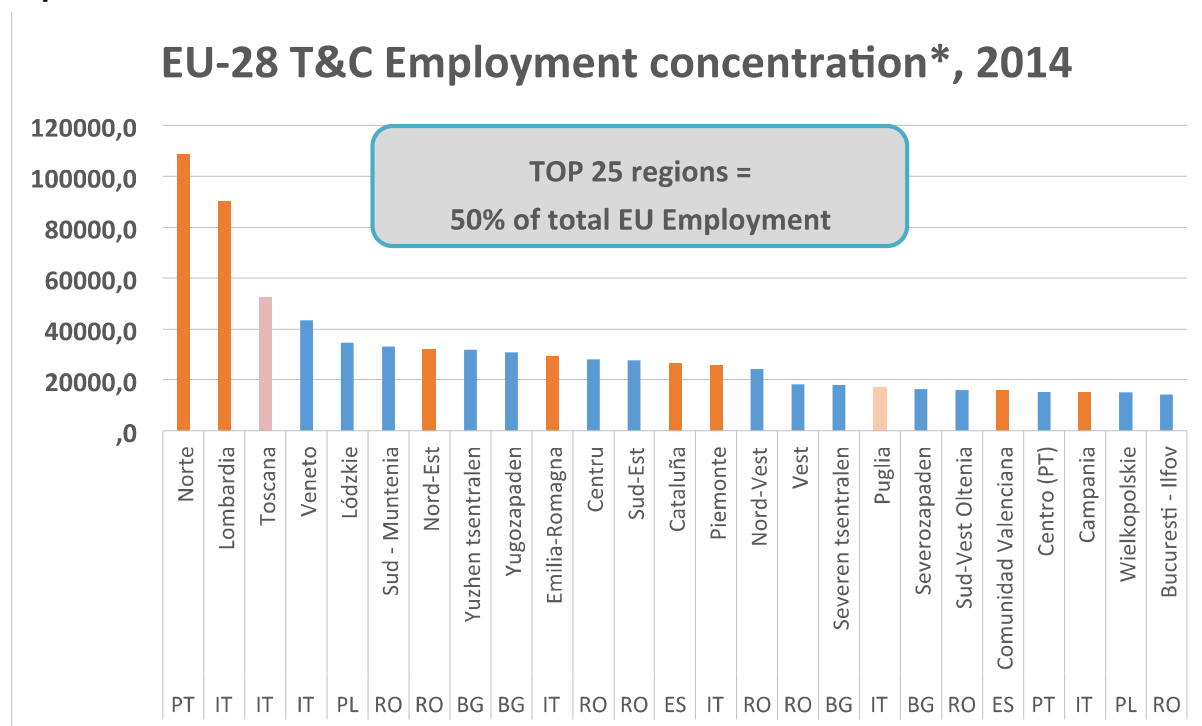


Work plan

- 1 – Textile Europe
- 2 – Value chains
- 3 – Concentration analysis
- 4 – Qualitative mapping
- 5 – Scientific profiling
- 6 – Exchange of ideas
- 7 – Widening the project portfolio
- 8 – Decision on the most promising project ideas
- 9 – Deepening of knowledge
- 10 – Financial mapping
- 11 – Acceptance by regional authorities
- 12 – Choosing project leaders



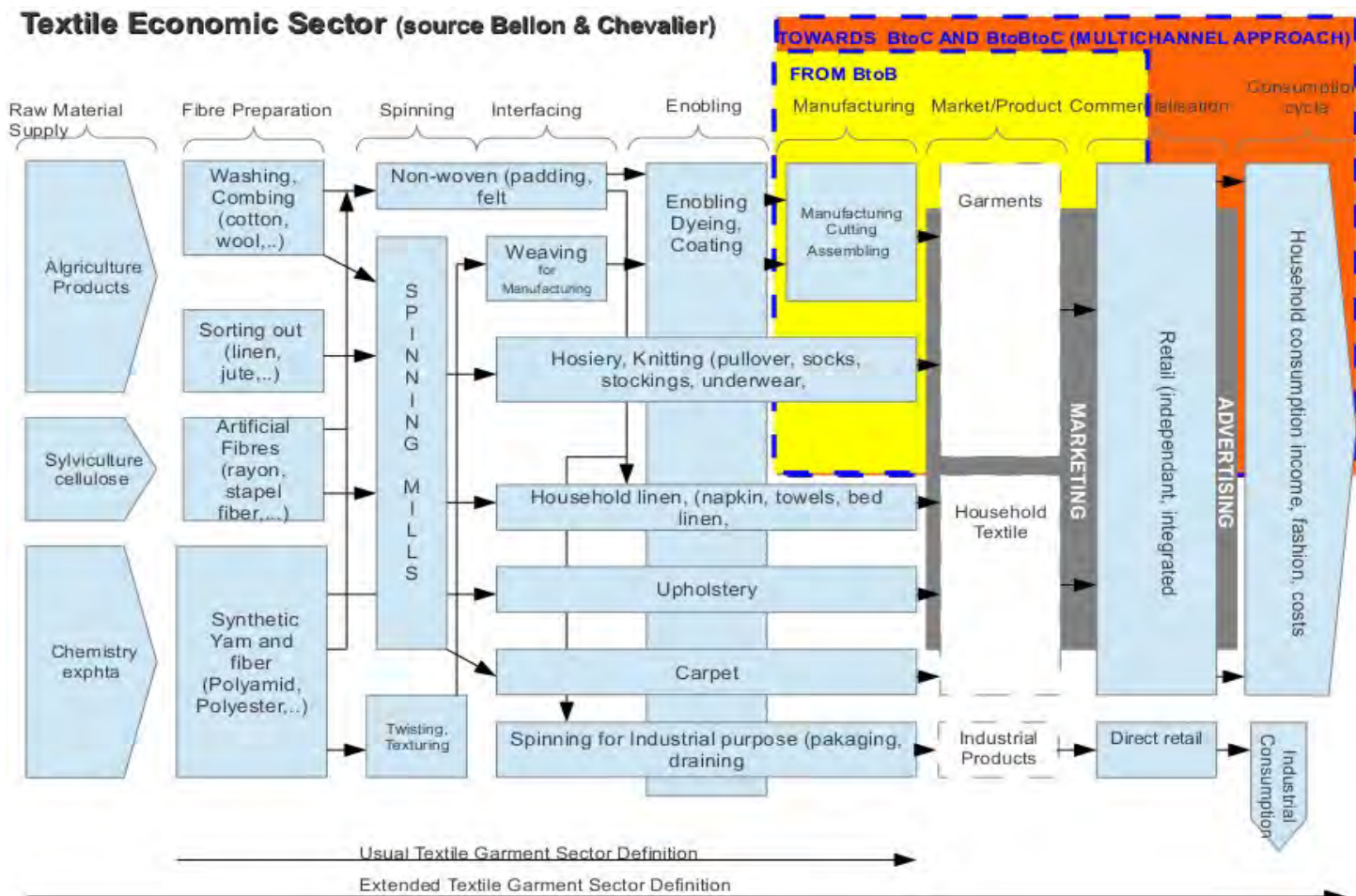
1 – Textile Europe



* According to Spanish National Statistics Office, the employment in textile sector in Catalonia (NACE C13, C14 and C15) is much higher and comes to 42,000 people. The difference with Eurostat data can be a result of different qualification of the company sizes for statistical purposes (for different countries the size of companies shown in statistics differs)



2 – Value chains

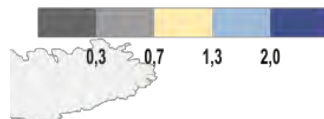




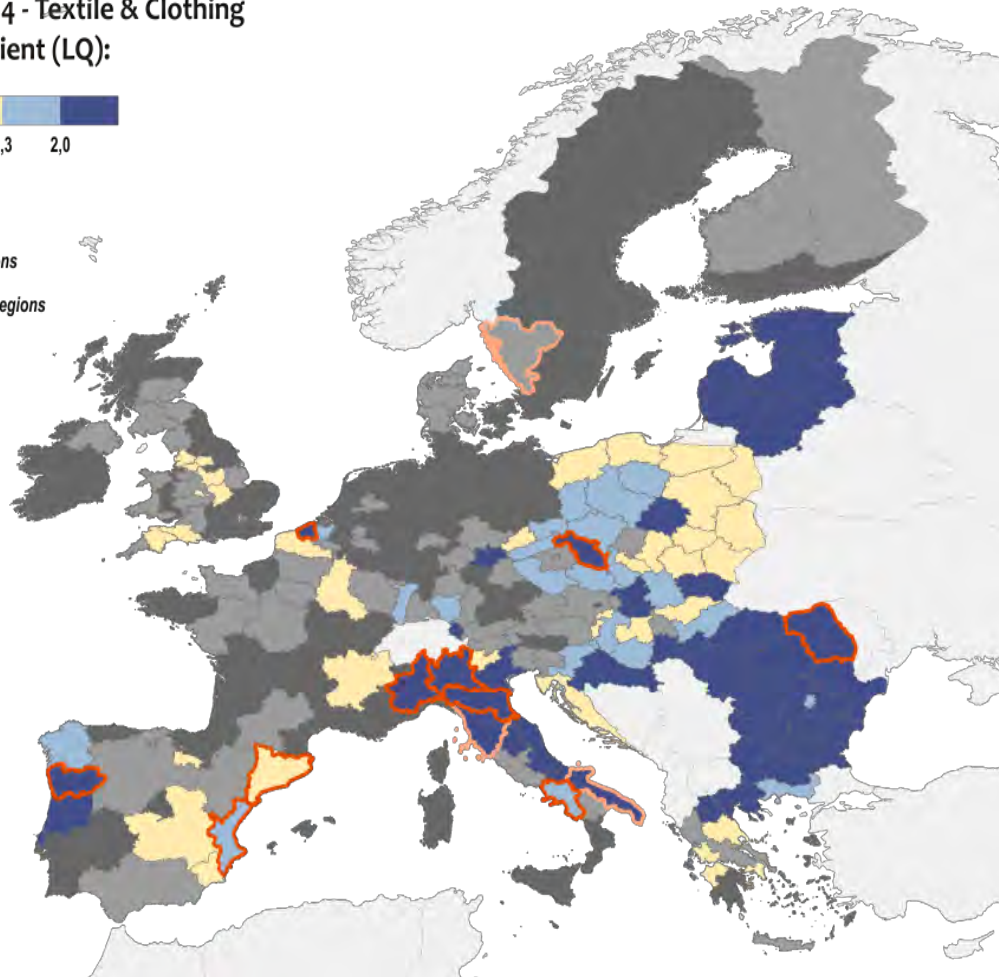
3 – Concentration analysis

Economic concentration

Employees 2014 - Textile & Clothing
- location quotient (LQ):



active regions
interested regions



Source: M. Matusiak and W. Kisiała (based on Eurostat data)



3 – Concentration analysis

Economic concentration

C13 – Manufacture of textiles





3 – Concentration analysis

Economic concentration

C14 – Manufacture of wearing apparel





3 – Concentration analysis

Economic concentration

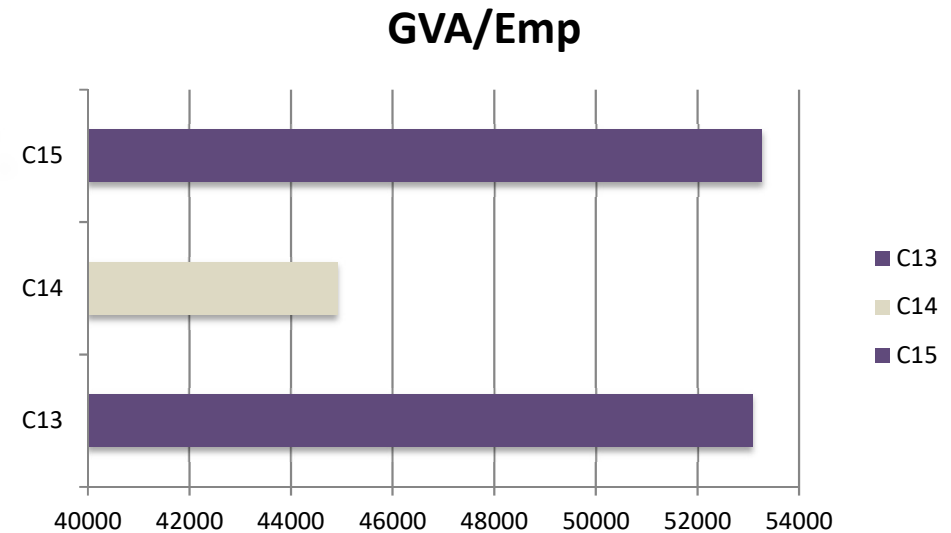
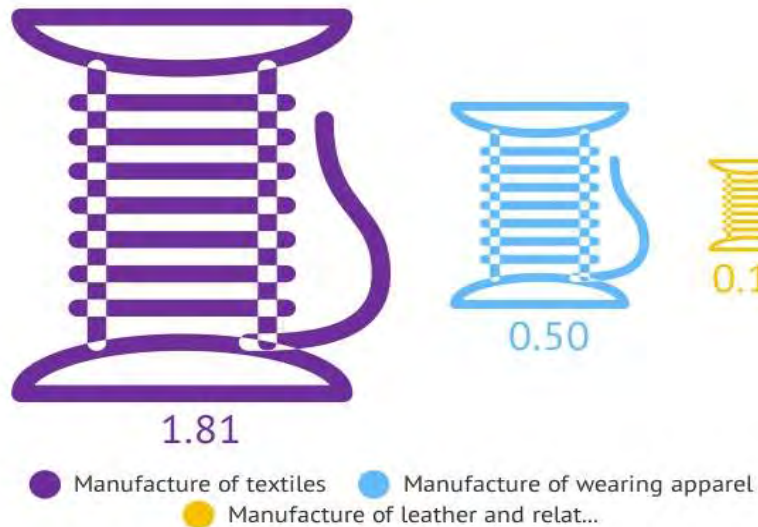
**C15 – Manufacture of leather
and related products**





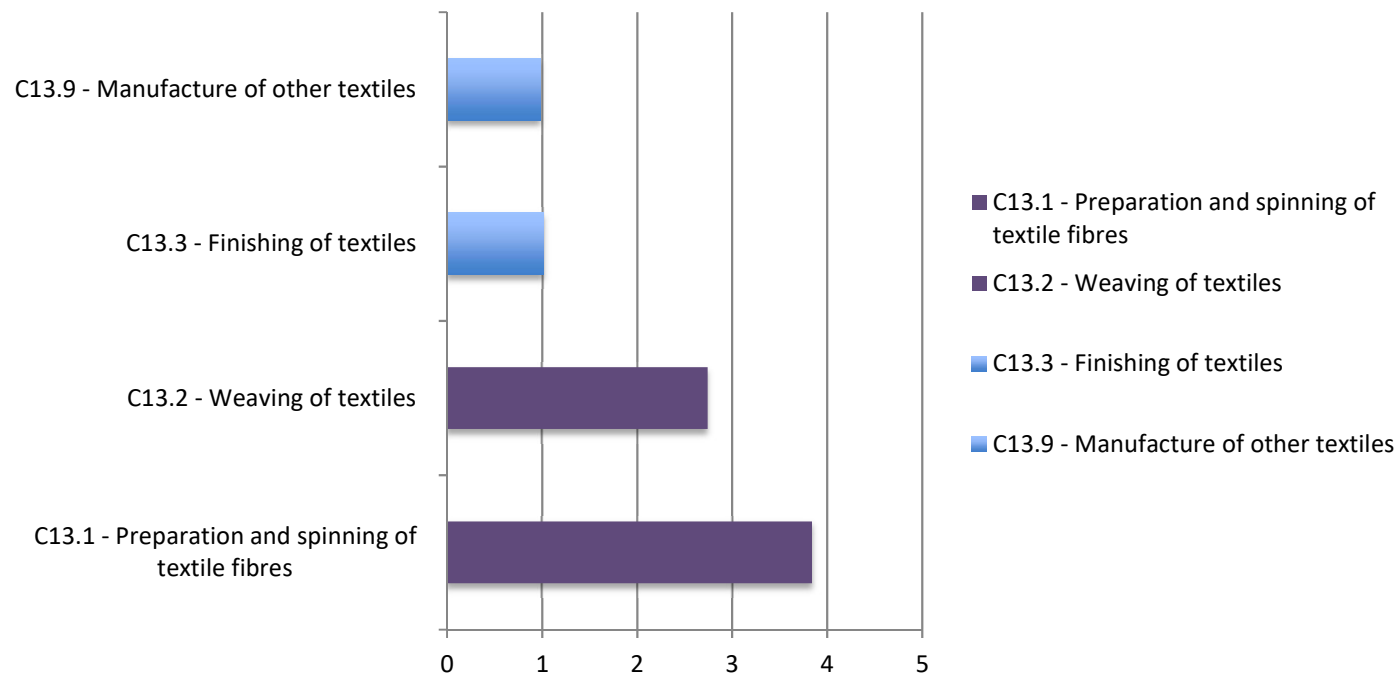
3 – Concentration analysis

Value added Piemonte



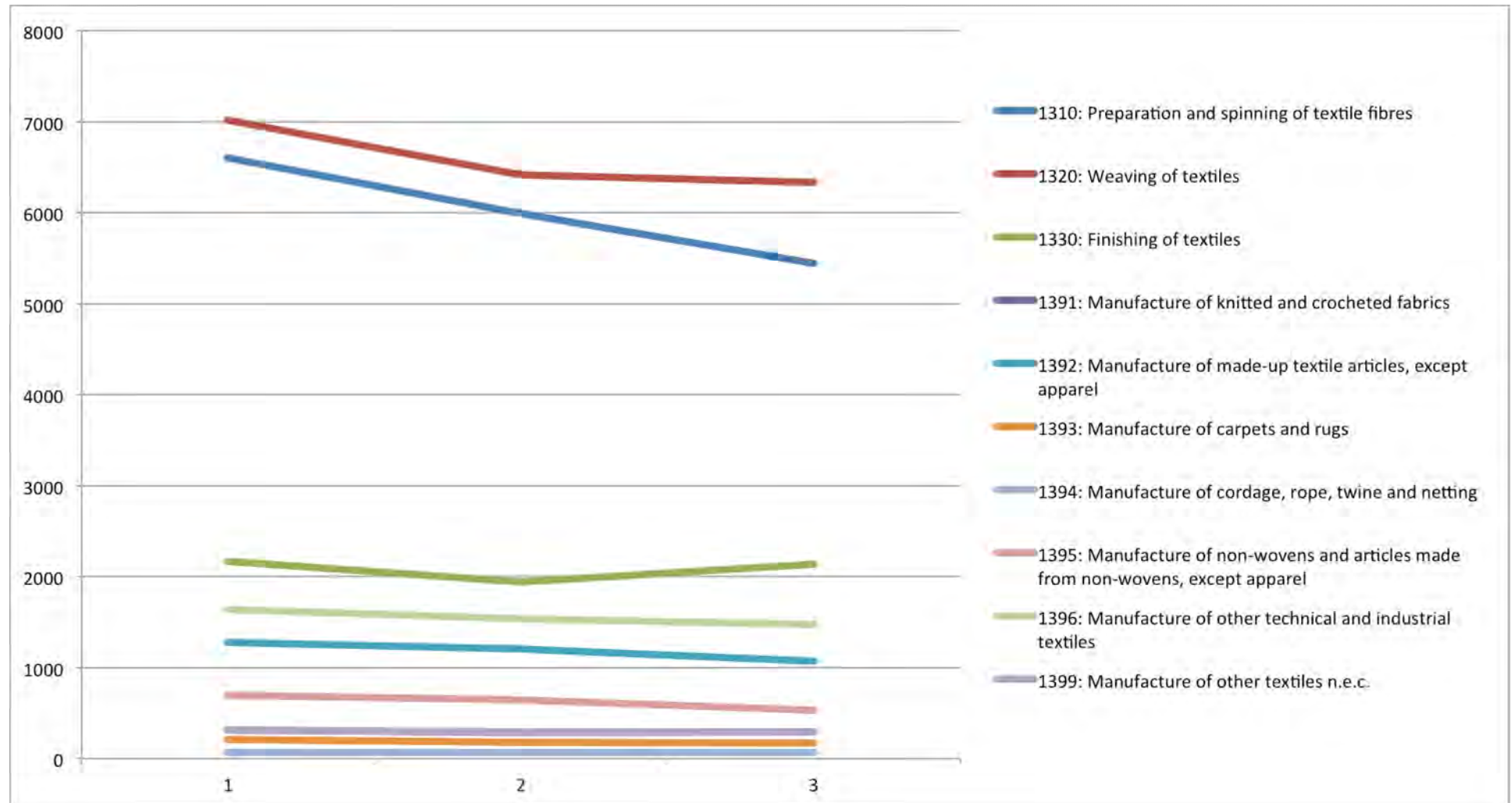
4 – Qualitative mapping

Textile specialisation of Piemonte



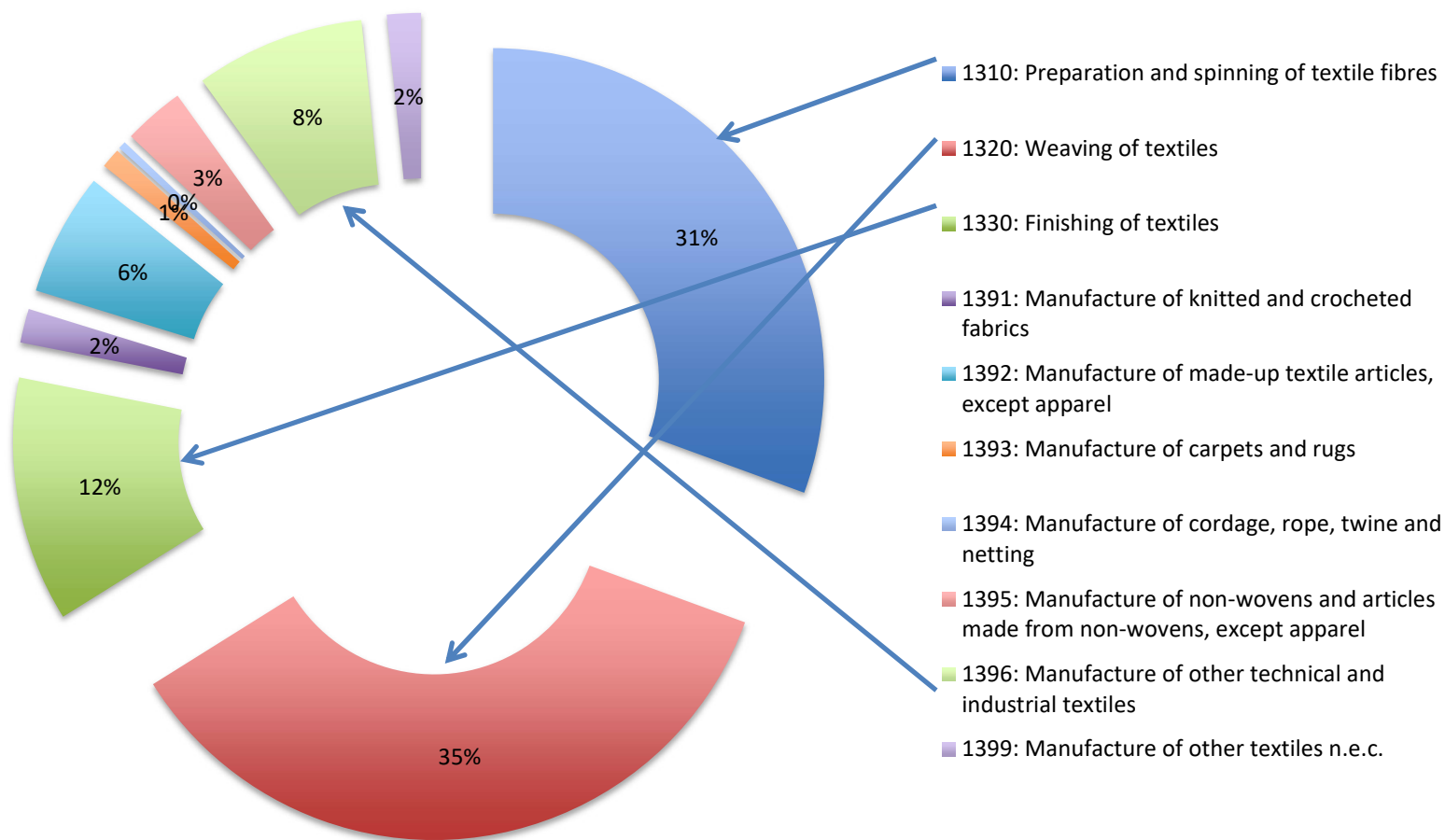


C13. - Manufacture of textile

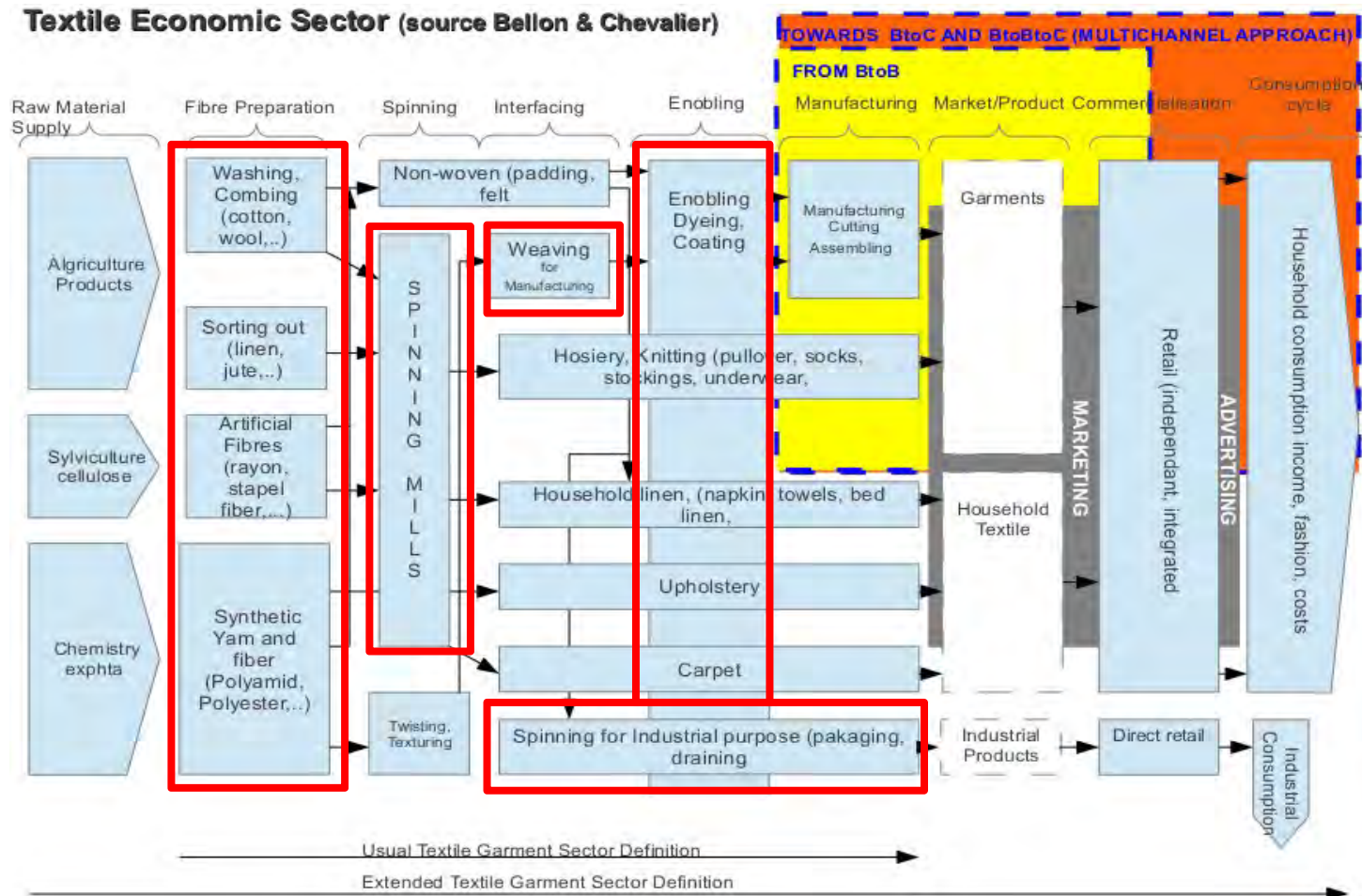


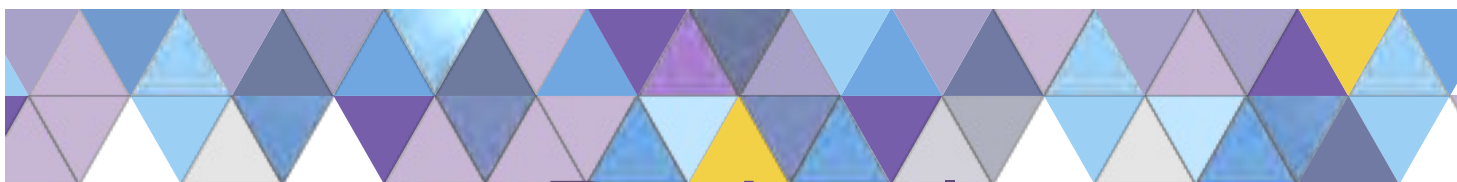


Shares of textile employment



NER Value chain





Regional workshops/company interviews

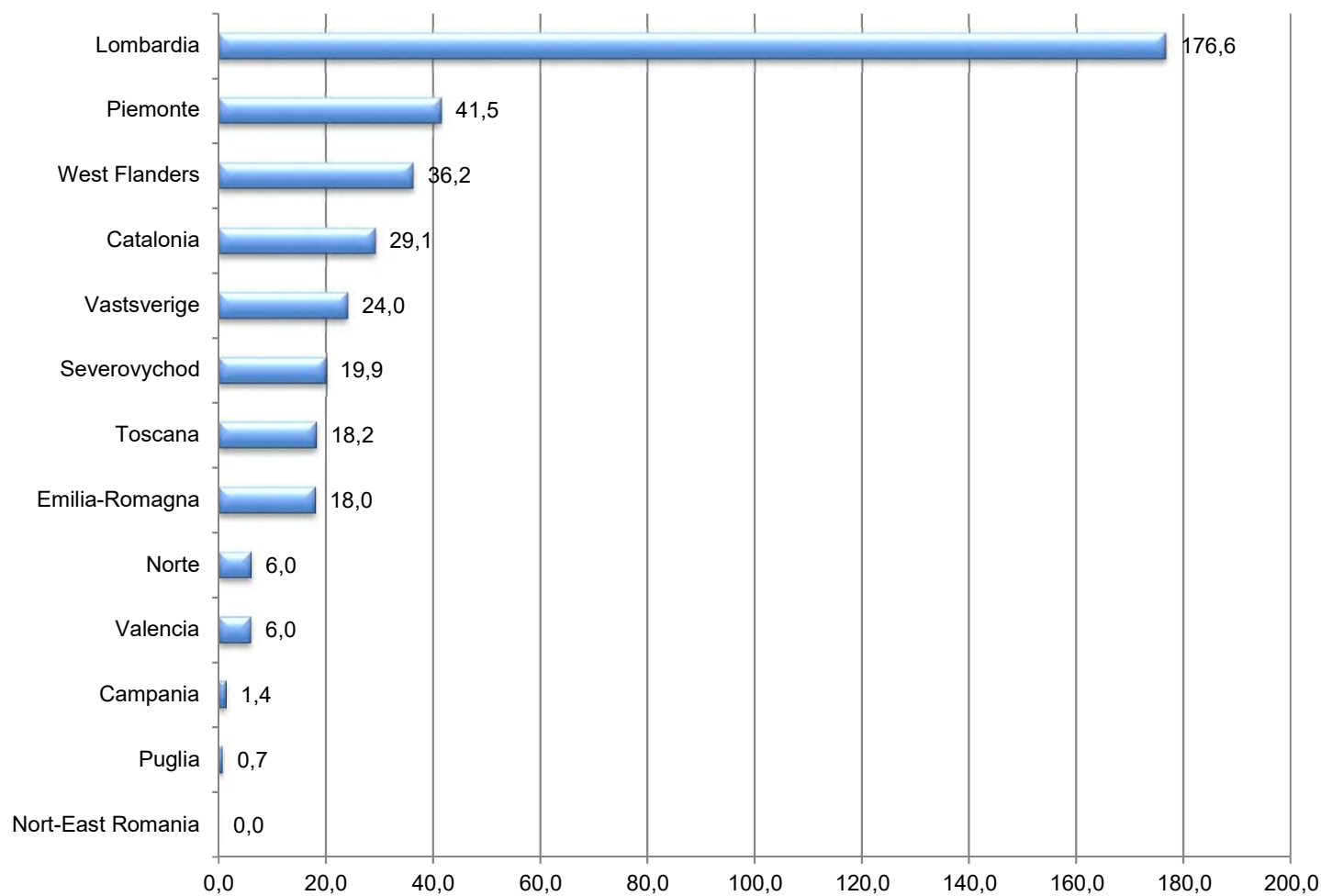
Date	Region	Event
19-20.12.2016	North-East Romania	Company interviews
22.12.2016	Valencia	Online workshop
3.02.2017	Valencia	Workshop on project ideas
13.02.2017	Norte	Workshop on project ideas
3.04.2017	North-East Romania	Workshop on project ideas
10.04.2017	Emilia-Romagna	Workshop on project ideas
11.04.2017	Piemonte	Workshop on project ideas
19-21.04.2017	West Sweden	Company interviews
24-25.04.2017	Catalonia	Workshop on project ideas



5 – Scientific profiling

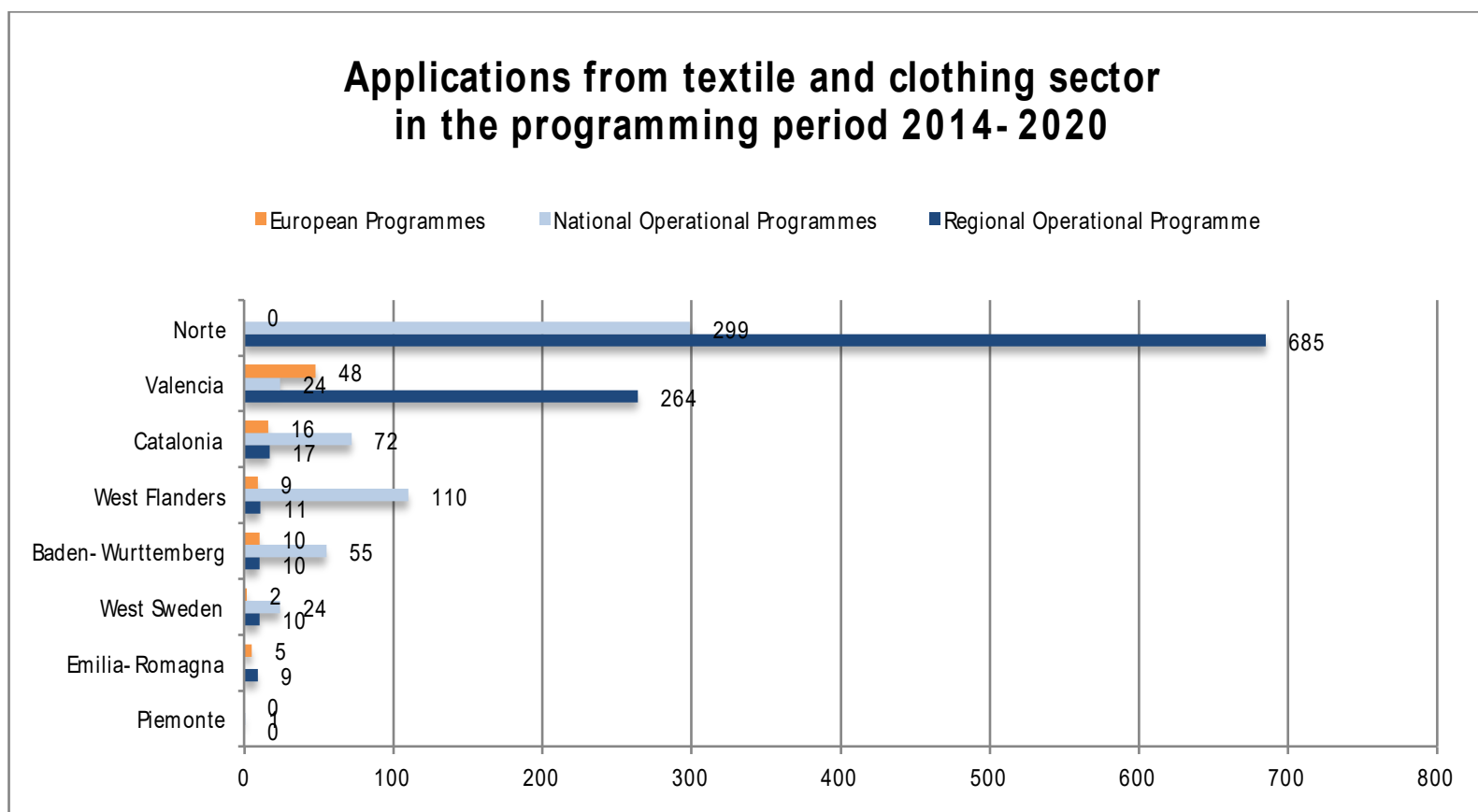
Patenting activity

Patents - general textiles
2010-2012





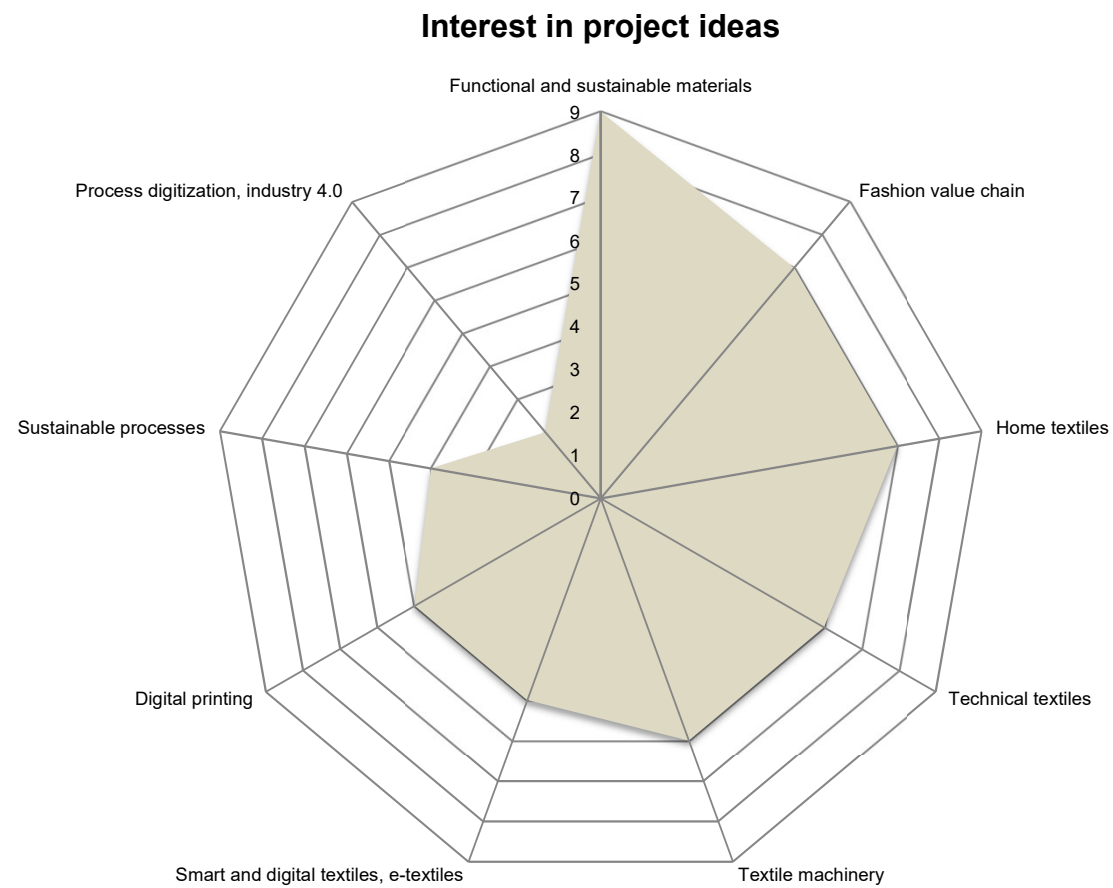
Activity of textile companies in projects





6 – Exchange of ideas

Project ideas





Project ideas

**Functional and
sustainable
materials**



Baden-Württemberg, Campania,
Catalonia, Emilia-Romagna, Hradec
Kralove, Norte, North East Romania
Valencia, West Sweden,

**Sustainable
processes/produc
tion methods**

Catalonia, Hradec Kralove,
North East Romania,
Valencia



**Digital and
flexible textile
machinery and
technology**



Baden-Württemberg,
Catalonia, Emilia-
Romagna, Piemonte,
Valencia, West Flanders



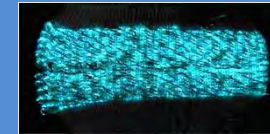
Project ideas

**Smart textiles
and wearables**



Baden-Württemberg,
Campania, Catalonia,
Emilia-Romagna
West Flanders

Technical textiles



Baden-Württemberg,
Catalonia, Hradec Kralove,
Norte, Piemonte, Valencia,
West Flanders

**Fashion, textile
and home textile
value chain**



Campania, Catalonia,
Emilia-Romagna,
Lombardia, Norte, North
East Romania, Piemonte



Functional and sustainable materials

bio-refinery concepts utilising European biomass or waste for textile fibres
multifunctional textile surfaces and related processing technologies
novel 1,2 and 3-dimensional fibre-based structures
high performance fibres and textile materials
high-tech textile recycling for circular economy concepts
greater use of EU-origin natural fibres



Sustainable processes/ production methods

new manufacturing technologies for efficient realisation of complex textile and composite structures

sustainable textile chemistry

novel flexible process technologies to save water, energy and chemicals



Digital and flexible textile machinery and technology

digitisation and flexibilisation of production processes and factories incl. dig. printing

smart textile machinery

flexible machinery and software solutions for faster time to market and smaller orders



Smart textiles and wearables

e-textiles for smart structures, functional interiors or smart wearable systems

functional interiors or smart wearable systems

textile-based functional and smart products for health, sports and pers. protection



Technical textiles

textile solutions for safe and energy efficient buildings and smart interiors

other technical end markets

textile solutions to resource and protect growing global population

textile solutions for light-weight, clean and safe transport systems



Fashion, textile and home textile value chain

multifunctional textile surfaces and related processing technologies

optimization of value chain operation in textile and fashion and new business models

personalised fashion and functional wear products

digitisation of full textile value chain

virtual modelling and design of fibre and textile-based materials and products

new digitally-enabled business models incl. system solutions - product + service



Roadmap

- The finalisation of qualitative mapping in all the interested regions,
- Final choice of most promising project ideas,
- International matchmaking of stakeholders,
- Deeper analyses concerning chosen project topics,
- Financial mapping of available instruments (including ROPs),
- Deciding on the governance structure for the partnership and separate projects (if more are identified),
- Final project definitions and agreement of regional authorities.



Matchmaking events – 3 questions

- Question of format: B2B + Project meetings
- Question of date and location: West Sweden/Emilia Romagna/May-July
- Question of finance: who pays the costs

The methodology still needs to be developed



Thank you for your
attention

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