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Topics and Structures of Textile Research Institutes in Europe

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Saxon Textile Research Institute
Chemnitz - Germany

European Textile Research Area



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European Technology
Platform for the Future of
Textiles and Clothing

European Network of Textile
Research Organizations



Associations of
Universities of Textiles





CROSSTEXNET

CROSSTEXNET PARTNERS



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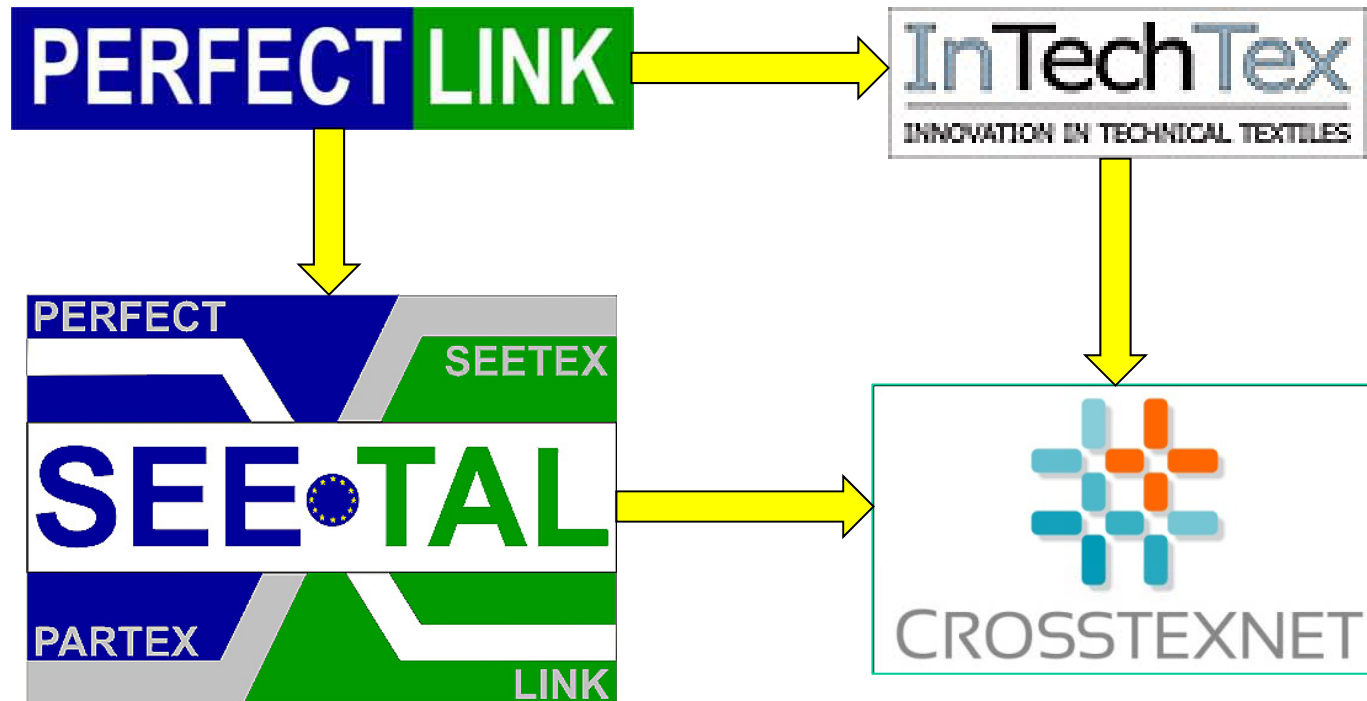
- France : 3 regions
 - Nord-Pas-de-Calais Regional Council - Leader of the project
 - Alsace Regional Council
 - OSEO
- Italy : 4 regions
 - Piedmont Region
 - Tuscany Region
 - Lombardy Region
 - Veneto Region
- Spain : 1 region
 - Valencia Region
- Sweden : 1 region
 - Vastra Gotaland Region
- Belgium : 1 region
 - Flanders Region
- Netherlands : 1 region
 - East Netherlands Region
- Germany : 2 regions
 - Saxony Region
 - North Rhine-Westphalia
- Czech republic : 1 region
 - Hradec Kralove region
- Slovenia : all the country
- Turkey : all the country
- Romania : all the country



Database of Research/Testing and Certifying Institutions



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Creation and updating a
Database of Research/ Testing and Certifying Institutions
with reference to Textiles and Clothing (RTC/RTO)

RTO-database Basic entry



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- 1.1 National name of the institute:
- 1.2 English name of the institute:
- 1.3 Country:
- 1.4 Region:
- 1.5 Address:
- 1.6 Phone:
- 1.7 Fax:
- 1.8 Homepage:
- 1.9 E-mail address general
- 1.10 Contact person:
- 1.11 E-mail address contact person:
- 1.12 Description/ position of contact person:
- 1.13 Total number of employees:
- 1.14 Number of employees in the textile/clothing area
- 1.15 Number of researcher in the textile/clothing area
- 1.16 Profile/Short description of activities (max 1000 char):
- 1.17 Equipment of European excellence (max 1000 char):

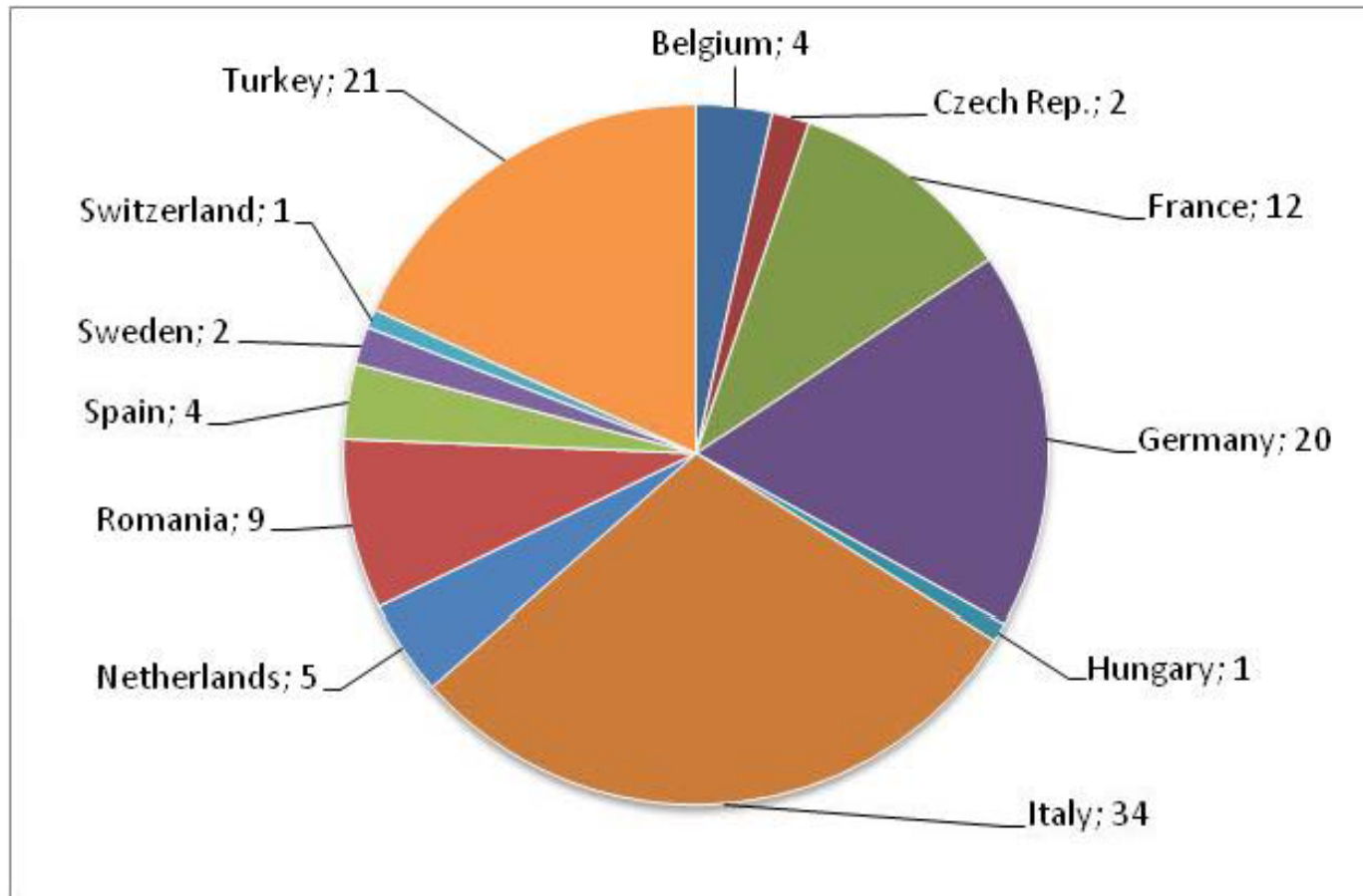


new

RTO-database Basic statistic



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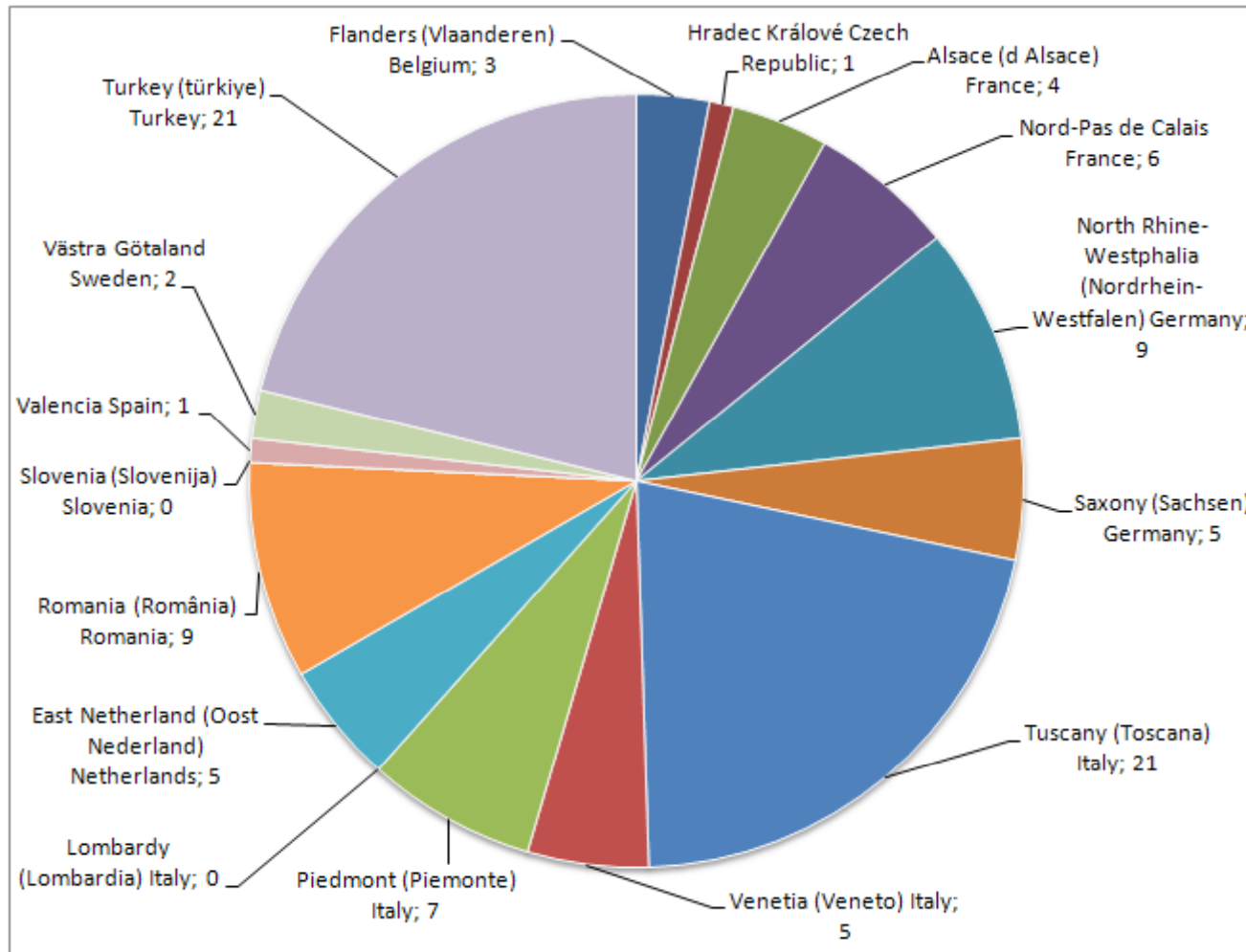


115 questionnaires / feedbacks (187)

RTO-database Basic statistic



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RTO-database Basic statistic



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region	country	number	rel.
Flanders (Vlaanderen)	Belgium	3	3,0%
Hradec Králové	Czech Republic	1	1,0%
Alsace (d Alsace)	France	4	4,0%
Nord-Pas de Calais	France	6	6,1%
North Rhine-Westphalia (Nordrhein-Westfalen)	Germany	9	9,1%
Saxony (Sachsen)	Germany	5	5,1%
Tuscany (Toscana)	Italy	21	21,2%
Venetia (Veneto)	Italy	5	5,1%
Piedmont (Piemonte)	Italy	7	7,1%
Lombardy (Lombardia)	Italy	0	0,0%
East Netherland (Oost Nederland)	Netherlands	5	5,1%
Romania (România)	Romania	9	9,1%
Slovenia (Slovenija)	Slovenia	0	0,0%
Valencia	Spain	1	1,0%
Västra Götaland	Sweden	2	2,0%
Turkey (türkiye)	Turkey	21	21,2%
CROSSTEXNET total			
	regions	99	86,09%
	countries	115	100%

CROSSTEXNET

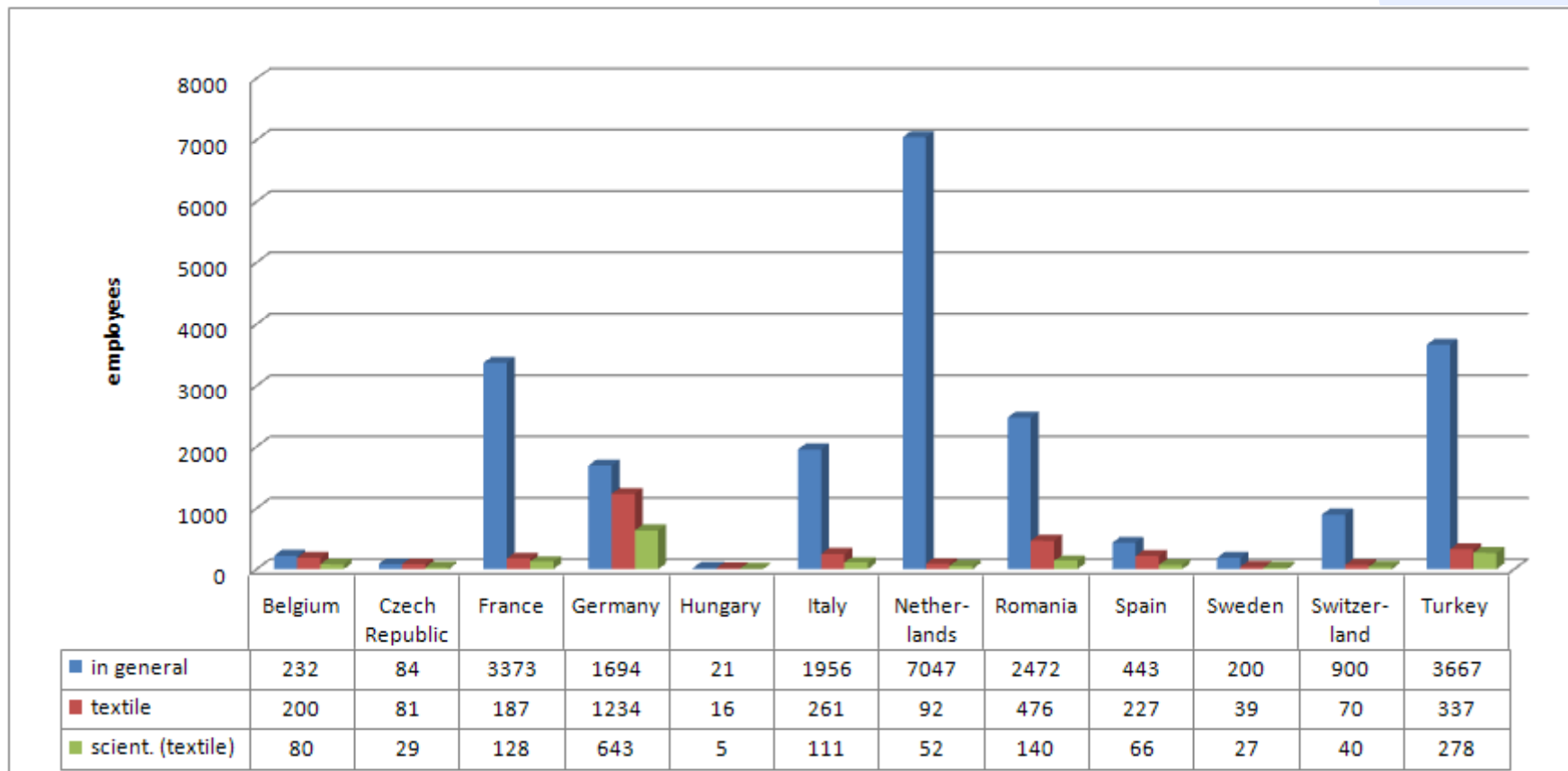
RTO-database Basic statistic



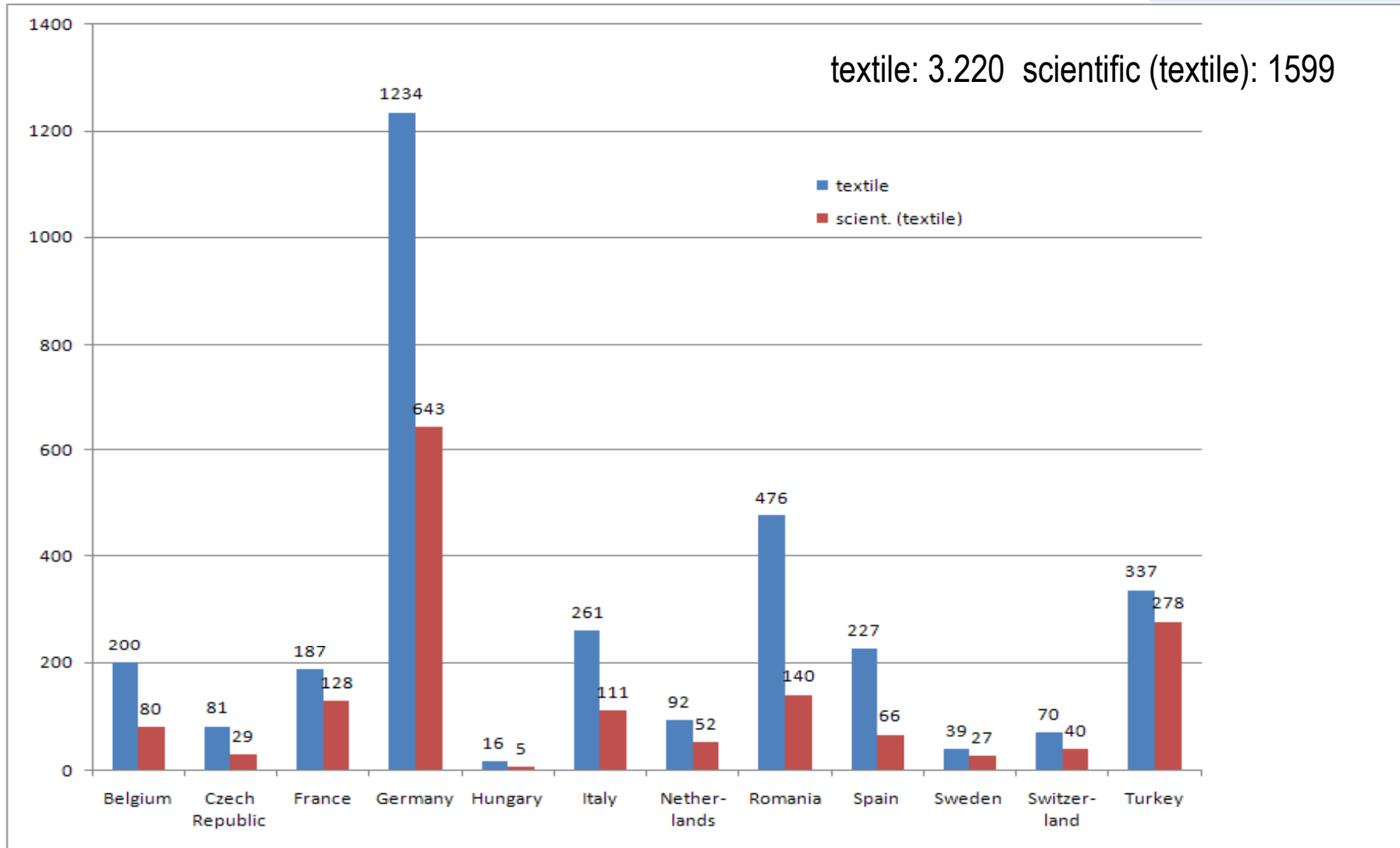
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Employees in RTO

In general: 22.089 textile: 3.220 scientific (textile): 1599



RTO-database Basic statistic



RTO-database–Classification of the Institutes-Research



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- 10 Fibres
- 11 Yarns/Twisted yarns
- 12 Woven fabrics
- 13 Knitted fabrics
- 14 Other textile fabrics
 - 141 Nonwovens
 - 142 Carpets/Rugs
 - 143 Ropes/Belts/Narrow fabrics
 - 144 Technical Textiles/Geotextiles
 - 145 Home textiles/Household textiles
 - 146 Tissues and texture products
 - 147 Others
- 15 Textile finishing
- 16 Chemicals for textile and leather processing
- 17 Clothing
 - 171 Workwear/Protective clothing
 - 172 Outerwear
 - 173 Underwear
 - 174 Other clothing
- 18 Raw Hides & Skins/ Quality improvement
- 19 Leather/ Tanning

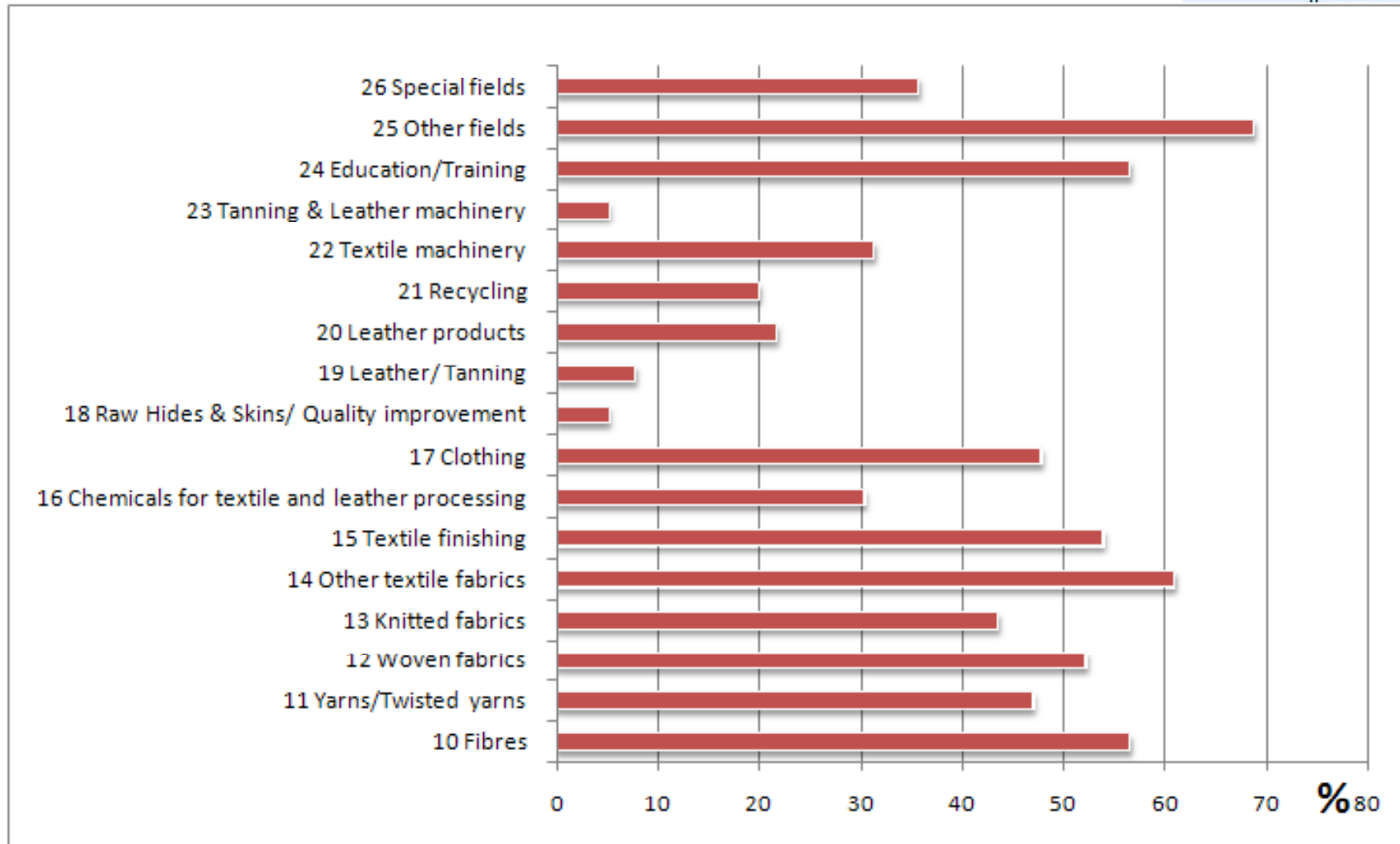
RTO-database–Classification of the Institutes-Research



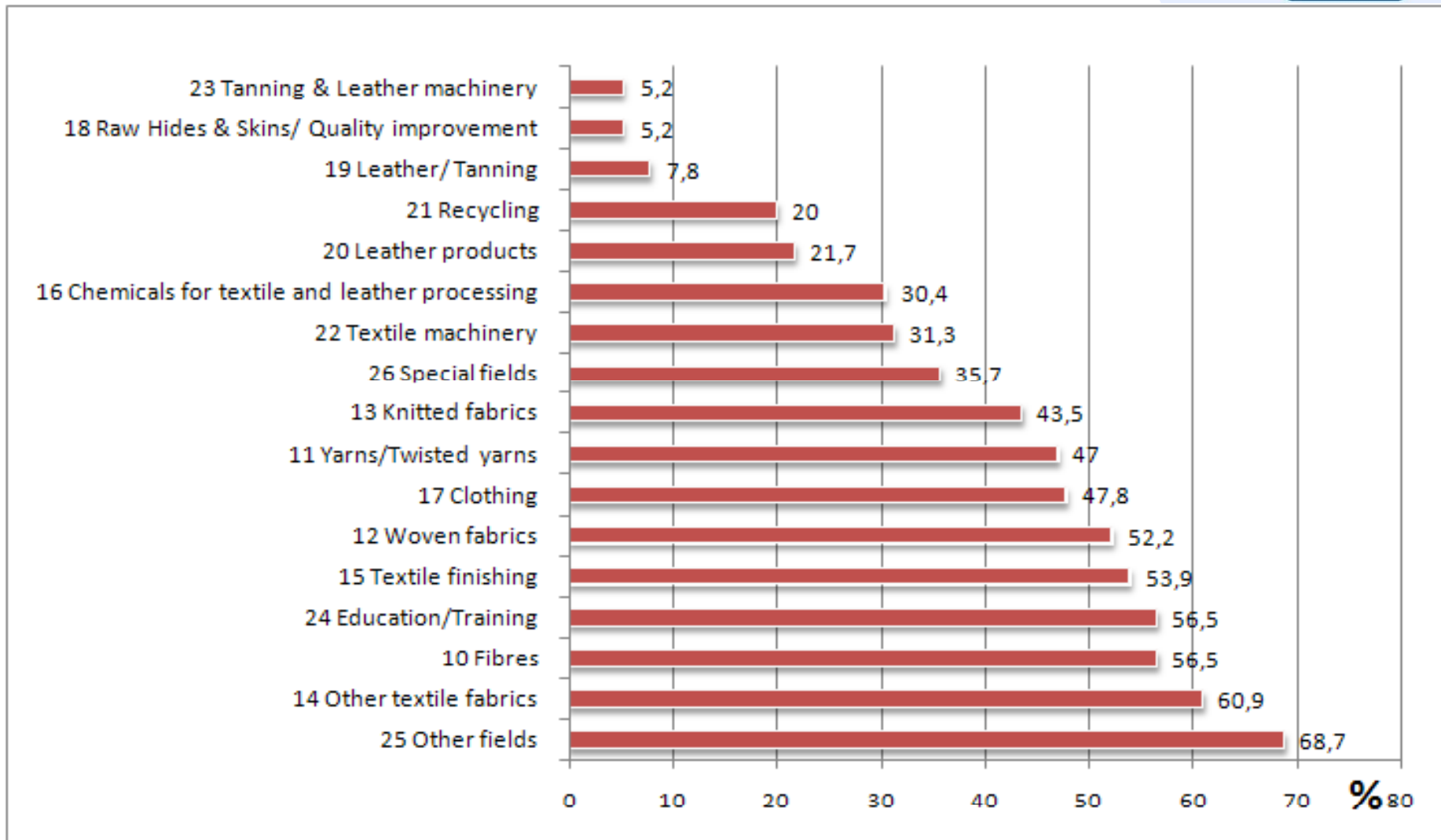
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- 20 Leather products
 - 201 Leather
 - 202 Footwear
 - 203 Leather clothing
 - 204 Leather goods
 - 205 Leather furniture
 - 206 Other leather products
- 21 Recycling
 - 211 Recycling of rubber waste
- 22 Textile machinery
- 23 Tanning & Leather machinery
- 24 Education/Training
- 25 Other fields
 - 252 Consulting services/Technical assistance
 - 253 Databases
 - 255 Machinery of rubber industry
 - 256 Biopolymers
 - 257 Adhesives
 - 258 Quality Environmental System Management
 - 259 Standardization
- 26 Special fields
 - 261 Auxiliary products, adhesives, collagen biomaterials, semifinished products
 - 262 Wastewaters
 - 263 Rubber goods

RTO-database–Classification of the Institutes-Research



RTO-database–Classification of the Institutes-Research

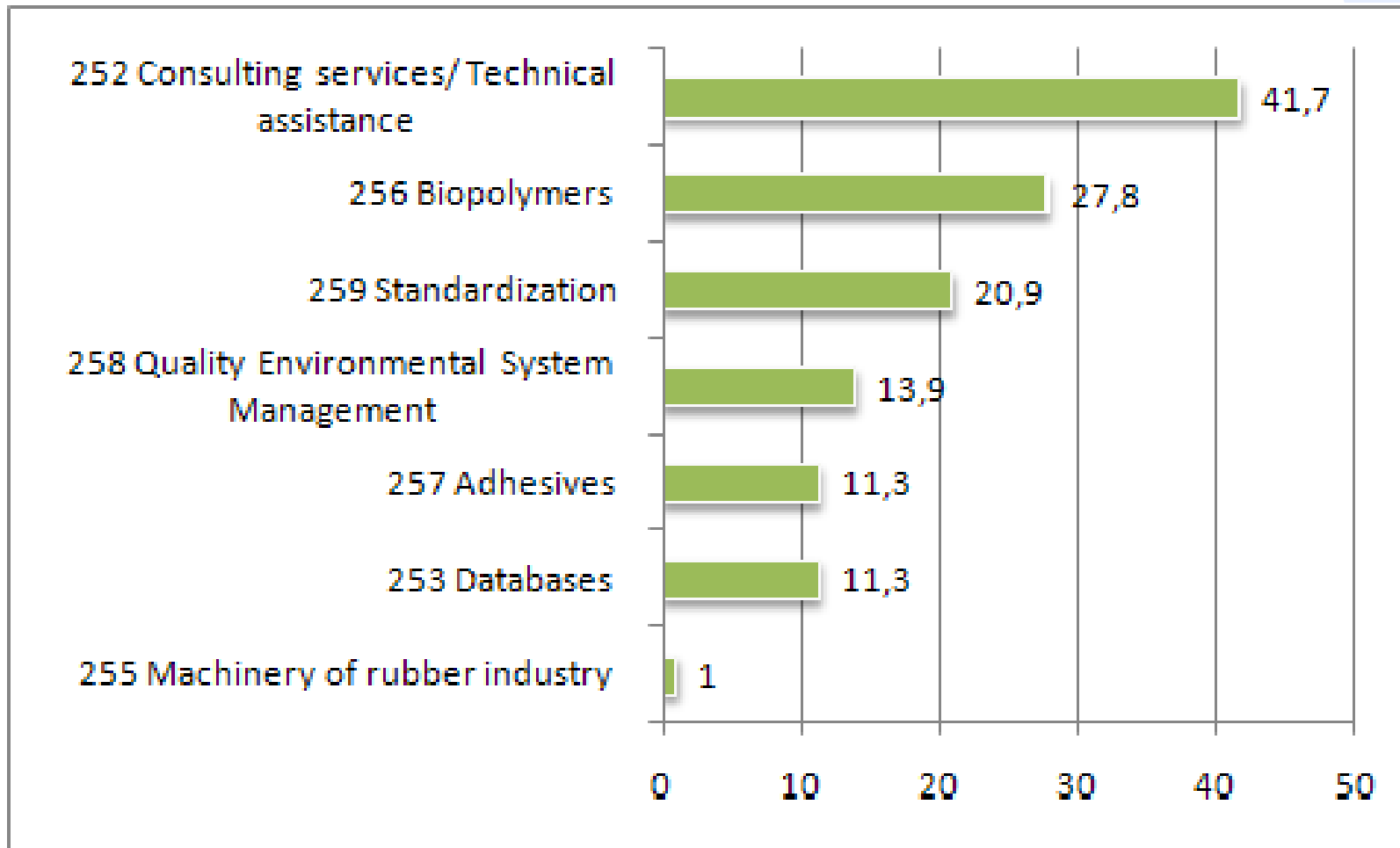


RTO-database–Classification of the Institutes-Research



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25 Other fields: 68,7 %

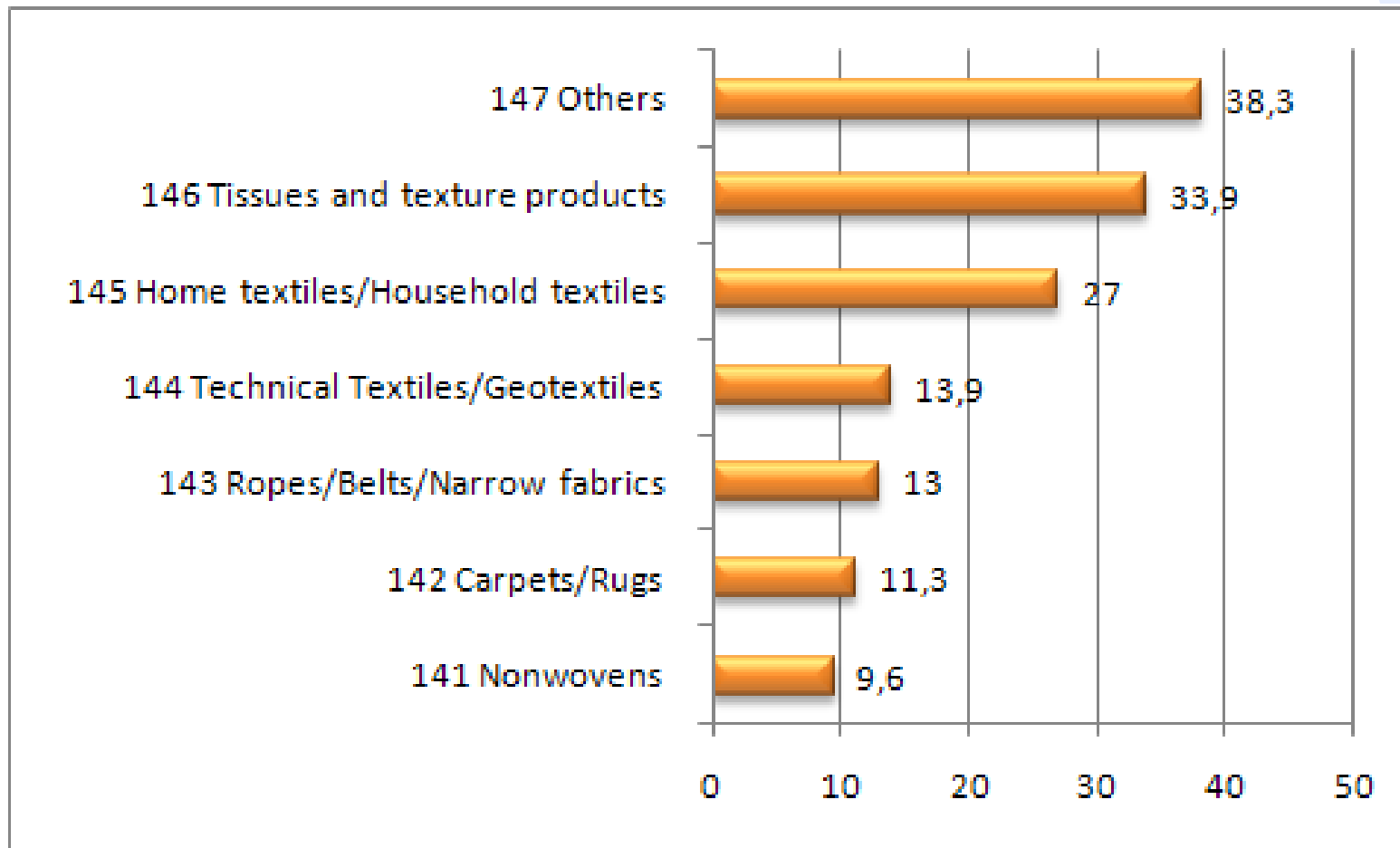


RTO-database–Classification of the Institutes-Research



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14 Other textile fabrics: 60,9 %



RTO-database–Classification of the Institutes-Research



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17 Clothing: 47,8 %

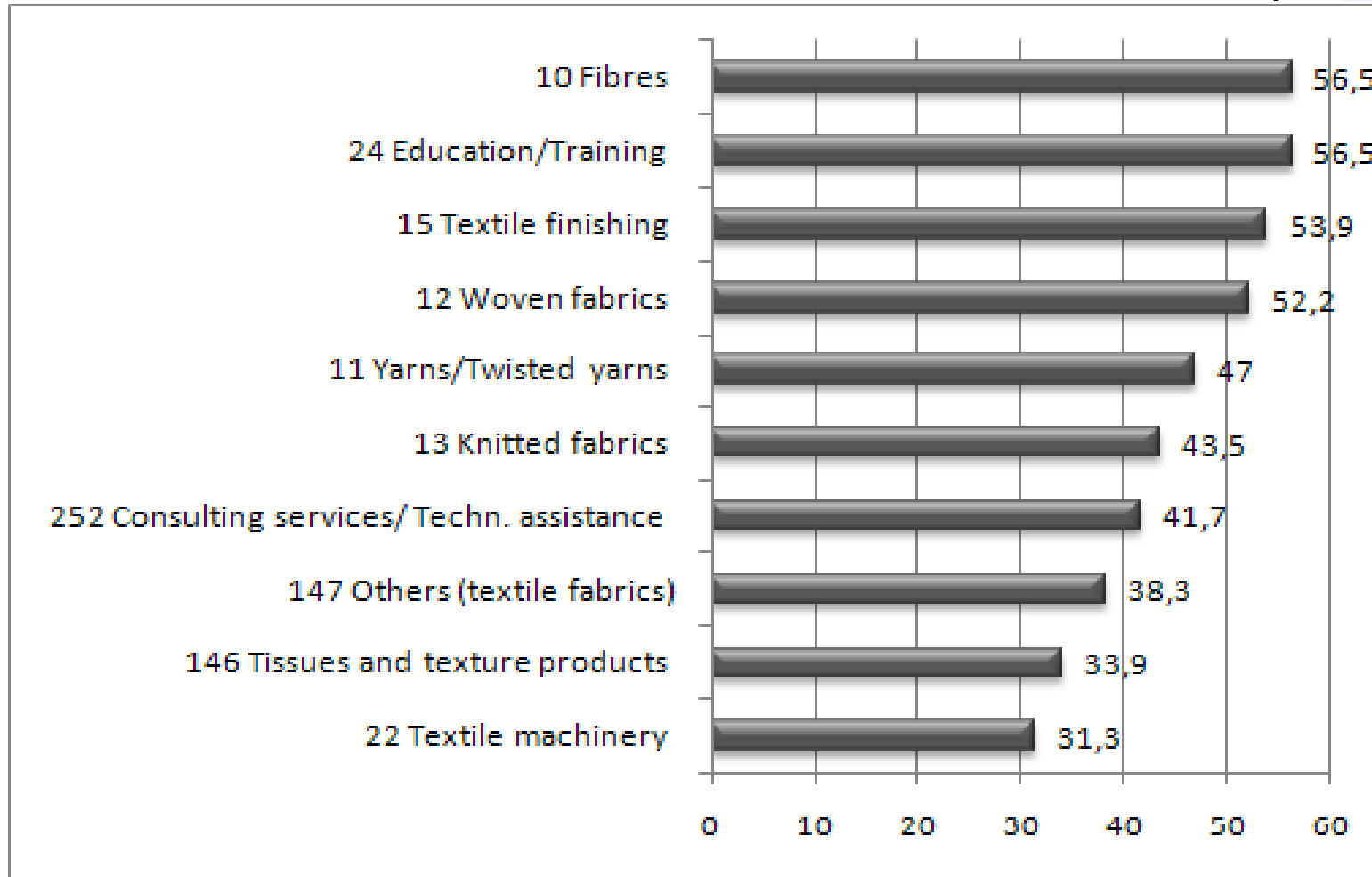


RTO-database–Classification of the Institutes-Research



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Top 10



RTO-database–Classification of the Institutes-Products



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Product categories Testing/ Certification

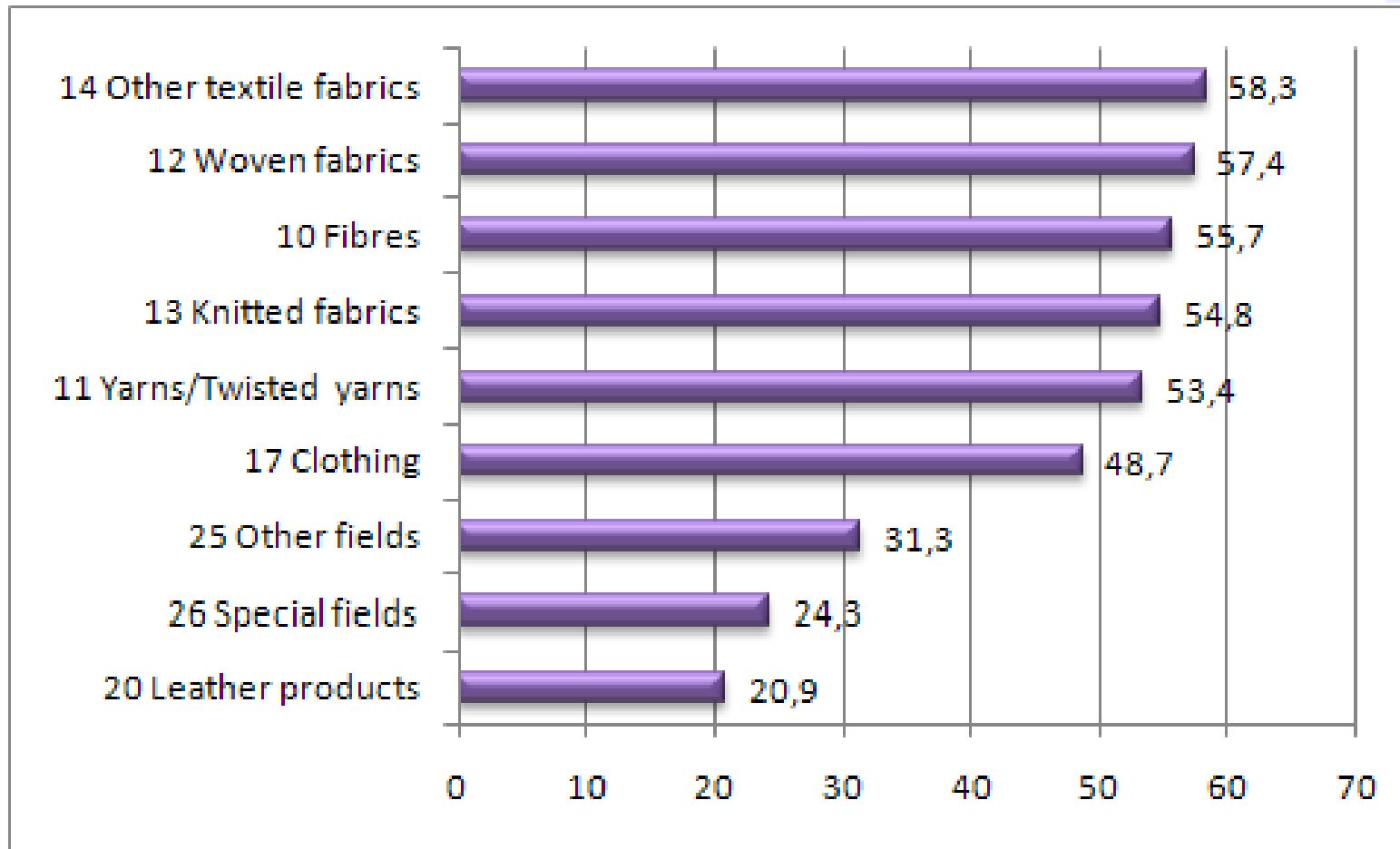
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 - 145 Home textiles/Household textiles
 - 146 Tissues and texture products
 - 147 Others
- 17 Clothing
 - 171 Workwear/Protective clothing
 - 172 Outerwear
 - 173 Underwear
 - 174 Other clothing
- 20 Leather products
 - 201 Leather
 - 202 Footwear
 - 203 Leather clothing
 - 204 Leather goods
 - 205 Leather furniture
 - 206 Other leather products
- 25 Other fields
 - 251 Furniture
 - 254 Components for shoe production
 - 258 Quality Environmental System Management
 - 259 Standardization
- 26 Special fields
 - 261 Auxiliary products, adhesives, collagen biomaterials, semifinished products
 - 262 Wastewaters
 - 263 Rubber goods

RTO-database–Classification of the Institutes-Products



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Main product categories Testing/ Certification

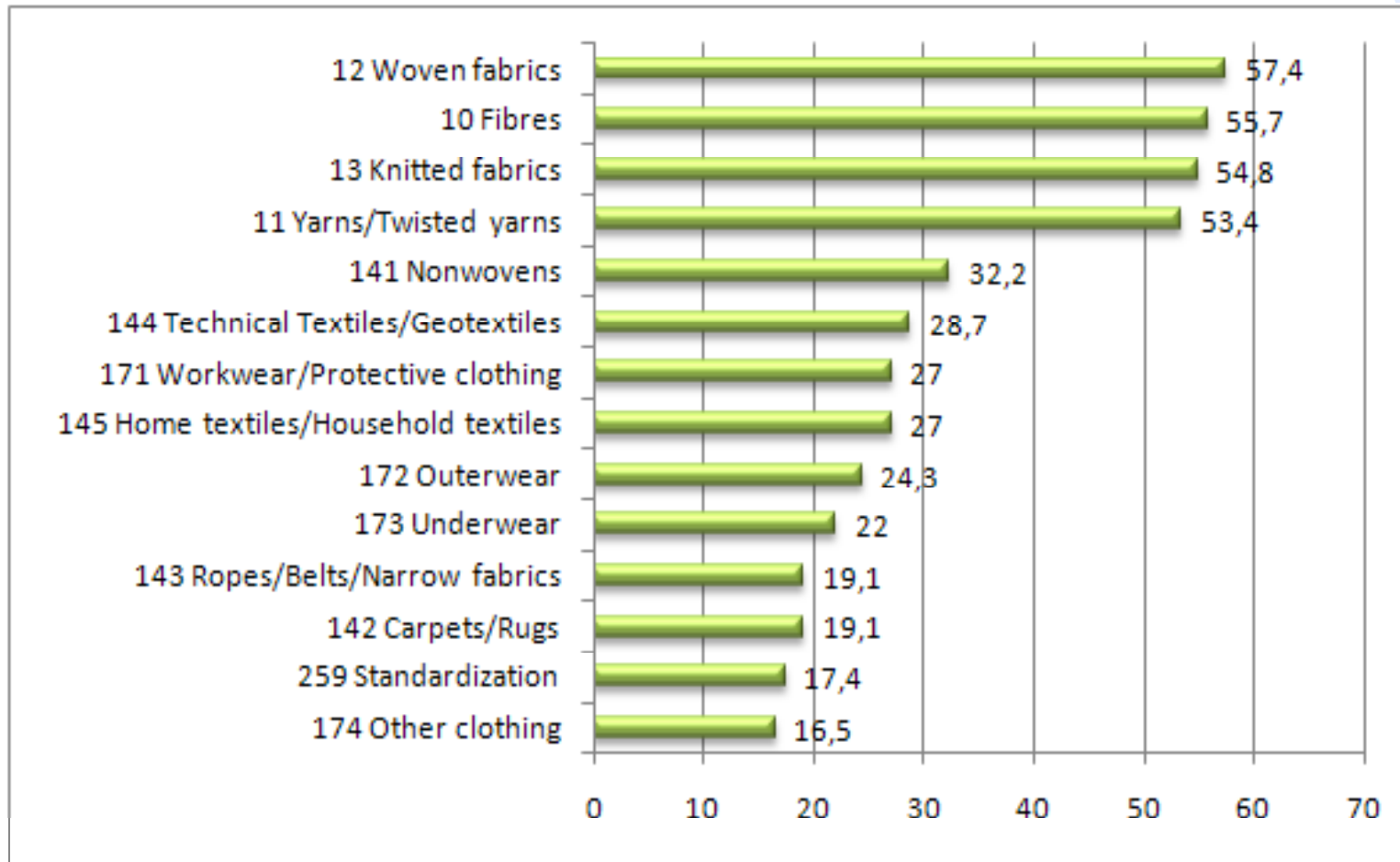


RTO-database–Classification of the Institutes-Products



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Product categories Testing/ Certification

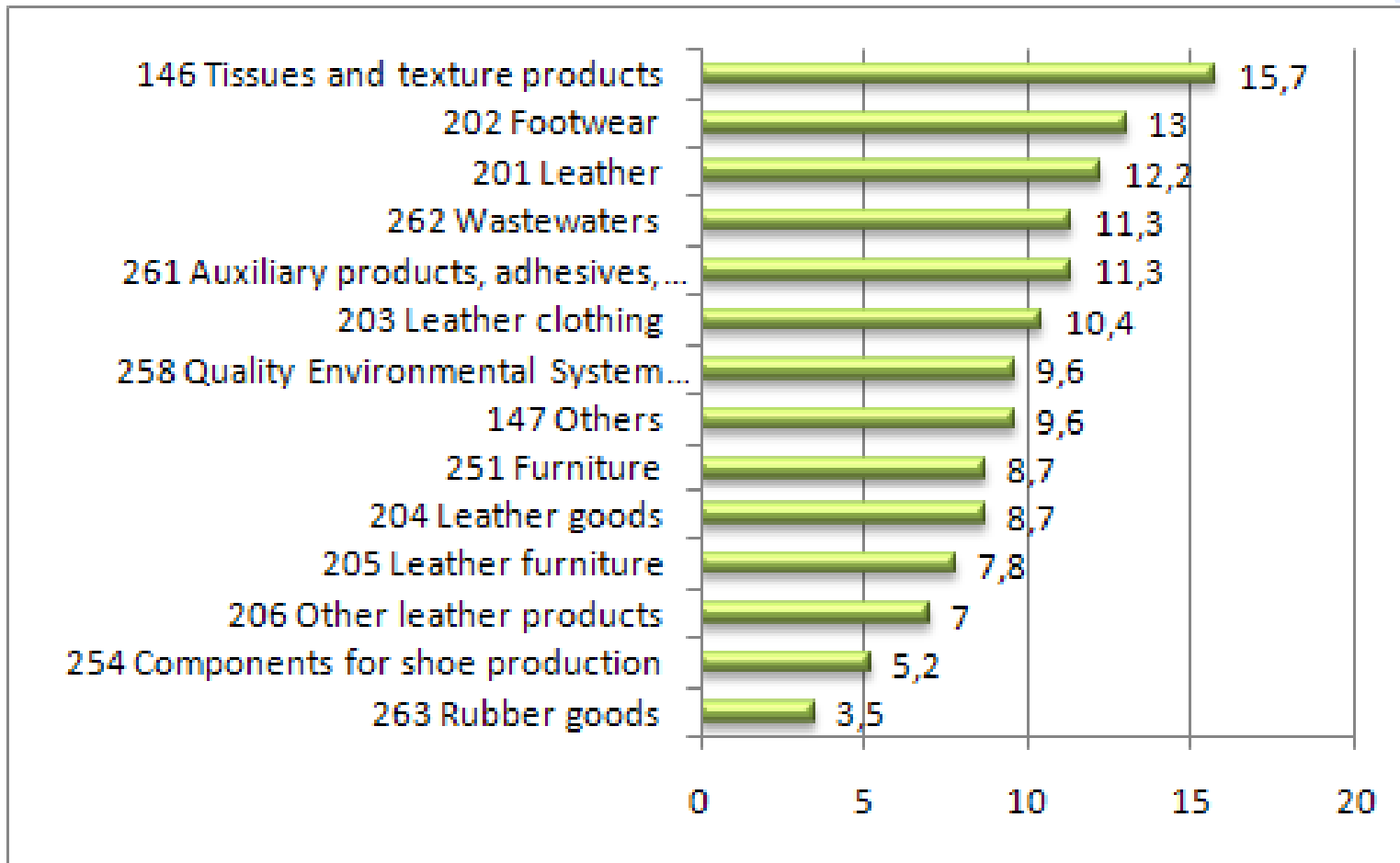


RTO-database–Classification of the Institutes-Products



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Product categories Testing/ Certification



RTO-database–Classification of the Institutes-Methods



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Testing methods for Textiles, Clothing, Leather and Leather Goods

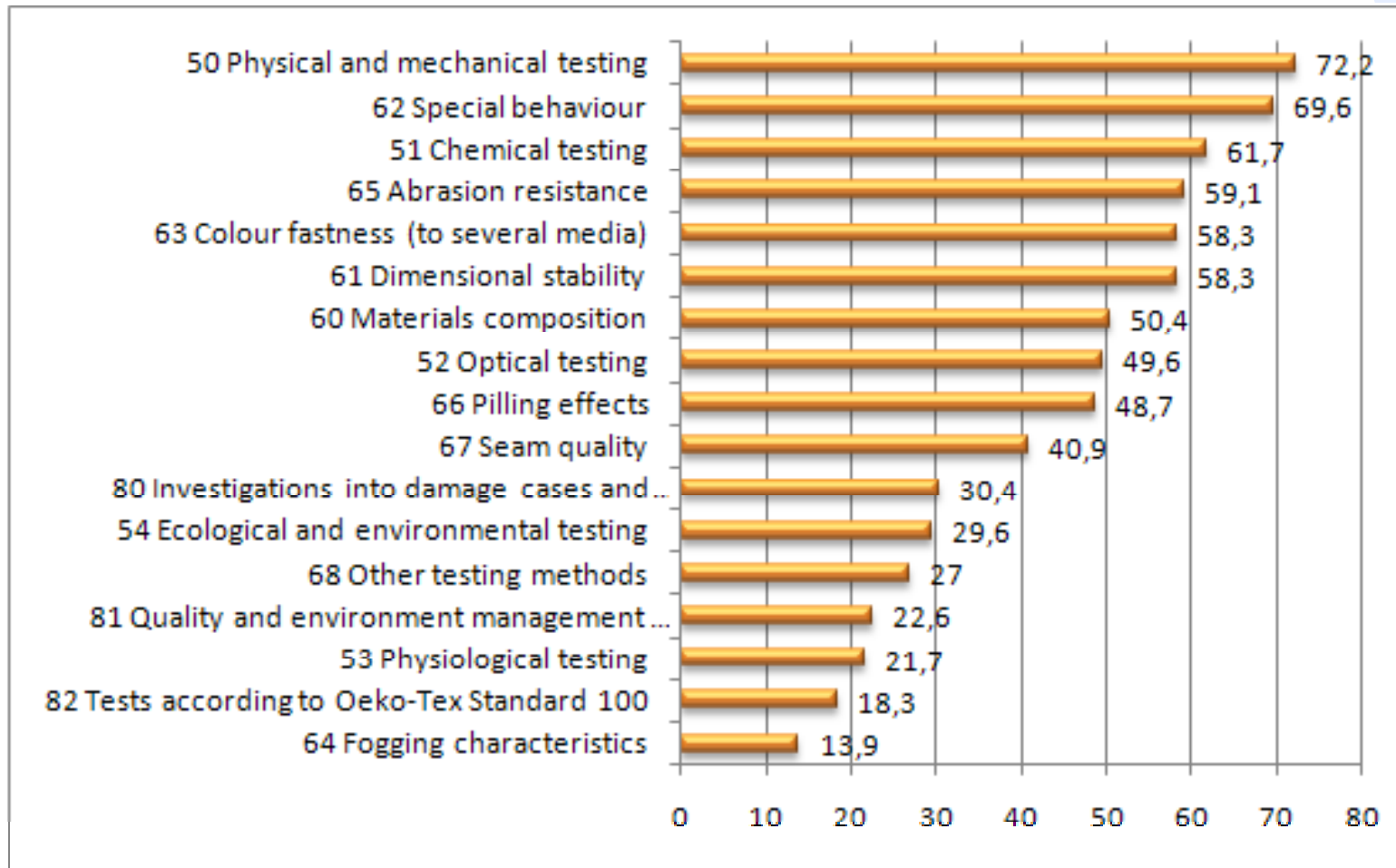
- 50 Physical and mechanical testing
- 51 Chemical testing
- 52 Optical testing
- 53 Physiological testing
- 54 Ecological and environmental testing
- 60 Materials composition
- 61 Dimensional stability
- 62 Special behaviour
 - 621 Wear behaviour
 - 622 Protection behaviour
 - 623 Electrostatic behaviour
 - 624 Shrinking behaviour
 - 625 Care behaviour
 - 626 Burning/Ignitability behaviour
 - 627 Ageing behaviour
 - 628 Penetration behaviour
- 63 Colour fastness (to several media)
- 64 Fogging characteristics
- 65 Abrasion resistance
- 66 Pilling effects
- 67 Seam quality
- 68 Other testing methods
 - 681 Hygienic-ecological testing
- 80 Investigations into damage cases and quality claims
- 81 Quality and environment management systems
- 82 Tests according to Oeko-Tex Standard 100

RTO-database–Classification of the Institutes-Methods



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Testing methods for Textiles, Clothing, Leather and Leather Goods





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Thank you for your attention!



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