

# Research Centers of excellence in the textile sector Action Plan AITEX

www.interregeurope.eu/reset







# **Action Plan - AITEX**

PROJECT NUMBER	RESET - PGI00016
PROJECT DURATION	01 APRIL 2016 – 31 MARCH 2021
DISSEMINATION LEVEL	Public
PARTNER NUMBER & NAME	PP5 AITEX - Comunidad Valenciana (ES)
REGION	
VERSION	Final





# **Content**

1.	General Introduction	4
1.1	Aim of the RESET project	2
1.2	Objective of the Action Plan	⊿
1.3	Regional Analysis of partners regions	5
1.3.1	1 Valencian Region Summary	5
1.3.2		
2.	Action Plan	6
2.1	PART I – GENERAL INFORMATION	6
2.2	PART II – POLICY CONTEXT	7
2.3	PART III – DETAILS OF THE ACTION ENVISAGED	8
3.	Summary	17







## 1. General Introduction

# 1.1 Aim of the RESET project

European textile and clothing sector is one of the most relevant economical source for the EU, accounting for 4% of the total added value of the manufacturing sector, with 173.000 companies and a turnover of 165 billion €. Its competitiveness is linked to increased investments in innovation and research both public and private which are key drivers for European companies to lead the market in the coming years. Due to its enormous environmental impact, sustainability and environment-friendly production is emerging as a new driver of textile process, product innovation and technology development. The overall objective of the project is to generate a policy change in the implementation of regional policies and programmes of the Structural Funds related to the strengthening of research, technological development and innovation to assure the sustainability of the T&C sector in the partner regions. It will be achieved through policy learning and capacity building activities on public policies supporting innovative, green and sustainable T&C production and processes. The learning potential embedded in interregional exchange will result in the uptake of new Good Practices and projects by the partner regions enabling to support excellence in R&D, to promote investments by enterprises, to develop innovative skills of T&C stakeholders, and in a deeper integration between research and innovation policies for the sector's sustainability. Sustainability driven research and innovation will concern primarily the production processes and product development and addresses six key themes:

- Recycling in textile and waste disposal
- Water consumption and energy saving, sustainable company organisations
- New sustainable chemistry, including reduction of chemical substances
- Smart textiles and new ways of production
- Eco-creativity, natural fibres, short value chains
- New materials and new applications

# 1.2 Objective of the Action Plan

An action plan in general is a sequence of steps that must be taken or activities that must be performed successfully for a strategy to succeed. An action plan has three major elements:

- (1) Specific tasks: what will be done and by whom.
- (2) Time horizon: when will it be done.
- (3) Resource allocation: what specific funds are available for specific activities.

Produced by each region, the action plan of RESET project is a document providing details on how the lessons learnt during the project and from the cooperation with other partners and regions will be exploited in order to improve the policy instrument tackled within that region. It specifies the nature of the actions to be implemented, their timeframe, the players involved, occurring costs and potential funding sources.







# 1.3 Regional Analysis of partners regions

# 1.3.1 Valencian Region Summary

The Valencian Region has a surface of 23.255 km² representing the 4.6% of Spain with a population of 5.117.190 (10.8% of Spanish total population) and generates 93.155,8 million of € (9.5% of Spain) data from 2014 (source INE). The Valencian Region has an industry based economy which represent the 9.6% of Spain. The companies allocated in Spain are divided as follows: small company represents the 83.77% (11.52% comparing it with Spain), medium companies represent the 15.8% (15.25% comparing with Spain) and big companies represents 0.44% (9.29% comparing with Spain).

The Valencian Region counts with 14 Institutes with revenues of 122 million € and 7 universities with 125.000 students. The 14 centers have a specialized range of research, technological and innovation advanced services, addressed to business, mainly oriented to SME. They developed more than 1.041 R&D&I projects, have over 6.200 associated companies and 1.700 professionals and researchers.

Main sector and technologies coming from the Valencian Region are: ceramics, building, wood, furniture and related industries, optics, colour and imaging, toys, metalmechanics, plastics, agro-food, textile, biomechanics, footwear, energy, packaging, transport and logistics and computing. Some sectorial strategies are: advanced manufacturing, automotive and mobility industries, food for the future, quality of life, and enabling sectors as smart energy and clean technologies. *Source: Data obtained from IVACE 2015*.

# 1.3.2 Valencian textile sector analysis

Some figures of the market of the T&C Valencian Region in 2016-17: there are 2.303 textile companies, creates 16.314 employments with revenues of 1.865 million of € and an added value of 672 million €. It is also important to mention that the exportation of this sector is around 765 million € and importation of 842 million €.

Trends: of the Valencian Region and expertise of T&C companies

- Protective Clothing: such as boots, gloves, helmets, protective jackets and other products with applications in different risk environments are researched by the institute to improve their properties and to ensure that they meet or exceed legislation and perform their function with ever-greater guarantees.
- Medical and Hospital Textiles: there is a wide range of textile-based health care products available on the market and there products must comply with the legislation which regulates health care products; we perform research into reusable or single-use surgical textiles such as gowns, cloths and clean-air suits that do not produce dust and prevent the passage of fluids that have been contaminated by microorganisms. Other groups of textiles regulated are gauzes, bandages, dressings, plasters, sticking tapes and sutures, with special properties such as acidity/alkalinity, fluorescence, deformability, microbiological control, etc.
- Composites material: biocomposites obtained from raw materials that come from renewable sources. The properties of these composites are in many cases similar to those of products obtained from petroleum derivate resins and traditional supports. Therefore, a gradual substitution for the latter is expected. The development of thermoset resins curing technologies through the use of electromagnetic radiation (MW and UV) came from many successful investigations in recent year. The employment of such technologies







allows to drastically reduce cycle times, lower emissions of volatile organic compounds, and decrease the amount of scrap from composite material parts.

# 2. Action Plan

## 2.1 PART I – GENERAL INFORMATION

Project: RESET – RESEARCH CENTERS OF EXCELLENCE IN THE TEXTILE SECTOR

Partner organization: AITEX

Other partner organisations involved (if relevant): ATEVAL, CONSELLERIA, IVACE

Country: SPAIN

Country (NUTS1) ESTE

Region (NUTS2) COMUNIDAD VALENCIANA

City (NUTS3) ALICANTE/ ALACANT

Contact person: MIRIAM MARTÍNEZ CARBONELL

Email address: 1

Phone number: +34965542200







# 2.2 PART II – POLICY CONTEXT

The Action Plan aims to impact:

- **Example 2** Investment for Growth and Jobs programme
- **European Territorial Cooperation programme**
- **6** Other regional development policy instrument

Name of the policy instrument addressed: ERDF REGIONAL OPERATIONAL PROGRAMME 2014-2020 OF VALENCIAN REGION





## 2.3 PART III – DETAILS OF THE ACTION ENVISAGED

# ACTION 1: MONITOR THE IMPLEMENTATION OF APPROVED PROJECTS WITH EDRF FUNDS

**1. The background** (Please describe the lessons learnt from the project that constitute the basis for the development of the present Action)

### 1.1 Context

Keeping in mind IFEDES stakeholder study developed during Phase 1 with the collaboration of AITEX, the analysis performed in these textile companies from Valencian Region revealed they usually participate in projects dealing with the 6 Themes of RESET project; mainly waste recovery and waste reduction, water consumption, energy reduction and use of new materials and applications thematic.

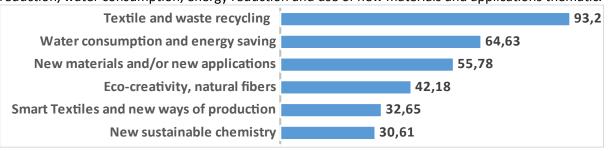


Figure 1: Relation of Themes which Valencian textile companies develop industrial projects. Source: IFEDEs Stakeholder study develop for AITEX during RESET Phase 1 (Data in %)

In addition, Valencian companies also attribute importance to the new sustainable chemistry. Smart textiles and eco-creativity are the less preferent Themes to develop projects.



Figure 2: Ranking of the importance of Themes for Valencian textile companies. Source: IFEDEs Stakeholder study develop for AITEX during RESET Phase 1.







Also coming from the feedback collected in the survey performed by AITEX's stakeholder IFEDES, main limitations of textile Valencian companies to participate in new projects focused on sustainability and innovation are:

- Funding/grants (economic reasons),
- the lack of qualified personnel,
- lack of knowledge in order to be more sustainable and
- economic reasons.

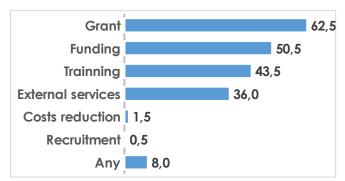


Figure 3: Currently limitations in Valencian textile companies to adopt innovations in sustainability, including development of new projects. Source: IFEDEs Stakeholder study develop for AITEX during RESET Phase 1.

Because of this and in the frame of RESET project and its 6 Themes, AITEX (supported by its stakeholders) has started to push to promote building and submission of industrial projects by Valencian textile companies. Since mid-2017 to mid-2018 6 projects where launched by Valencian textile companies in the frame of RESET Themes and inspired by different RESET good practices.

Taking into account, on the one hand, the expectations of the Valencian Textile companies and their limitations and on the other hand, the work done during phase 1, know-how and expertise gained during the 6 different ILEs performed in RESET, the 59 GPs shared in these events and the interregional exchange learning, 6 projects have been submitted and approved by Spanish National/Regional Authorities inspired or based of a specific regional GP shared by RESET partners.

## 1.2 Relevance to the project

The main outputs and previous actions coming from RESET interregional exchange execution which have inspired the presentation of new projects comes from the following thematic:

- 1. Policy Theme 2: Water consumption and energy savings, sustainable company organization.
- 2. Policy Theme 3: New sustainable chemistry, including reductions of chemical substances.
- 3. Policy Theme 6: New materials and new applications.

## And the following activities:

- Policy learning events organised (thematic seminars and policy brokerages) in:
  - O Vila Nova de Famalicão (Portugal) on January 2017.
  - Bucharest (Romania) on April 2017.
  - o Huddersfield (Britain) on January 2018.
- Good practices identified:
  - GP "Multiplexed Laser Surface Enhancement MLSE"
  - o GP "Detox: from threat for brands to opportunity for labs and manufacturers"
  - GP "Sustainable chemistry method to improve the wash-off process of reactive dyes on cotton"
- Staff exchange events
  - Between TCoE partner and AITEX in UK on June 2018.







## Stakeholder meetings:

- Meeting organised in Valencia on January 2017 in which Jeanologia stakeholder participated.
- Meeting organised in Alcoy on March 2017 in which UPV and COLORCENTER stakeholders participated.
- Meeting organised in Alcoy on September 2017 in which UPV stakeholder participated.
- Meeting organised in Terrasa on March 2018 in which COLORCENTER stakeholder participated.

More information about the relevance of the outcomes of phase 1 RESET execution as well as the link to the projects submitted and approved with ERDF funds have been detailed in point 2.

## **2. Action** (Please list and describe the action to be implemented)

The action 1 to be implemented will be the monitoring of the execution of the 6 launched and approved projects, previously submitted by Valencian textile companies.

Valencian textile companies leading the projects have been supported by AITEX and by RESET project stakeholders depending on the thematic in order to increase their capacities, develop new products or research in new processes.

During the execution of the projects the following activities (or sub-actions) are needed in order to monitor and follow the implementation of the projects:

- 1. Continuous meeting between companies, stakeholders and AITEX.
- 2. Internal reporting to follow-up the activities performed.
- 3. Official reports to the National/regional Authorities.
- 4. Official meeting with National/regional Authorities.
- 5. Post-project monitoring and needs for industrialisation of the results.

Below it has been detailed the current 6 approved projects, the call to which they have been submitted, the date of submission, date of approval and the link to RESET project:

PROJECT 1		s for the prepa	ration and finisl	ning of fabrics f	or contract				
Company	Industrias	Call	CDT PDI	Date of	October	Date of	25/01/2018		
	Bitex			submission	2017	approval			
	The project wa	as based on:							
	The GP "Mult	iplexed Laser S	Surface Enhance	ement- MLSE" v	which claims fo	or dry finishing	processes. At		
project	technical level	l this was very i	nteresting for th	ne SME and has	been implemen	nted in the subn	nitted project.		
	Moreover, the	e possibility to	work only wit	h gasses, not c	chemical produ	cts was also in	cluded in the		
	proposal.								
	During the Sta	aff Exchange ev	vent organised	by TCoE in whi	ch AITEX partic	ipated, AITEX's	staff had the		
	opportunity to	During the Staff Exchange event organised by TCoE in which AITEX participated, AITEX's staff had the opportunity to learn more about the technology in order to help the company during the execution of the							
	project and a	lso discovered	another issue t	hat was also w	orked within th	ne proposal: the	e research on		
	ozone gas for	the preparation	of fabrics.						
			eholder Jeanolo	,	•	•	•		
		•	edback the con	npany decided t	to include this o	during the imple	ementation of		
	' '	well as to subm	' '						
Expected	New improved	d and sustainab	le production pr	ocess for the co	mpany				
results									







	Hilatour	Call	CDT DD1	Dot- of	NA011 2047	Data of	20/00/204
	Hilaturas Ferre	Call	CDT PDI	Date of submission	May 2017	Date of approval	26/06/201
	The project was based on:						
ESET				ement- MLSE" an			
roject	-			y AITEX, TCoE v			
				CO2 gas as one o			
			•	ned by AITEX a	ifter the Techi	nical Seminar	provided son
			e dyeing proces	~		af finiahinai	:+b co2 / f
	dyeing).	a with the star	denoider of v iii	order to know t	the possibilities	or minstillig wi	itii CO2 (e.g. i
	, 0,	g the feasibilit	y of the proces	s, it was present	ted to the com	pany which de	cided to subm
	the project.					. ,	
cpected	New improve	d and sustaina	ble production	process for the c	ompany		
esults							
POLECT 2	IFANCTD ACK	DOD in the o	mulication of th	a lack icons to t	ha anaut taabu	ical alathina	
ROJECT 3 ompany	Dadayp	Call	IVACE. I+D	e look jeans to t  Date of	May 2017	Date of	22/12/201
	Budayp	Cuii	PYME	submission	Widy 2017	approval	22/12/201
	The project w						
				pportunity for la		•	
oject			provided by M	lunicipality of P	rato and its s	stakeholder du	iring the Poli
	Brokerage ev		itted by Dada	with the collab	noration of AlT	EV sime at	na fluorino f-
				and the collabo			
				NTER, providing			
			0.00. 002002				5 a 5 t a 11 t a 5 11 t y
			kev to submit t	the proposal.			
pected	these compo	unds, were the	key to submit to a new look. The	the proposal.  e company aims	at launching th	e first collection	n to the marke
	these compo	unds, were the			at launching th	e first collection	n to the marke
	these compo	unds, were the			at launching th	e first collection	n to the marke
esults ROJECT 4	these compo New sport ar	unds, were the ticles with new development	of new product	e company aims	inable finishing	g for the leathe	er sector
esults ROJECT 4	these compo New sport ar	unds, were the ticles with new	of new product	e company aims as with eco-susta Date of		for the leathe	
ROJECT 4	these compo New sport ar Research and INPELSA	unds, were the ticles with new development Call	of new product CDTI PDI	e company aims  s with eco-susta  Date of  submission	inable finishing June 2018	g for the leathe Date of approval	er sector 28/09/2018
ROJECT 4 pmpany nk to	these compo New sport ar Research and INPELSA The company	unds, were the ticles with new development Call	of new product CDTI PDI d in reducing th	e company aims  s with eco-susta  Date of  submission  e use of chemica	June 2018 al products dur	g for the leather Date of approval ing the produc	er sector 28/09/2018 tion of leather
ROJECT 4 company nk to	Research and INPELSA  The company The knowledge	development Call was interested	of new product CDTI PDI d in reducing thation taken from	e company aims  s with eco-susta  Date of  submission  e use of chemica  n the Thematic	June 2018 al products dur	g for the leather Date of approval ing the produc	er sector 28/09/2018 tion of leather
ROJECT 4 company nk to	Research and INPELSA  The company The knowledg Regional projections	development Call was interested and informatect. The project	of new product CDTI PDI d in reducing the	e company aims  s with eco-susta  Date of  submission  e use of chemica  n the Thematic	June 2018  al products dur Seminar 3 serv	g for the leather Date of approval ing the product yed as inspiration	28/09/2018 tion of leather
ROJECT 4 company nk to	Research and INPELSA  The company The knowledg Regional projet The GP "Deto"	development Call  was interested ge and informatect. The project x: from threat	of new product CDTI PDI d in reducing the ation taken from t was based on: for brands to o	e company aims  s with eco-susta  Date of  submission  e use of chemica  n the Thematic	June 2018  al products dur Seminar 3 serv	p for the leather Date of approval ing the produce yed as inspiration	28/09/2018 tion of leather on to focus t
ROJECT 4 company nk to	Research and INPELSA  The company The knowleds Regional projet The GP "Deto During the Pstakeholder in	development Call  was interested ge and informated. The project x: from threat olicy Brokerage order to lear	of new product CDTI PDI d in reducing the ation taken from twas based on: for brands to one event, a mean a bit more all	Date of submission e use of chemica the Thematic pportunity for la eting was organ bout the GP presented.	June 2018  al products dur Seminar 3 serv bs and manufa nised with the sented. The mo	pate of approval ing the productived as inspiration of the management of the production of the product	28/09/2018 tion of leather ion to focus t nical Seminar 3 of Prato and ssues that we
ROJECT 4 company nk to	Research and INPELSA  The company The knowleds Regional projection During the P stakeholder in interesting for the New Stakeholder in the Research and INPELSA	development Call  was interested ge and informated. The project x: from threat olicy Brokerage order to lear r INPELSA, were	of new product CDTI PDI d in reducing the ation taken from the was based on: for brands to one event, a mern a bit more alse the benefits of	Date of submission e use of chemica the Thematic pportunity for la eting was organ bout the GP press foontrolling and	June 2018  al products dur Seminar 3 serv bs and manufa iised with the sented. The mod substituting so	Date of approval ing the productived as inspiration of the month of the productive of the month of the productive of the month of the m	28/09/2018  tion of leather ion to focus to hical Seminar 3 of Prato and ssues that we used during the second in t
ROJECT 4 company nk to ESET	Research and INPELSA  The company The knowleds Regional projection of the P stakeholder in interesting for production of the New York Parkens	development Call was interested ge and informated. The project x: from threat olicy Brokerage order to lear r INPELSA, were the leathers,	of new product CDTI PDI d in reducing the ation taken from the was based on: for brands to one event, a men a bit more also the benefits conot only in term	Date of submission e use of chemica the Thematic pportunity for la eting was organ bout the GP presented.	June 2018  al products dur Seminar 3 serv bs and manufa iised with the sented. The mod substituting so	Date of approval ing the productived as inspiration of the month of the productive of the month of the productive of the month of the m	28/09/2018  tion of leather ion to focus to hical Seminar 3 of Prato and ssues that we used during the second in t
ROJECT 4 company nk to ESET	Research and INPELSA  The company The knowleds Regional projection of the Postakeholder in interesting for production of also in terms of the New York Postakeholder in the Posta	development Call was interested ge and informated. The project x: from threat olicy Brokerage order to lear r INPELSA, were the leathers, of social respon	of new product CDTI PDI d in reducing the ation taken from the was based on: for brands to one event, a mean a bit more also the benefits of not only in terminibility.	Date of submission the Thematic pportunity for la eting was organ bout the GP presof controlling anoms of sustainabilities.	June 2018  al products dur Seminar 3 serv bs and manufa hised with the sented. The mod d substituting so	Date of approval ing the producted as inspirated cturers" (Technomous Municipality of the important is one chemicals on of chemicals	28/09/2018  tion of leather on to focus that we used during to focus to foc
ROJECT 4 company nk to ESET	Research and INPELSA  The company The knowledg Regional projection of also in terms of In addition, A	development Call was interested and informated. The project in threat colicy Brokerage or order to lear in INPELSA, were the leathers, of social responsite in the project in the leathers.	of new product CDTI PDI d in reducing the ation taken from the was based on: for brands to one event, a men a bit more allowed the benefits of the control only in terminisibility. d a state of the	Date of submission the Thematic pportunity for la eting was organ bout the GP preson of controlling and of sustainabil art after the Technologies.	June 2018  al products dur Seminar 3 services bs and manufactised with the sented. The model substituting so lity and reduction	pate of approval ing the producted as inspiration of chemical about the posting approval in the posting about the posting approval in the production approva	28/09/2018  tion of leather ion to focus to nical Seminar 3 of Prato and ssues that we used during the pollutants, b
ROJECT 4 company nk to ESET roject	Research and INPELSA  The company The knowledg Regional projection of the Postakeholder in interesting for production of also in terms of In addition, A finishing technical in the production of the production o	development Call was interested and informated. The project in the	of new product CDTI PDI d in reducing the ation taken from the was based on: for brands to one event, a men a bit more allowed the benefits of the control only in terminisibility. d a state of the	Date of submission e use of chemica the Thematic pportunity for la eting was organ bout the GP preson of controlling and so of sustainabil art after the Teleasons, the com	June 2018  al products dur Seminar 3 servents of with the sented. The modes of substituting so lity and reduction chnical Seminar	pate of approval ing the producted as inspiration of chemical about the posting approval in the posting about the posting approval in the production approva	28/09/2018  tion of leather ion to focus to nical Seminar 3 of Prato and ssues that we used during the pollutants, b
sults  ROJECT 4  company  nk to  ESET  coject	Research and INPELSA  The company The knowledg Regional projection of the Postakeholder in interesting for production of also in terms of In addition, A finishing technical in the production of the production o	development Call was interested and informated. The project in the	of new product CDTI PDI d in reducing the ation taken from the above two seeds on: for brands to one event, a mean a bit more also to event, a mean a bit more also to only in terminibility. d a state of the other. By these residuals are the seeds are the	Date of submission e use of chemica the Thematic pportunity for la eting was organ bout the GP preson of controlling and so of sustainabil art after the Teleasons, the com	June 2018  al products dur Seminar 3 servents of with the sented. The modes of substituting so lity and reduction chnical Seminar	pate of approval ing the producted as inspiration of chemical about the posting approval in the posting about the posting approval in the production approva	28/09/2018  tion of leather ion to focus to nical Seminar 3 of Prato and ssues that we used during to I pollutants, b
ROJECT 4 company  nk to ESET roject	Research and INPELSA  The company The knowledg Regional projection of also in terms of addition, A finishing technology is a second of the company of the production of also in terms of the company of t	development Call  was interested ge and informated. The project x: from threat olicy Brokerage order to lear r INPELSA, were the leathers, of social responsite performent performent of the performent performen	of new product CDTI PDI d in reducing the ation taken from the was based on: for brands to one event, a mean a bit more also the benefits conot only in termisibility. d a state of the other. By these rustainable technic	Date of submission le use of chemica the Thematic poportunity for la eting was organ bout the GP presof controlling and ms of sustainabil art after the Teleasons, the compologies	June 2018  al products dur Seminar 3 servents of with the sented. The modes of substituting so lity and reduction chnical Seminar	pate of approval ing the producted as inspiration of chemical about the posting approval in the posting about the posting approval in the production approva	28/09/2018  tion of leather ion to focus the nical Seminar 3 of Prato and in ssues that we used during the I pollutants, b
eset roject epected esults	Research and INPELSA  The company The knowledg Regional projection of also in terms of In addition, A finishing technology and the state of the stat	development Call was interested ge and informated. The project x: from threat olicy Brokerage order to lear r INPELSA, were the leathers, of social responsite performent projects on leading the project performent projects performent projects	of new product CDTI PDI d in reducing the ation taken from the ation to only in terms at the benefits control only in terms at the them to only in terms at the terms at the attention of the atte	Date of submission e use of chemica the Thematic pportunity for la eting was organ bout the GP presor controlling and so sustainabil art after the Teleasons, the compologies	June 2018  al products dur Seminar 3 services bs and manufanised with the sented. The mod substituting so lity and reduction chnical Seminar pany decided to	pate of approval ing the producted as inspirated cturers" (Technomous important in the producted as inspirated cturers and including the producted as inspirated cturers and including the producted as inspirated a	28/09/2018  tion of leather ion to focus the ical Seminar 3 of Prato and i ssues that we used during the I pollutants, b ssibilities of ne oject.
ROJECT 4 company nk to ESET roject  spected sults	Research and INPELSA  The company The knowledg Regional projection of also in terms of addition, A finishing technology is a second of the company of the production of also in terms of the company of t	development Call  was interested ge and informated. The project x: from threat olicy Brokerage order to lear r INPELSA, were the leathers, of social responsite performent performent of the performent performen	of new product CDTI PDI d in reducing the ation taken from the ation to only in terms at the benefits of the ation to only in terms at the there at the attention of the ation of the	Date of submission when the Thematic poportunity for late ting was organ bout the GP preson of controlling and art after the Teleasons, the compologies	June 2018  al products dur Seminar 3 servents of with the sented. The modes of substituting so lity and reduction chnical Seminar	pate of approval ing the producted as inspiration of cturers. (Technom Municipality of the producted as inspiration of chemicals on of chemicals of about the post of submit the product of the producted of the p	28/09/2018  tion of leather ion to focus the nical Seminar 3 of Prato and in ssues that we used during the I pollutants, b
ROJECT 4 company  nk to ESET roject  expected esults  ROJECT 5 company	Research and INPELSA  The company The knowledg Regional projection of also in terms of In addition, A finishing technology the stakeholder in the	development Call was interested ge and informated. The project x: from threat colicy Brokerage or order to lear r INPELSA, were the leathers, of social responsite performent projects on leading the project performent projects on leading the project with the project performent projects on leading the project performent projects of the project	of new product CDTI PDI d in reducing the ation taken from the ation to only in terms at the benefits control only in terms at the them to only in terms at the terms at the attention of the atte	Date of submission e use of chemica the Thematic pportunity for la eting was organ bout the GP presor controlling and so sustainabil art after the Teleasons, the compologies	June 2018  al products dur Seminar 3 services bs and manufactised with the sented. The modes of the substituting so lity and reduction chnical Seminal pany decided to	pate of approval ing the producted as inspirated cturers" (Technomous important in the producted as inspirated cturers and including the producted as inspirated cturers and including the producted as inspirated a	28/09/2018  tion of leather ion to focus to nical Seminar 3 of Prato and it ssues that we used during to I pollutants, b ssibilities of ne oject.
ROJECT 4 company  nk to ESET roject  expected esults  ROJECT 5 company  nk to	Research and INPELSA  The company The knowledg Regional project Washington of also in terms of In addition, A finishing technology the Stakeholder in the Stakeholder	development Call was interested and informated. The project in the	of new product CDTI PDI d in reducing the ation taken from the ation to one event, a mean abit more also the benefits of a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termination to only in termisibility. It is a state of the ation to only in termisibility. It is a state of the ation to only in termination to only in term	Date of submission e use of chemica the Thematic pportunity for la eting was organ bout the GP presor controlling and man of sustainabil art after the Teleasons, the compologies	June 2018  al products dur Seminar 3 services with the sented. The mod substituting so lity and reduction chnical Seminar pany decided to May 2018	pate of approval ing the product of as inspiration of chemicals on of chemical or about the post of submit the product of approval	28/09/2018  tion of leather ion to focus the ical Seminar 3 of Prato and is ssues that we used during the I pollutants, be ssibilities of ne oject.
ROJECT 4 company  nk to ESET roject  ROJECT 5 company  nk to ESET	Research and INPELSA  The company The knowledg Regional project work of the project wo	development Call was interested ge and informated. The project x: from threat olicy Brokerage order to lear r INPELSA, were the leathers, of social responsive properties on lear by using eco-site weekle dyein call as based on: rainable chemical social responsive properties on lear the leathers of	of new product CDTI PDI d in reducing the ation taken from a bit more also at the benefits of the ation only in termination only in termination only in termination of the ation o	Date of submission when the Thematic poportunity for late ting was organized from the GP presonance of controlling and the submission when the Thematic poportunity for late ting was organized from the GP presonance of submission when the GP presonance of submission with the GP presonance of submission when the GP presonance of submission with the GP presonance of submission when the GP presonance of submission with	June 2018  al products dur Seminar 3 services with the sented. The mod substituting so lity and reduction chnical Seminar pany decided to May 2018	pate of approval ing the product of as inspiration of chemicals on of chemical or about the post of submit the product of approval	28/09/2018  tion of leather ion to focus the ical Seminar 3 of Prato and is ssues that we used during the I pollutants, be ssibilities of ne oject.
ROJECT 4 company  nk to ESET roject  spected esults  ROJECT 5 company  nk to	Research and INPELSA  The company The knowledg Regional project The GP "Deto During the Pstakeholder in interesting for production of also in terms of In addition, A finishing technology the GP "Sustement of the GP "Sus	development Call was interested ge and informated. The project x: from threat olicy Brokeragn order to lear r INPELSA, were the leathers, of social responsite performent projects on lear to the performance of the p	of new product CDTI PDI d in reducing the ation taken from a bit more also the benefits of a state of the ation to only in terminability. d a state of the ation the ation to only in terminability. d a state of the ation the ation to only in terminability. d a state of the ation the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability. d a state of the ation to only in terminability.	Date of submission when the Thematic poportunity for late ting was organized from the GP presonance of controlling and the submission when the Thematic poportunity for late ting was organized from the GP presonance of submission when the GP presonance of	June 2018  all products dur Seminar 3 services with the sented. The mod substituting so lity and reduction chnical Seminar pany decided to May 2018  Wash-off proces	Date of approval ing the product of as inspiration of chemicals on of chemicals on of chemicals of about the post of approval approval	28/09/2018  tion of leather on to focus the one of Prato and is ssues that we used during the original pollutants, but it is sibilities of new oject.
ROJECT 4 Ompany  nk to ESET Toject  ROJECT 5 Ompany  nk to ESET Toject  ROJECT 5 Ompany	Research and INPELSA  The company The knowledg Regional projet of During the Pstakeholder in interesting for production of also in terms of In addition, A finishing technology the Molto  BLENDYE - New Molto  The project work of the GP "Sust presented by In addition, for the sport of the second o	development Call was interested ge and informated. The project x: from threat olicy Brokerage of order to lear r INPELSA, were the leathers, of social responsite performent of the performent of the performent of the performent the partner TC urther informated.	of new product CDTI PDI d in reducing the stion taken from the state one of the state of the sta	Date of submission when the Thematic poportunity for late ting was organized from the GP presonance of controlling and the submission when the Thematic poportunity for late ting was organized from the GP presonance of submission when the GP presonance of submission with the GP presonance of submission when the GP presonance of submission with the GP presonance of submission when the GP presonance of submission with	June 2018  all products dur Seminar 3 services with the sented. The mod substituting so lity and reduction chnical Seminar pany decided to May 2018  Wash-off processing the Policy Britanian part of the Policy Britanian	pate of approval ing the product of as inspiration of chemicals on of chemicals or about the post important in the product of	28/09/2018  tion of leather on to focus the control of Prato and ssues that we used during the pollutants, but it is sibilities of new oject.  28/09/2018  dyes on cotto was very used







PROJECT 6	New heatable textiles for hometextiles (contract sector)							
	RESUINSA	Call	CDTI PDI	Date of submission	July 2018	Date of approval	28/11/2018	
Link to RESET project	presented by under its opin same basis of	CITEVE. During Thion, possibility The GP project	g the Policy Bies to develop t was feasible.	able textiles whice rokerage event ( heatable textiles AITEX performed neetings with RES	CITEVE explaine s for hometext further technic	ed in more de iles (contract : al analysis in o	tail this GP, and sector) with the order to evaluate	
Expected results	New heatable	textiles for ho	me textile subs	sector				

The calls through which it has been achieved the policy change are: CDTI PDI and IVACE PIDI-CV I+D PYME.

CDTI PDI is a national call for submitting industrial R&D projects. Partial funding of projects comes from the Spanish Plurirregional FEDER Operational Programme – POPE 2014 – 2020, which is supported with regional funds. In the case of Valencian region, these regional funds come from the ERDF Operational Programme 2014-2020 for Valencian Community, which is the policy instrument addressed.

IVACE PIDI-CV I+D PYME is a regional (Valencian) call for submitting industrial R&D projects. Partial funding directly comes for FEDER funds (ERDF Operational Programme 2014-2020 for Valencian Community), which is the policy instrument addressed.

**3. Players involved** (Please indicate the organisations in the region who are involved in the development and implementation of the action and explain their role)

PROJECT 1	New processes for the preparation and finishing of fabrics for contract
	CONSELLERIA, CDTI, T&C COMPANY (INDUSTRIAS BITEX), JEANOLOGIA, AITEX
involved	
DDOJECT 2	WEDGE Development of a surveying a survey for finding and home to till
PROJECT 2	W-FREE. Development of new spinning processes for fashion and home textile
	CONSELLERIA, CDTI, T&C COMPANY (HILATURAS FERRE), UPV, AITEX
IIIvoiveu	
PROJECT 3	JEANSTRACK - R&D in the application of the look jeans to the sport technical clothing
Players	CONSELLERIA, IVACE, T&C COMPANY (DADAYP), COLORCENTER, AITEX
	(27.27.11.1)
PROJECT 4	Research and development of new products with eco-sustainable finishing for the leather sector
Players	CONSELLERIA, CDTI, T&C COMPANY (INPELSA), AITEX
involved	
PROJECT 5	BLENDYE - New textile dyeing process for blended threads
	CONSELLERIA, CDTI, T&C COMPANY (MOLTO), AITEX
involved	
PROJECT 6	New heatable textiles for hometextiles (contract sector)
	CONSELLERIA, CDTI, T&C COMPANY (RESUINSA), AITEX
involved	







## 4. Timeframe

As the last running project of the first 6 submitted and approved in the frame of RESET ends in Dec'19, AITEX considers that the monitoring of the post-project and needs for industrialisation of results will be extended six months after the end of this last project.

	PROJECTS	EXECUTION (Start date – End Date)
1	New processes for the preparation and finishing of fabrics for contract	10-10-2017 29-03-2019
2	W-FREE. Development of new spinning processes for fashion and home textile	01-06-2017 30-11-2018
3	JEANSTRACK - R&D in the application of the look jeans to the sport technical clothing	01/01/2017- 30/06/2018
4	Research and development of new products with eco-sustainable finishing for the leather sector	01/06/2018- 30/08/2019
5	BLENDYE - New textile dyeing process for blended threads	31-05-2018 31-05-2019
6	New heatable textiles for hometextiles (contract sector)	19-07-2018 31-12-2019

Then, timeframe of this Action 1 is:

Start date 01/04/2019

End date 30/06/2020.

## 5. Costs and funding sources

1       New processes for the preparation and finishing of fabrics for contract       446.088,00€       56.876         2       W-FREE. Development of new spinning processes for fashion and home textile       342.767,00 €       42.345         3       JEANSTRACK - R&D in the application of the look jeans to the sport technical clothing       66.816,37€       26.725	
textile  3 JEANSTRACK - R&D in the application of the look jeans to the sport technical clothing  26.725	,09€
technical clothing	,44€
	,54€
Research and development of new products with eco-sustainable finishing 308.671,00€ 34.706 for the leather sector	,97€
5 BLENDYE - New textile dyeing process for blended threads 340.487,00€ 40.797	,15€
6 New heatable textiles for hometextiles (contract sector) 330.176,00€ 40.007	







#### **ACTION 2: SUBMISSION AND PRESENTATION OF NEW PROJECTS**

**1. The background** (Please describe the lessons learnt from the project that constitute the basis for the development of the present Action)

AITEX's core mission is to create technical know-how and transfer this knowledge to textile manufacturers to help them become more competitive, create more value and allow them access to new business opportunities. For this reason, RESET project is being a good opportunity for AITEX to transfer the work done to the Valencian textile companies and to submit projects that are achieving the policy change.

AITEX will continue during 2019, 2010 and 2021 offering T&C companies the knowledge acquired during the interregional learning experience of RESET project. Projects to be submitted will be focused on the 6 Thematics worked in RESET project. This is and important issue, as last of first 6 new projects based on GPs coming from RESET ends at December 2019. Then AITEX will continue pushing the Valencian Textile companies to submit new projects based on RESET: it means that implementation and monitoring of new projects will continue after December 2019.

In fact, 4 new projects have been proposed to companies during the period October 2018 – March 2019, and it's expected to launch more in the timeframe of this action 2. They will be implemented and monitored in the same way than the 6 previous projects already funded with ERDF funds.

**2. Action** (Please list and describe the action to be implemented)

The action 2 to be implemented is to help Valencian textile companies to build and submit new industrial R&D projects.

Taking into account, on the one hand, the expectations of the Valencian Textile companies and their limitations and on the other hand, the work done during phase 1, know-how and expertise gained during the 6 different ILEs performed in RESET, the 59 GPs shared in these events and the interregional exchange learning, 6 projects have been submitted and approved by National/Regional Authorities inspired or based of a specific regional GP shared by RESET partners.

Valencian textile companies leading the new projects are going to be supported by AITEX and by RESET project stakeholders depending on the thematic in order to increase their capacities, develop new products or research in new processes.

The scope of the new projects to be submitted will be focused on the use new and sustainable technologies, techniques and knowledge worked within RESET execution.

The calls through which it is going to be achieved the policy change are: CDTI PDI and IVACE PIDI-CV I+D PYME.

CDTI PDI is a national call for submitting industrial R&D projects. Partial funding of projects comes from the Spanish Plurirregional FEDER Operational Programme (50%) – POPE 2014 – 2020, which is supported with regional funds. In the case of Valencian region, these regional funds come from the ERDF Operational Programme 2014-2020 for Valencian Community, which is the policy instrument addressed.







IVACE PIDI-CV I+D PYME is a regional (Valencian) call for submitting industrial R&D projects. Partial funding directly comes for FEDER funds (ERDF Operational Programme 2014-2020 for Valencian Community), which is the policy instrument addressed.

These sub-actions will be developed in order to submit the new projects

- 1. Analysis of each specific GP at technical level and the possibility of application to Valencian Textile Companies (general trends in the textile industry, previous developments, technology level of the company, etc.).
- 2. Meeting with Stakeholders involved in each ILE as experts of the specific thematic.
- 3. Proposal and presentation of the GP to the companies willing to participate.
- 4. Study of the Regional /national call to be submitted the proposal (CDTI PDI or IVACE PIDI-CV I+D PYME)
- 5. Selection of the final applicant, elaboration of the proposal and final submission.
- 6. Execution and monitoring of the project with the collaboration of AITEX and RESET Stakeholders depending on the thematic.
- 7. Post-project monitoring and needs for industrialisation of the results.
- **3. Players involved** (Please indicate the organisations in the region who are involved in the development and implementation of the action and explain their role)

INDUSTRIAL ASSOCIATIONS OF VALENCIAN REGION, T&C COMPANIES, CONSELLERIA, AITEX'S STAKEHOLDERS, IVACE and CDTI.

## 4. Timeframe

Start date: 01/04/2019 End date: 31/03/2021

5. Costs and funding sources

Information not available yet.







# 3. Summary

RESET project has given the opportunity to AITEX to transfer to Textile and Clothing (T&C) companies of the Valencian Region, new knowledge, techniques and technologies learnt during the Phase 1 (Interregional Learning Process).

For AITEX, the most important output obtained has been the opportunity to participate in a strong network of European research centers and public authorities with wide knowledge in different fields of activity in relation with the Textile and Clothing sector. This network has given all partners de opportunity to share their knowledge and transfer it to the stakeholders and companies to strength the sector.

All activities performed in RESET project have been important, from the policy learning events organised (thematic seminars and policy brokerage) to the staff interchange.

Apart from AITEX, around 110 entities (universities, research centers, regional authorities, companies) have taken benefit from the project through the direct collaboration in RESET activities: participation in seminar, stakeholder meetings, collaboration in the GPs.

As a result, 6 projects have been submitted and approved by Spanish National/Regional Authorities inspired or based of a specific regional GP shared by RESET partners that are achieving the policy change. These 6 projects will be monitored until they finish (as part of the action 1 of this plan), and new R&D projects inspired by RESET will be submitted and launched as part of action 2.





