

Organised by



12 June, 2024



10-11.30 CET

Upskilling for Smart Specialisation Strategies

WEBINAR

Learn from regional experts about challenges and best practices for upskilling workers in a place-based approach.

With speakers including:



Miriana Bucalossi
Tuscany Region

Interreg
Europe



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the European Union

SKYLA

Lorenzo Sabatini
SKYLA Project Lead

Interreg
Europe



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TALENT4S3

Lucila Castro Rovillard
TALENT4S3 Project Lead



Baldoyle Training Centre,
Fingal, Ireland

Agenda

10.00 – 10.05: Introduction and regional call for place-based upskilling strategies, *Miriana Bucalossi, Tuscany Region*

10.05 - 10.15: Upskilling for innovation: insights from Interreg Europe good practices, *Arnault Morisson, Thematic Experts - Smarter Europe for Interreg Europe Policy Learning Platform.*

10.15 – 10.25: Introduction to the SKYLA project, *Lorenzo Sabatini, Agency for the development of the Empolese Valdelsa*

10.25 – 10.35: Expanding SKYLA's geographical reach: challenges and opportunities in new partner regions

10.35 – 10.45: Introduction to the Talent4S3 project, *Lucila Castro Rovillard, project manager FUNDECYT - PCTEX from Extremadura*

10.45 – 11.15: Best practice panel: place-based strategies for upskilling in the twin transition: *ITS Academy, Tuscany (SKYLA), Regional example in Extremadura (Lucila Castro Rovillard), Baldoyle Training Centre*

11.15 – 11.25 Interactive session and Q&A on slido, *Miriana Bucalossi*

Upskilling for innovation: insights from Interreg Europe good practices

Arnault Morisson, Thematic Experts - Smarter Europe for Interreg Europe Policy Learning Platform.

Arnault Morisson is a senior consultant for local and regional economic development. He is one of the Thematic Experts - Smarter Europe for Interreg Europe Policy Learning Platform. He is also an Adjunct Professor at Sciences Po Paris, France. He has a PhD in Economic Geography from Utrecht University, the Netherlands, and was a PostDoc researcher in Economic Geography at the University of Bern, Switzerland

Introduction to the SKYLA project

Lorenzo Sabatini, Agency for the development of the Empolese Valdelsa

Lorenzo Sabatini (EU Project Manager Senior) - First-class degree in Electronic Engineering. Employed in ASEV since 2012 where is responsible for the RTD project area. National and EU project manager senior, involved in several regional (ROPs), national and European framework programmes è [FP*, INTERREGs, ERA-NETs, ERASMUS, LIFE] and networks where he was/is coordinator or responsible at Steering/Technical Committee level. Since 2011 he has been the coordinator of the regional Cluster for Advanced Materials (Innovation Pole ² Technology District) and a member of the S3 Observatory for the Tuscany Smart Specialisation Strategy

Introduction to the Talent4S3 project

Lucila Castro Rovillard, project manager
FUNDECYT - PCTEX from Extremadura

With a degree in Communication Sciences with specialisation in Policy and Planning at the University of Buenos Aires (Argentina), nowadays is a Project Manager at the FUNDECYT-PCTEX, where she has been working since 2007 implementing and developing regional, national and European projects. She has been actively involved in the design of the Smart Specialisation Strategy of Extremadura and is currently part of the Technical Office of the RIS3, giving support to the Regional Government in the implementation, monitoring and evaluation of the Strategy.

Baldoyle Training Centre

Sharon McCarthy and Aidan Owens

Baldoyle Training Centre is part of the Fingal Skills Strategy Implementation Group. The Centre is based in the North of Dublin in the Fingal Region. Aidan Owens is the Area Training Manager of the Centre and is the Co-Chair of the FSSIG. Sharon Mc Carthy is an Assistant Manager and represents the Training Centre on several of the Fingal Skills Strategy Subgroups.

The Baldoyle Training Centre provides a wide range of skills-based training courses to those who are entering the labour market for the first time, to those who wish to upskill and/or change their career. Training delivered is responsive and flexible to meet the needs of the labour market.

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Upskilling for innovation: insights from Interreg Europe good practices



Arnault Morisson

Thematic Expert | Smarter Europe | Interreg Europe Policy Learning Platform

12 June 2024



SKYLA/TALENTS4S3 Webinar

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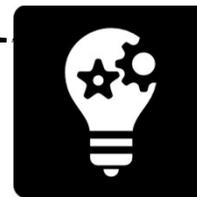
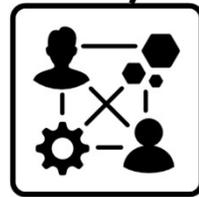


The Platform in a nutshell

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Knowledge

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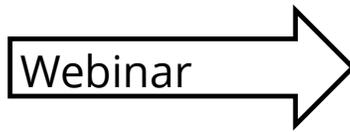
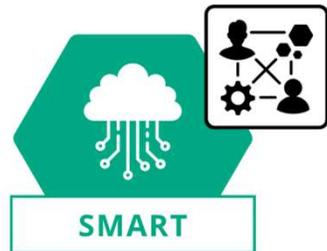


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Strategic and participatory foresight



Skills for innovation



Economic diversification in the health sector for or the city of Szombathely, Hungary.



Strategic and Participatory Foresight



Skills for innovation



Economic diversification in the Hungarian health sector

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To form a regional task force for regional skills assessment and anticipation

Good practice:

National project Sector Driven Innovations (NP SRI)



Slovakia



Interreg Europe project

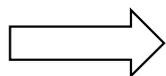


The **National project Sector Driven Innovations (NP SRI)** is an initiative to monitor labour market needs, labour shortages, to identify how technologies will affect the labour market, to perform foresight exercises on the future of jobs up to 2030 and the impacts on job functions, employment levels and skills in Slovakia.

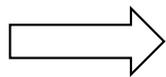
The initiative is piloted by the Ministry of Labour, Social Affairs and Family of Slovak Republic and is managed by the private agency Trexima Bratislava Ltd.

The initiative also strengthens **24 Sector Skills Councils (SSC)** to enable them to identify and anticipate relevant skills and human resource strategies in specific sectors.

The good practice informs on a potential way forward to form task forces to make evidence-based decisions on concrete strategic measures and actions to upskill or reskill workers such as with higher education institutions and vocational schools.



Using foresight methodologies to anticipate skills.



See also Future Key Skills and Competences for I4.0 in Slovenia.

International talent attraction programme

Good practice:

TECNIOspring is a mobility scheme to attract international researchers to develop R&D projects in Catalonia, Spain.

TECNIOspring 

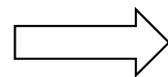
The programme provides 100% financial support to offer fellows 2-year employment contracts to develop applied research projects with focus on technology transfer.

Spain



TECNIOspring is an example of a technology push initiative that gives financial incentives for private companies to conduct and to invest in R&D. In addition to incentivise private companies, the programme allows for extra-regional knowledge flows and linkages with other R&D centres.

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Promoting talent attraction programme in S3 priorities

Upskilling in traditional industries

Good practice:

Skills for the digital transition in the textile sector



The **initiative PRISMA** is a triple helix collaboration involving the Municipality of Prato, University of Florence and business associations to provide capacity-building and training to logistics companies in the Prato textile industrial district in Italy.

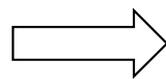
The initiative aims to provide companies with knowledge to adapt to new supply chain logics, technological, and market complexities.

The initiative includes an assessment of the companies' challenges and a roadmap to address those challenges.

Italy



Interreg Europe project



Using innovation vouchers to assess companies' challenges and to develop a roadmap for upskilling.

Challenge-driven policies for upskilling

Good practice:

Challenge-driven competitions



The city of Sofia is experimenting with challenge-driven hackathons as mini missions to solve pressing local societal challenges.

The Sofia Development Association was created by the Municipality of Sofia, Bulgaria, to promote quadruple helix engagement and to pilot and test innovative solutions. The Association has organised more than **20 hackathons to solve place-based urban challenges**.

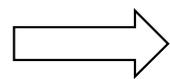
Sofia, Bulgaria



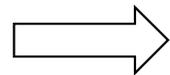
Hackathons are short-term competitions where teams compete to develop minimum viable products (MVP) before presenting them to a jury. The winners receive a prize money to further develop their MVP and prototypes.

The Sofia Development Association is involved to frame the challenges, to find funding for the prize money thanks to co-sponsorship, to assist prototype development, and to support further public procurement or commercialisation.

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Using challenge-driven policies to rally the innovation ecosystem around concrete societal challenges.



See also DEMOLA to connect students with company challenges

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Arnault Morisson

Thematic Expert | Smarter Europe | Interreg Europe Policy Learning Platform

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SKYLA

SKYLA

Smart Specialisation Skills Ecosystems for the Twin Transition

Lorenzo Sabatini

Project Coordinator

l.sabatini@asev.it

12th June 2024 | Webinar on upskilling



SKYLA is implemented in the framework of the **Interreg Europe programme** and co-financed by the European Union.



“SKYLA’s overall objective is to support public authorities in **putting future SKILLS at the centre of the Twin Transitions** for a smarter, more resilient development, **by boosting** and adapting **the role of Vocational Education and Training (VET)** in innovation ecosystems and smart specialisation **strategies.”**

The SKYLA Partnership

Partners:

- **Agency for the development of the Empoiese Valdelsa – Lead partner**
- Podlaskie Voivodeship
- Regional Council of Skåne, Department for Regional Development
- Industrial Development Center South, Sweden
- Sofia Municipality
- Cluster of Mechatronics and Automation, Bulgaria
- Fingal County Council
- Regional Development Fund of Attica
- **European Association of Regional and Local Authorities for Lifelong Learning**
- European Social Fund Agency, Lithuania
- Pôle emploi Provence-Alpes-Côte d'Azur

Associated Partners:

- Regional Government of Tuscany - Directorate for Education, Training, Research and Employment
- Ministry of Education, Science and Sport, Lithuania

11 Partners and 2
Associated Policy
Authorities are partners
in the SKYLA project.

11
partners



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- European Social Fund Agency, Lithuania
- Pôle emploi Provence-Alpes-Côte d'Azur
- **Chamber of Economy of Montenegro**
- **Regional Development Agency of Lviv Region**

Associated Partners:

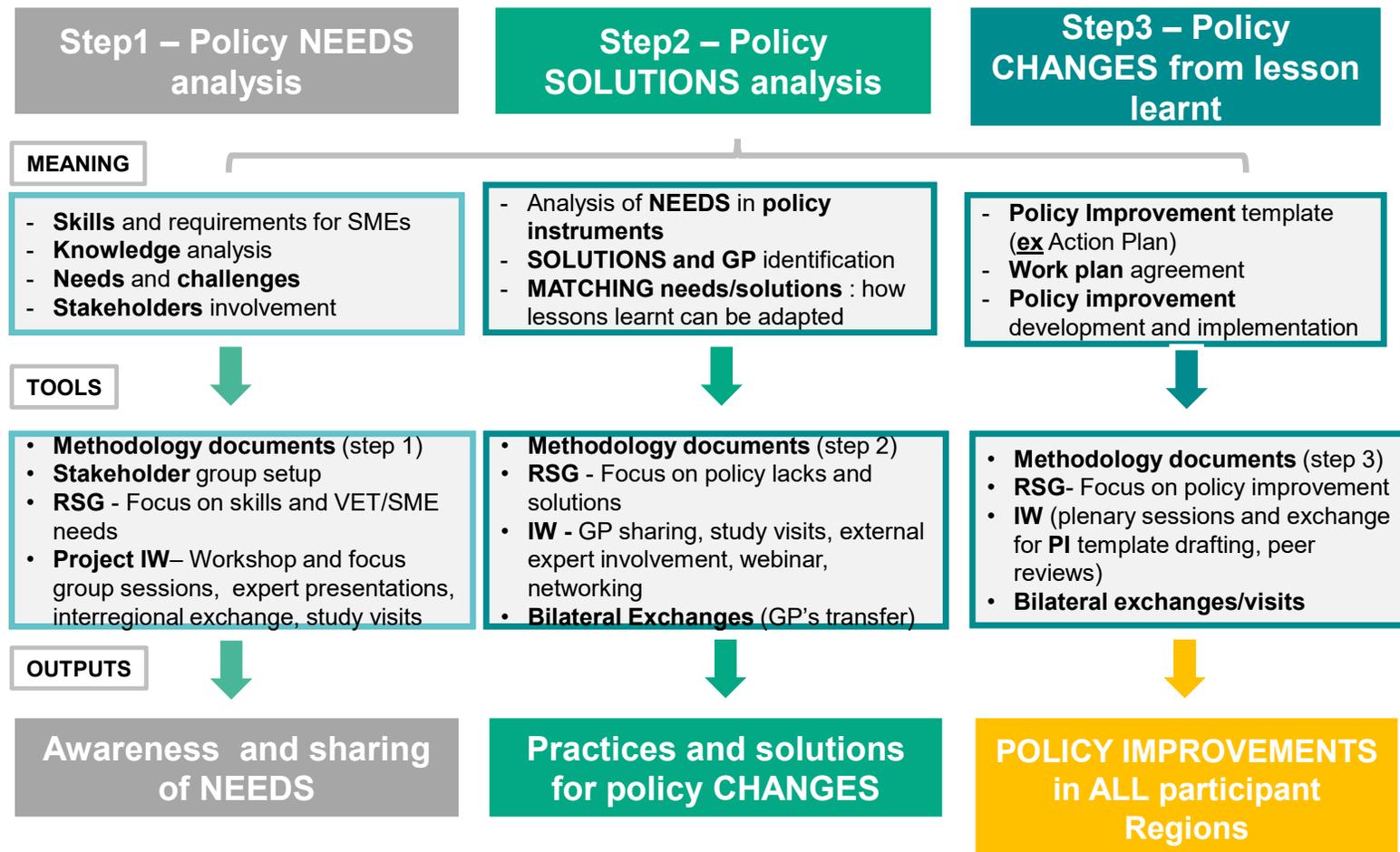
- Regional Government of Tuscany - Directorate for Education, Training, Research and Employment
- Ministry of Education, Science and Sport, Lithuania

13 Partners and 2
Associated Policy
Authorities are partners
in the SKYLA project.

13
partners



Methodology overview



Project periods 1-3 in a nutshell ...

Kickoff
Brussels
May 2023

1st ILE

2nd ILE

Dublin
Nov 2023

3rd ILE

Florence
Apr 2024

4th ILE

Next Event
Malmo
Sept 2024

Seminar on “*Skills for the twin transition*”.
Focus on **sharing priorities, sub-themes**. Settlement of a common
alphabet

Settlement of project objectives

Focus on **regional (policy) needs**
following a **common** analysis
methodology template and starting from
joint **sub-themes**

Regional needs analysis

Focus on **existing solutions** in
participant regions by involving local
stakeholders and sharing the solution
using a **common template**

Good practices identification

Focus on **deepening solutions** and pave
the ground to the following **policy
improvement** by **Bilateral Exchanges**

Gap analysis and practices
exchange

**8 parallel Regional
Stakeholders Meetings** each
semester to discuss, modify
and validate topics and results
(analysis of needs, GP’s
identification and evaluation,
policy solutions)

RSG Meetings

Learning from territorial exchanges so far

Fingal Skills Strategy experienced by SKYLA Partners

NEWS 

Share

10 November 2023 | By Project SKYLA



Stakeholder Engagement makes the Fingal Skills Strategy a success

Partners had the opportunity to hear from and meet the diverse stakeholders that make the Fingal Skills Strategy, the first county in Ireland to have such a strategy, a success. [The Fingal Skills Strategy](#) was developed as an objective under the Fingal Local Economic & Community Plan (LECP) 2016 - 2020 and is the first cross-sector skills strategy developed at a local level in Ireland. The purpose of the Strategy is to implement a range of recommendations and actions to grow the skills of the workforce in the local area, benefiting both citizens and employers.



Key
Takeaways

Stakeholder
interviews

Short videos

SKYLA partners get to know the Tuscan model of ITS Academies

NEWS 

Share

11 April 2024 | By Project SKYLA



What can SKYLA partners learn from this example?

SKYLA's overall goal is to place VET at the centre of the twin transition and smart specialisation strategies. Meet Denitsa from the Cluster of Mechatronics and Automation, Bulgaria, who shares her views on the visits to ITS Mita in April 2024:



Read more at <https://www.interregeurope.eu/skyla>

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Smart Specialisation Skills Ecosystems for the Twin Transition

Lorenzo Sabatini

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12th June 2024 | Webinar on upskilling

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SKYLA

ITS Academies

Higher technological training policies in Tuscany

Lorenzo Sabatini

Project Coordinator

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12th june 2024 | Webinar on upskilling



What is a Good Practice?

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A “good practice” is defined as an **initiative related to regional development policy** which has **proved to be successful** in a region and which is of **potential interest to other regions**.

“Proved successful” is when the good practice has already provided **tangible and measurable results** in achieving a specific objective.

Key issues:

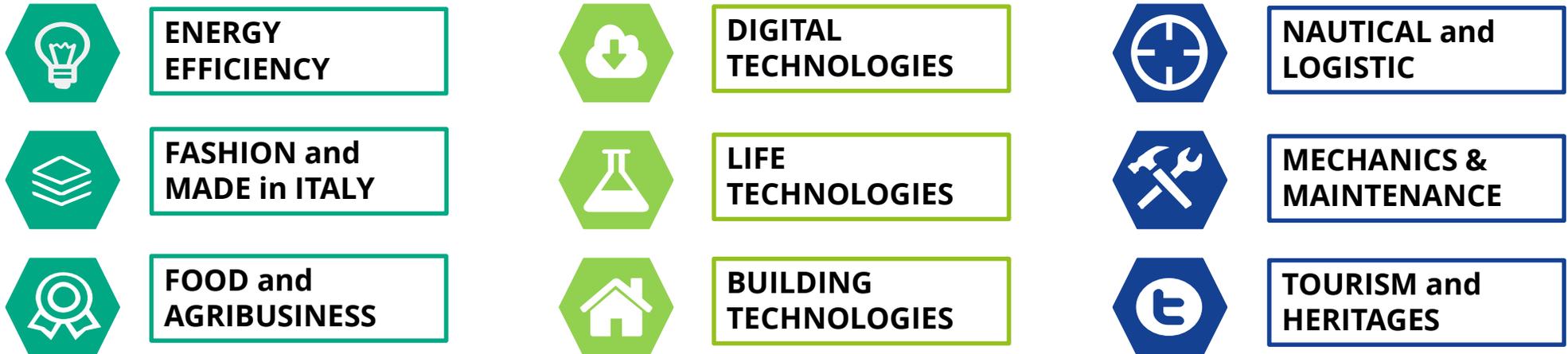
1. Availability of **results**,
2. **Transferability**,
3. **Level of Innovation**,
4. **Long-term durability**

What about the Tuscany ITS System ...

ITSs are schools of excellence with a high degree of **technological specialisation** that enable students to obtain the title of **higher technician**. ITSs are the **expression of a strategy based on linking education, training and labor policies with industrial ones**.

ITS System was launched in 2014-2020 programming period - supported by **ESF ROP** - to create high technicians specialized in **different strategic areas for economic development**.

10 ITS were created at different times **on the following sectors**:



... and the very latest one created in **April 2024** on:



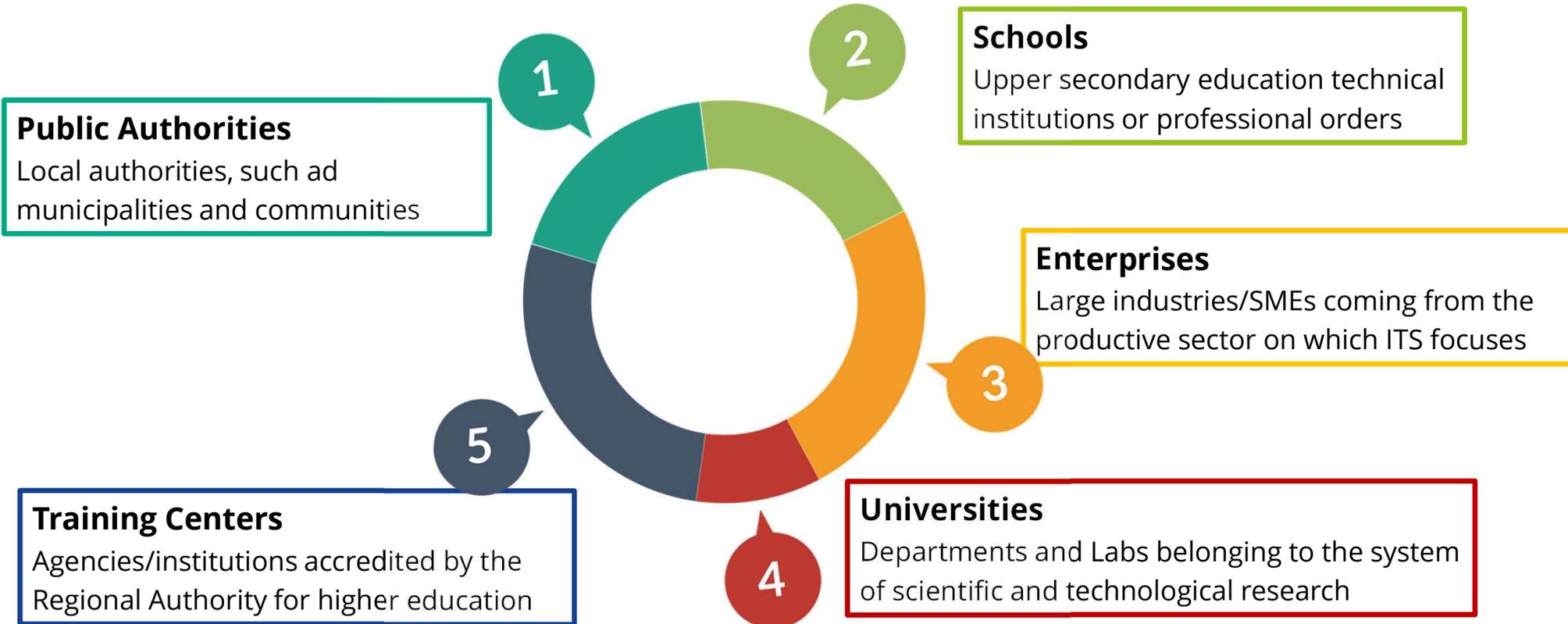
BUSINESS SCIENCE and MANAGEMENT

What about ITS Academies



[Innovation and Durability]

ITS Academies (originally ITS Foundations) are stable **alliances** between companies, schools and training bodies, to update workers' skills and **to offer courses for highly specialized qualifications** and for the training of managers and entrepreneurs. **Each ITS must include:**



Example: ITS PRODIGI on Digital Technologies

- **PRODIGI** is the **higher training school** in Tuscany dedicated to **information technology (ICT) and digital technologies**
- Founded in **December 2021** **PRODIGI** is one of the **youngest** foundation among the **10** launched by the Tuscany region
- **Target** is creating **professional figures** for strategic sectors of the economic-productive system of Tuscany and developing methods for business innovation through ICT and digital.
- The founding **members** of the ITS Prodiggi represent the **economic, institutional and educational backbone** of the key regional reference territories: Empoli/Florence area, Pisa, Siena and Arezzo.



Example: an ITS partnership



PRODIGO Founding Members are **30 entities**

including businesses, trade associations, training agencies, schools, universities and municipalities.

“Together to train the Higher Technicians of tomorrow”.



Example: ITS working methodology



SKILL ANALYSIS

Many local enterprises are looking for digital talent and new skills to be



JOINT PLANNING

Courses are developed in various industries;



PROFESSIONAL TRAINERS

Teachers are experienced professionals in Information & Communication Technology



INTERNSHIP

About half of the two-year course is carried out in internships at companies

General FEATURES of an ITS course:

Duration:	2 years
Student age:	18-35 (<u>with</u> high school diploma)
Training hours:	1.100 hours
Internship:	900 hours
N° students:	25
Period:	October Year X – April Year X+2



COURSE
PLANNING

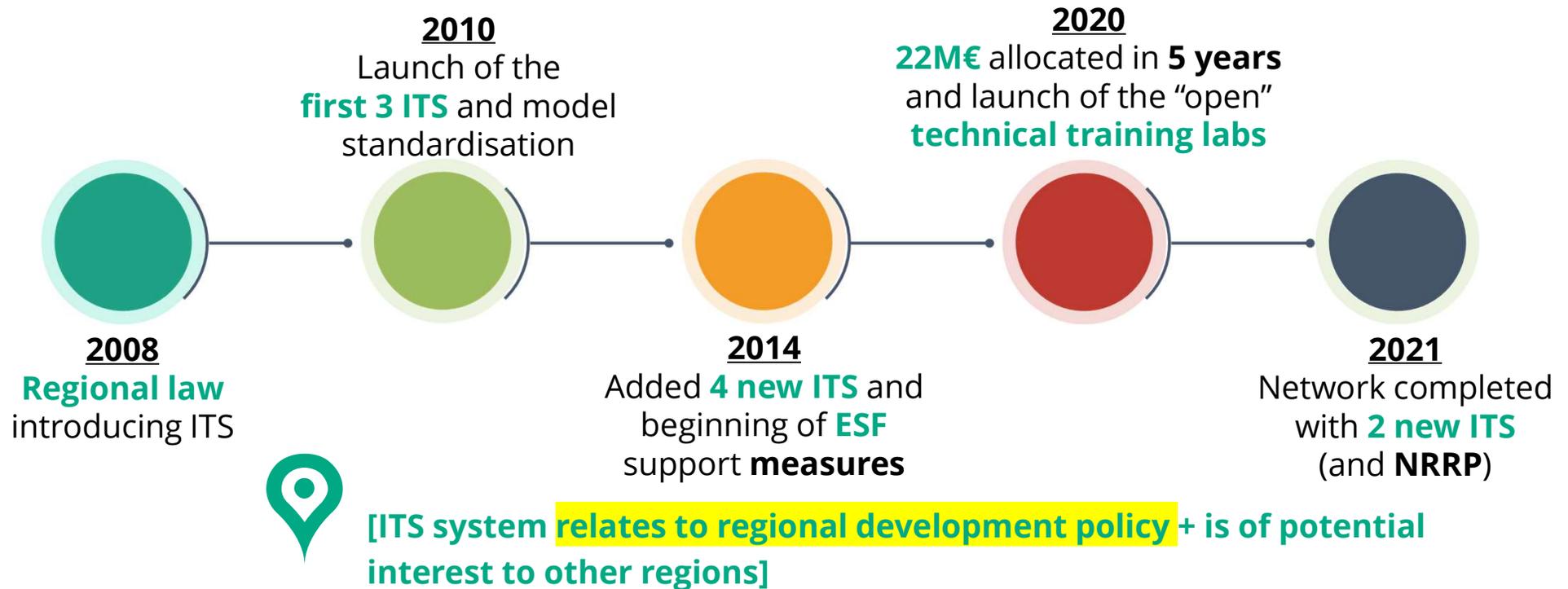
PROFESSIONAL
TRAINERS

professione
digitale
ODigi

INTERNSHIP

A growing pathway...

The implementation of the **regional network of ITS Academies**, as well as the related supporting policy measures, is a **growing path** that in the 2014-20 programming period **has completed the start-up phase**. Consolidation and further development is expected in the new 2021-2027 period, also in line with recent national strategies and the new **NRRP**.



Five success factors



[Availability of Results]

- ✓ **EMPLOYMENT** 86.5% of graduates **found a job one year after graduation**, of which **93.6%** in an area consistent with the pathway completed
- ✓ **FLEXIBILITY** ITS **partnership** is mainly **made up of companies (46.9%)**. It fosters **adaptability of the organisational models** to cope with changes
- ✓ **LABORATORIES** **Innovative teaching activities** are carried in the ITS Academy thanks to **technical laboratories** and **modern equipment** (from scratch)
- ✓ **VARIETY** The **progressive growth** of the ITS system is strengthening its capacity to offer courses: **all Tuscan ITSs now launch 5-6 courses a year**
- ✓ **MONITORING** ITS are also **monitored** and financed using **quality indicators** of **training** as well as **employment**, on attractiveness, stages, networking

Challenges faced

The implementation of the **regional ITS Academy system** - so far **completed limited to the start-up** and **first deployment phase** of the system - has so far **faced up to several challenges**, such as:

-  **Regional legislative support**
-  **Involvement of the main stakeholders** (industry, research, training, PA), set up of **alliances (Foundations)**
-  Drafting **common** implementation **protocols** and **agreements**.
Launching of the ITS Academies and ITS courses
-  Funding **support** to **technical training laboratories** and start-up



GOOD PRACTICE

-  **Still a global low rate of students despite good percentages in finding a job** due to poor knowledge of the ITS system (**cultural lack**). Lasting **perception** of the **university degree** as a socially better goal.
-  Consolidation and upgrading of **training tools: facilities** and new forms of **apprenticeship**



IN PROGRESS

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SKYLA

ITS Academies

Higher technological training policies in Tuscany

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12th June 2024 | Webinar on upskilling

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TALENT4S3

Retention and attraction of **TALENT** for a better deployment of **Smart Specialisation Strategies**

Lucila Castro Rovillard

Project Manager – FUNDECYT-PCTEX

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12 JUNE 2024 | Webinar on Upskilling workers for smart specialization strategies – SKYLA



Our **project**

Duration

Core Phase: 01/04/2024 – 31/03/2027 (36 months)

Follow-up phase: 04/04/2027 – 31/03/2028 (12 months)

Closure phase: 01/04/2028 – 30/06/2028 (3 months)

Budget

Total budget: 1.818.624,00 EUR

ERDF contribution: 1.454.899,20 EUR



Policy objective

Smarter Europe



Specific objective

Skills for S3 and industrial transition

Project **partnership**

7 Partners, 1 Advisory Partner

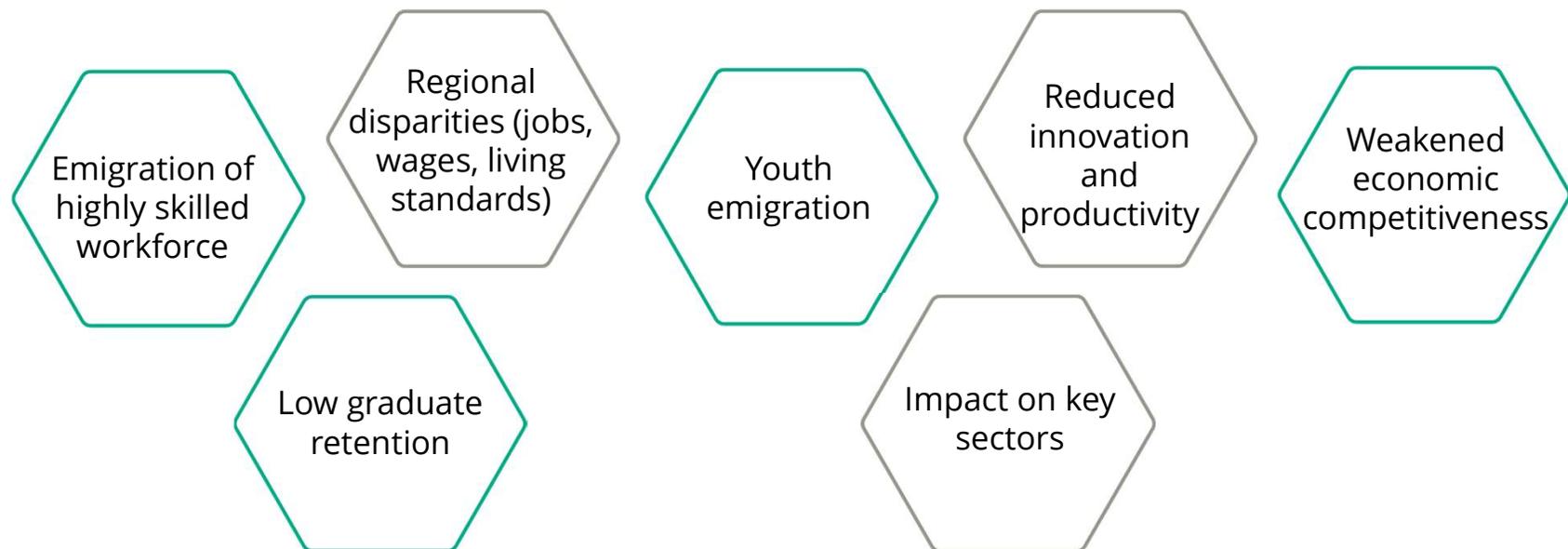
- LP01 – Foundation FUNDECYT Science and Technology Park of Extremadura (Spain)
- PP02 – Emilia-Romagna Region - Unit for Research, Innovation, European Networks (Italy)
- PP03 – North-West Regional Development Agency (Romania)
- PP04 – Regional Development Agency Podravje - Maribor (Slovenia)
- PP05 – Lapland Regional Council (Finland)
- PP06 – Lithuanian Innovation Centre (Lithuania)
- PP07 – Southern Regional Assembly (Ireland)
- AP08 – University of Groningen (Netherlands)



Issue addressed by the project

How to retain and attract TALENT?

Brain drain is considered a **common challenge** in the EU, a phenomenon suffered by many regions/countries which consists of a permanent loss of **skilled workers**.



Project **objectives**

Overall objective

Improvement of policy instruments and tools that foster the retention and attraction of **highly skilled talent** in order to give citizens equal opportunities and boost the deployment of the smart specialisation priorities of the participating regions.

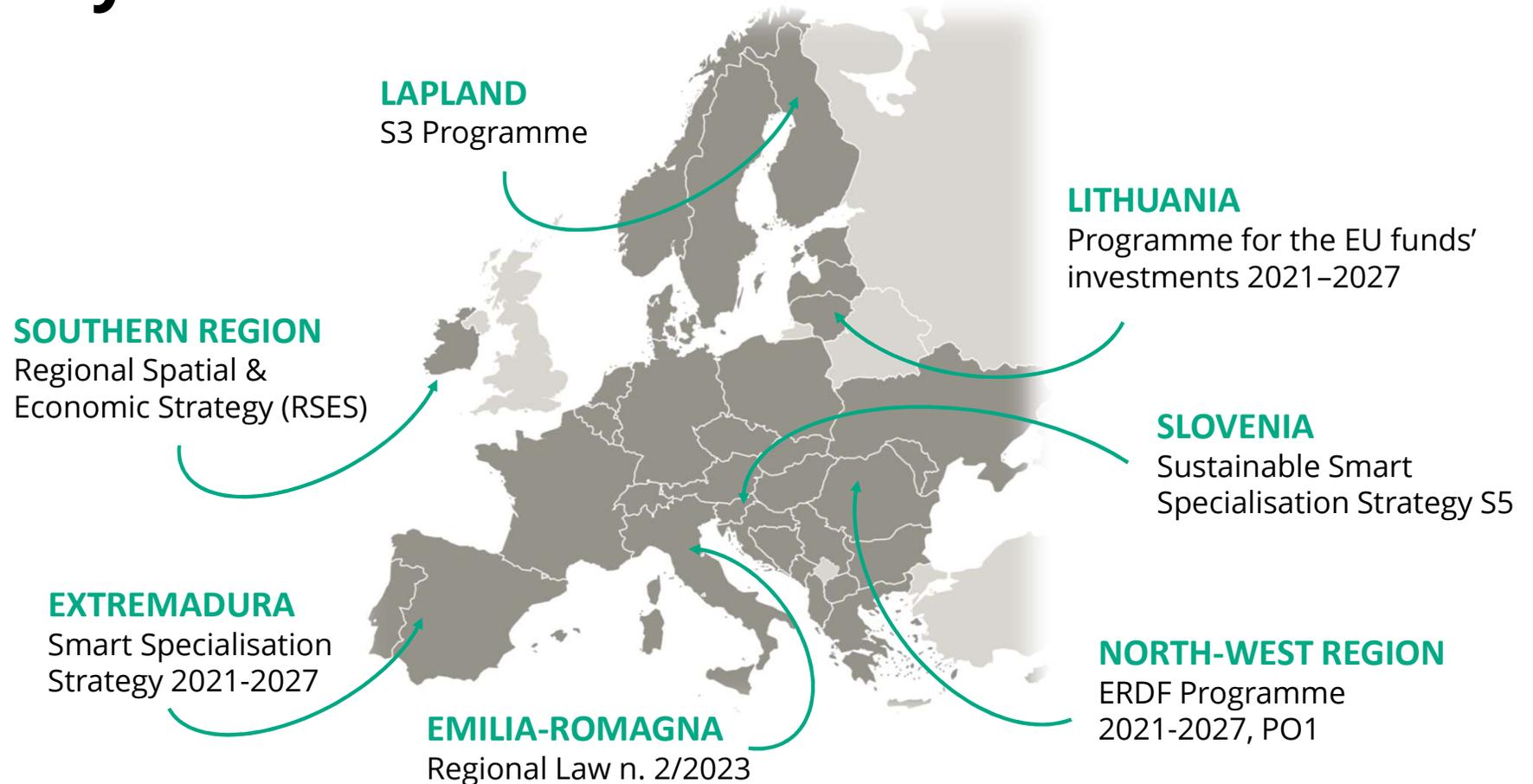
The project aims to build up the right ecosystem where innovation and training/education can deliver quality jobs and a balanced interrelation between supply and demand of highly skilled professional profiles, through...

exchange of
experiences
between
regional and
national
authorities and
stakeholders

identification
and integration
of lessons learnt
into the selected
policy
instruments

promotion of
GPs to support
public
authorities in co-
designing and
adapting policy
instruments

Policy instruments addressed



State of the Art

Objectives

- To clarify the current situation in terms of retention and attraction of talent for the development of Smart Specialisation Strategies.
- To reflect the main bottlenecks and challenges each region is facing as well as possible Good Practices (GP) to showcase.
- To highlight the main common challenges between partners, in order to further analyse possible solutions.
- To set the basis for the future exchange of experiences in order to find the best possible solutions to the problems encountered.
- Additionally, to identify possible Pilot Actions.

**Time for
questions**



Thank you!

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TALENT4S3

The project TALENT4S3 is implemented in the framework of the Interreg Europe programme and co-financed by the European Union.

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TALENT4S3

Extremadura Innovation & Talent Programme

Lucila Castro Rovillard

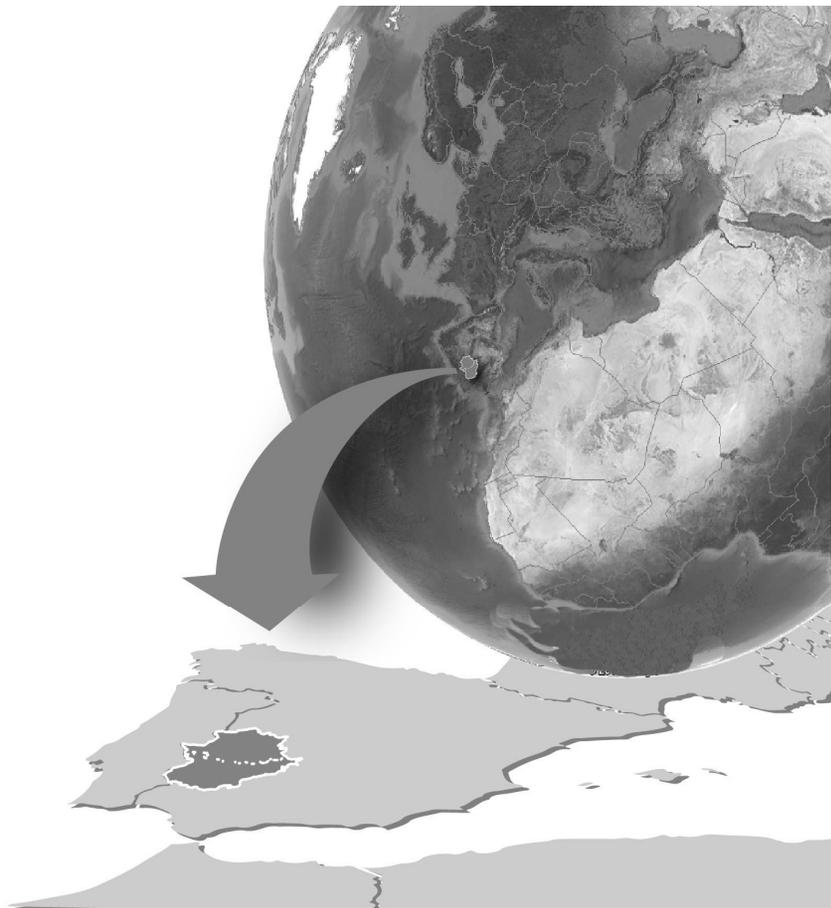
Project Manager – FUNDECYT-PCTEX

lucila.castro@fundecyt-pctex.es

12 JUNE 2024 | Webinar on Upskilling workers for smart specialization strategies – SKYLA



Regional context



Socio-economic context

- **Low GDP Per capita:** 22.531€ (2022)
Below the EU average (29,900€)
- **High unemployment rate:** 16.32% (2023)
- **99.53%** of regional enterprises are **SME**
- Regional economy strongly linked to the **tertiary sector**
Non-market services account for 26.08% of GVA
- **Less developed industry sector**, mainly related to energy, agro-industry, cork industry, textile industry and ornamental stone industry
- **Agriculture is a key economic sector:** 12.4% Share of employment in Agriculture & Mining (2021)

Regional context

Socio-economic context

- Extremadura is consider *Emerging Innovator*
- Low investment intensity in R&D – 0,70%. (2022) (15° position in the ranking by Autonomous communities of Spain)
- Strong R&D Ecosystem
- **High unemployment rates** due to the lack of a labor market capable of absorbing qualified professional profiles → have contributed to "**brain drain**".
- Relative strengths in **digital skills** and weaknesses in employment knowledge-intensive activities (regarding EU and Spain)



Innovation & Talent Programme

2014-2020 programming period



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Social Fund

The Programme

Objectives and aim

- It aims to **improve the employability of unemployed young people** through integrated training and employment actions.
- Activities linked to the change of the production model and the requirements of innovative activities in **strategic knowledge areas for smart specialisation**.
- **Targeted sectors**: agri-food, ICT, Tourism, Health, Clean Energy, Humanities and Social Sciences, as well as Green Economy, Circular Economy and Bioeconomy.

Ongoing since August 2017 when Decree 129/2017 was published. Three calls for grants have been made, in 2017, 2018 and 2020, in the previous Programming period,

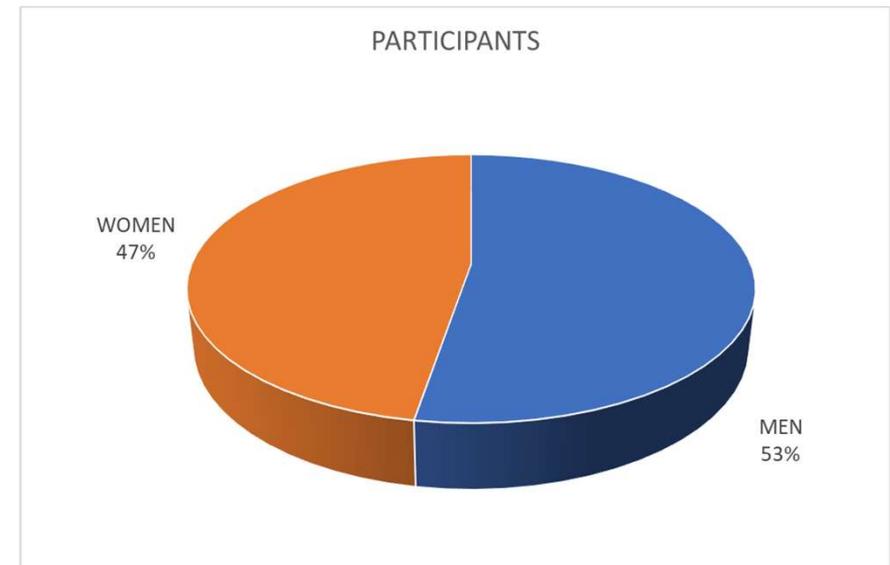
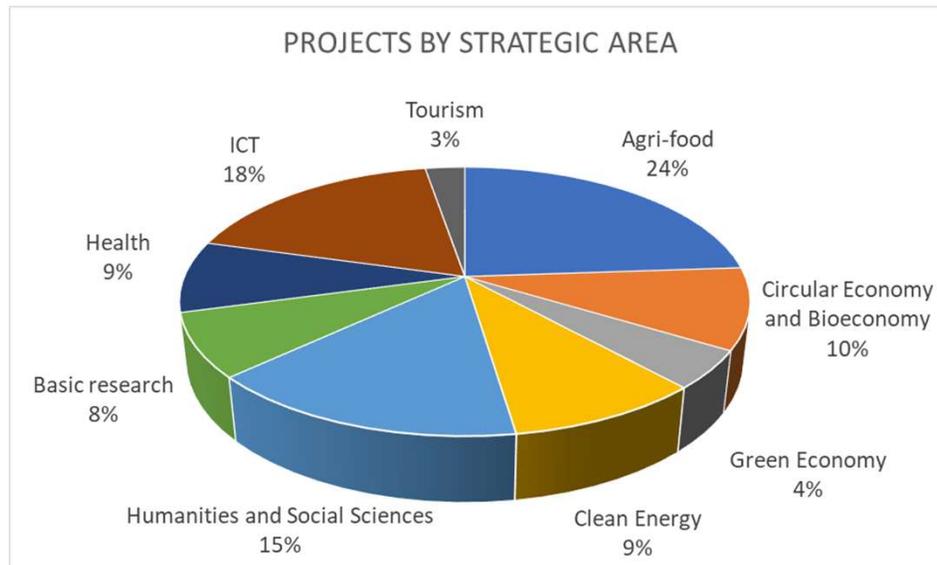
The Programme

Main characteristics

- Project duration of **9 months**
- 25% of the working day will be devoted to **training** in technology centres or at the University of Extremadura.
- **Targeted sectors**: agri-food, ICT, Tourism, Health, Clean Energy, Humanities and Social Sciences, as well as Green Economy, Circular Economy and Bioeconomy.
- At least 15 hours of training on collaborative skills or entrepreneurship.
- Implemented through a **grant**:
 - €18,315 per participant for the hiring company (subsidy for salary costs and social security).
 - €4,050 per participant for the University or R&D Centre for tutoring and training.

Innovation & Talent Programme

2014-2020 results



- 525 projects and 651 participants
- 80% of participants have had a contract in the following 12 months

2021-2027 programming period



RIS3 Extremadura 2021-2027

SO1- Strengthen the regional scientific-technological offer and orient it towards the innovation needs of companies



SO2 - Activate business investment in R&D&I and improve their capacities for smart specialisation

Strategic Line 2: aiming to qualify human capital for the R&D&I

Strategic Line 5: aims to promote and attract talent to the region and interconnect regional companies



Innovation & Talent Plus

Programme IMPROVEMENTS

Combines the **training** of graduates with **professional practice in private companies**, with the aim of facilitating the labor market insertion of unemployed young people and enhancing the capabilities of the region's talent in strategic areas.

The duration will be **12 months** (350 hours of training and the remaining time of effective work in the promoting entity that will carry out the hiring under the internship contract modality).

Costs for contracting the **training** with the training center : 4,200 €/participant

Salary costs of participants:

- 33,250 € per participant hired with a university degree during the 12 months.
- 26,600 € per participant hired with a VET degree during the 12 months.

Total **budget**: 10,7 MEUR

**Time for
questions**



Thank you!

www.interregeurope.eu/TALENT4S3

Baldoyle Training Centre

Skyla - Webinar 12/06/24



Aidan Owens
Area Training Manager

Sharon Mc Carthy
Assistant Manager



SKYLA Best Practice

Baldoyle Training Centre Course Locations

- ▶ Balbriggan
- ▶ Swords
- ▶ Blanchardstown/Mulhuddart
- ▶ Howth/Baldoyle/Malahide
- ▶ Blakes Cross
- ▶ Skerries/Rush/Lusk



Fingal Area & Baldoyle Training Centre

- ▶ Fingal area population approx. 350,000(last census)
- ▶ The Fingal area is the fastest growing area in Ireland with a very young population
- ▶ Baldoyle Training Centre work closely with Fingal Skills Strategy and SOLAS who are our funders to determine national, regional and local labour market needs

Industry Clusters Fingal

Balbriggan - Agriculture, Forestry & Fishing

Swords - Transport & Communications reflects strong aviation sector with presence of Dublin Airport in Swords

Howth & Malahide - Commerce & Trade

Blanchardstown & Mulhuddart - Manufacturing & Professional Services – specialised clusters of Pharmaceutical

Electric Vehicle Hybrid/Maintenance

Following discussions with employers in the motor sector, Baldoyle Training Centre recognised a gap in motor industry for mechanics to be upskilled in latest electric vehicle technology.



Electric Vehicle/Hybrid Maintenance - Action Plan

- ▶ Reviewed National Policy
- ▶ Reviewed Funding Policies/Mechanisms
- ▶ Identified Skills gap and a training solution to meet this gap
- ▶ Developed a Business Case for funding for the development and delivery of training through our ETB & SOLAS
- ▶ Qualification Approval sought through Institute of Motor Industry (IMI)
- ▶ Plan for Training of Trainers developed
- ▶ Plan for the Purchase of Equipment developed

Irish Government Policy

Under Irish
Government Climate
Action Plan 2023



Target set of 30% of all
private car fleet switched
to electric by **2030**

Irish Government Policy

Solas –ETB funders.
Strategic Performance
Agreement 2022-2024

Upskilling of the
Workforce

Training of apprentices

Green Economy

Irish Government Policy

Solas Strategy- Future FET :
Transforming Learning 2020-2024

Industry Relevant Facilities and Equipment: FET Maintains its relevance by ensuring it that it continues to meet the rapidly evolving needs of industry. This requires ongoing investment in modern kit, facilities and model settings to ensure a strong industry relevance to provision.

Electric Vehicle Hybrid/Maintenance Courses

Aims of Baldoyle Training Centre were to:

improve standards within industry

provide certified training

support career development and
labour market mobility

Following research the UK's Institute of Motor Industry (IMI) was selected as the most suitable certification

Utilised Skills to Advance (Govt. funding model) to boost skills of employees to futureproof their skills set to meet the changing needs of the motor sector

Training of Trainers

IMI- Level 2, 3 and 4

BSC Electric Vehicle Technology

Advanced Vehicle Diagnostics & Electrical Systems L7 Degree –
Limerick IT

OVA Electric Vehicle Master Course

Electric Vehicle Hybrid/Maintenance Course Content

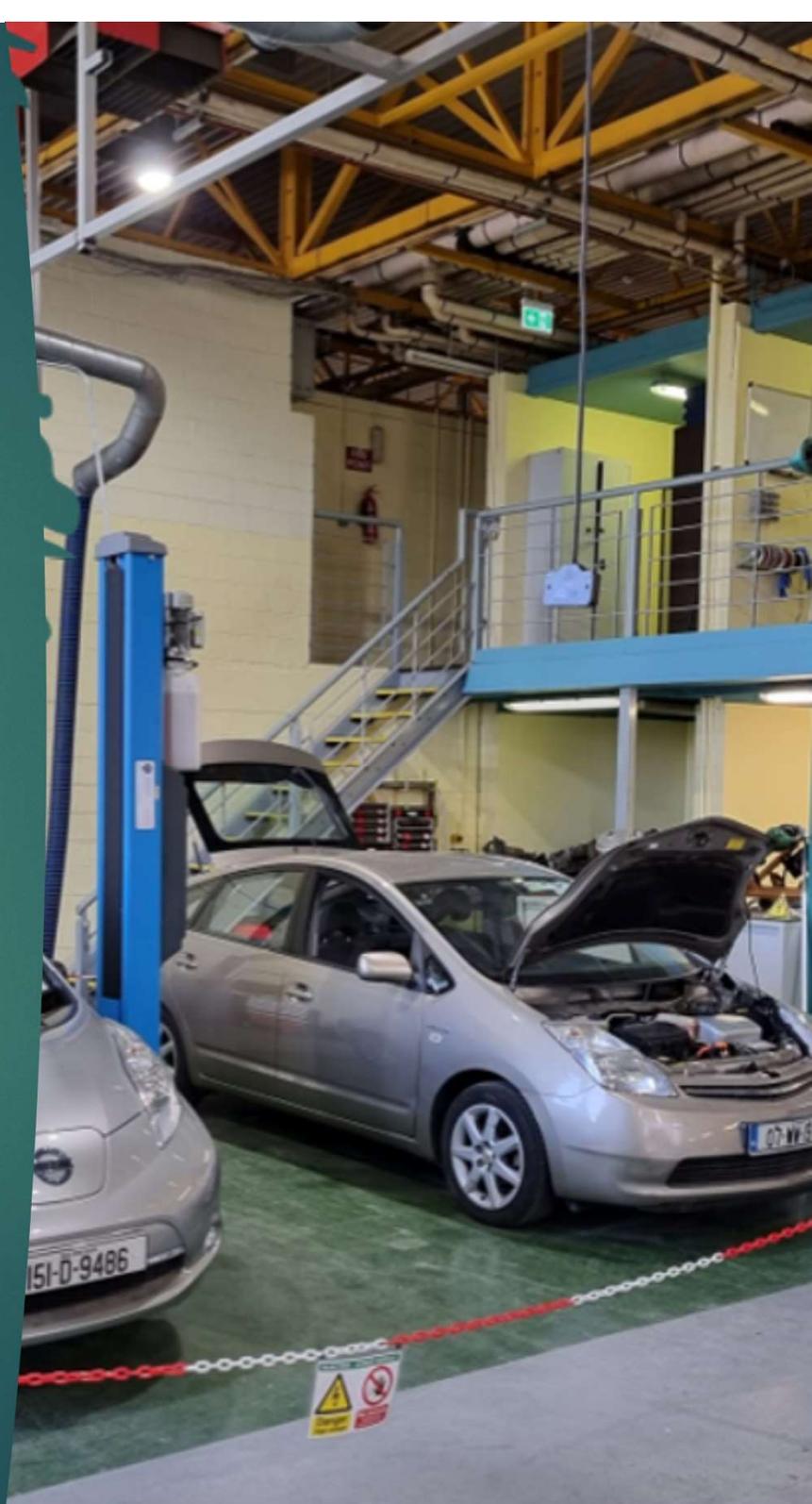
- ▶ Understanding the hazards surrounding Electric/Hybrid vehicles
- ▶ Hybrid system components and operation
- ▶ Working safely on hybrid and related vehicle systems
- ▶ Reducing the risks to yourself and others when working on Electric/Hybrid vehicles



Electric Vehicle Hybrid/Maintenance Course Content contd../

- Safely prepare vehicle for carrying out routine maintenance on Electric/Hybrid vehicles (not High Voltage components or systems)
- Course is run over 3 full days in Baldoyle Training Centre

***Certification : (IMI) International Level 2
Award in Electric/Hybrid Vehicle Routine
Maintenance Activities - INT-EHVRM2-A)***



Electric Vehicle Hybrid/Maintenance Course

Quote from Course Instructor on the course

It's a practical course and its main aim is to make sure motor professionals can work safely with electric and hybrid vehicles. It's been great to be able to deliver this course, knowing it could prevent someone from getting hurt in the future."



Electric Vehicle Hybrid/Maintenance Course

Testimonial from an Employee from Tara Mines Company

Thank you for an extremely well put together, interesting course and would highly recommend it to my crew in work and other work colleagues. Hopefully, we can stay in touch and that you will keep me updated on any progress regarding the level 3 course for Electric/Hybrid vehicles. Once again thank you for the excellent level 2 course, Tara Mines employee

Award Level

Level 1 Award in
Electric/Hybrid Vehicle
Awareness INT-EHV1-A

Level 2 Aware in
Electric/Hybrid Vehicle
Routine Maintenance - INT-
EHVRM2-A

Level 3 Aware in Electric/Hybrid
Vehicle System Repair & Replace –
INT-EHVS3-A

Training Aimed at

Managers, valeters,
sales advisor, event
staff, vehicle recovery
personnel, vehicle dismantlers
etc..

Vehicle maintenance and repair
technicians

Maintenance and repair
technician

Content

Knowledge of the dangers
surrounding electric/hybrid
vehicles (all variations) and
the precautions to avoid
potential injury

Knowledge and skills required
to work safely on
Electric/Hybrid vehicles whilst
carrying out routine
maintenance and repair
activities (not voltage
components or systems).

Level 3 focusses on the
knowledge and skills required
to work safely on
Electric/Hybrid vehicles whilst
carrying out diagnostic,
testing and repair activities.

Electric Vehicle – Next Steps

Baldoyle are now offering follow-on certification - Level 3 programme, IMI International Level 3 Award in Electric/Hybrid Vehicle System Repair and Replacement (INT-EHVS3-A) Level 3

Course Content :

- ▶ Provides the learner with the skills and core knowledge & ability to remove and replace electric/Hybrid High Voltage components.
- ▶ Greater understanding of hybrid drive systems, High voltage battery, monitoring of management systems and emachine/ electric motors and their control circuits.



Next Steps working with Local Businesses

Course is now offered to industry directly as a number of garages have approached the Training Centre wanting to release staff to attend

Plans for 2024

Level 1 Awareness is planned as an introduction to Industry

Level 4 IMI Award is new development and planned for 2024



Electric Vehicle Hybrid/Maintenance Courses - Stakeholders & Companies

