



**Interreg  
Europe**



European Union | European Regional Development Fund

# **Policy Learning Platform**

**WS Helsinki – 22<sup>th</sup> November 2022**

**DIHs & demonstrators supporting the digital  
transformation and the competitiveness of European**

**business**

**Wallonia**



The Walloon experience:

from demonstrators 4.0 to the  
“certificate in operational  
excellence 4.0”

# What is the situation in Wallonia?

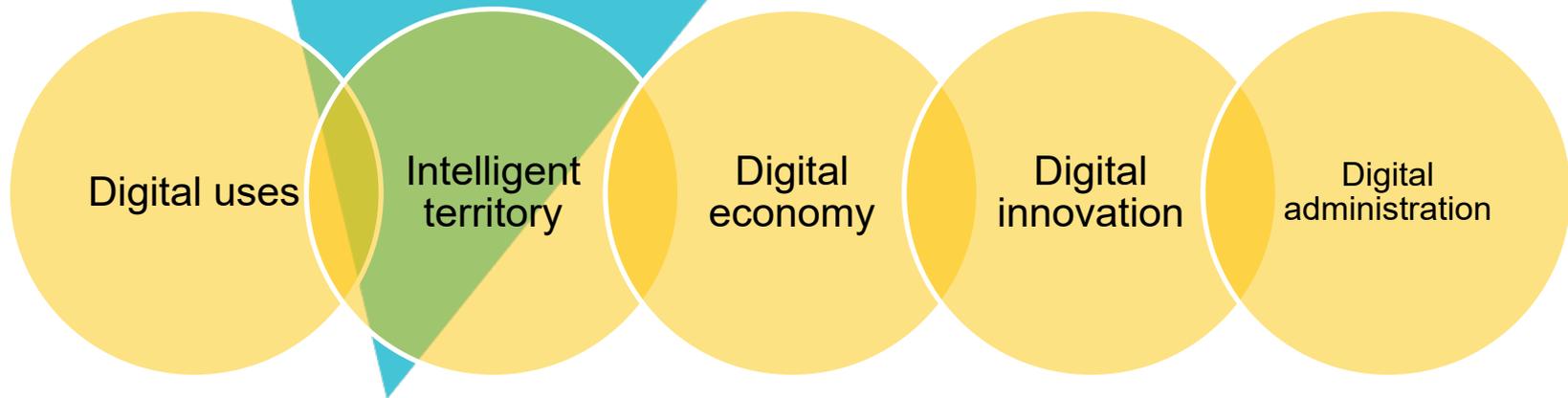
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## Main strategy : Digital Wallonia

Launched in December 2015, it has been updated in 2018 and 2022, integrating in Europe's digital priorities and the resources made available under the Walloon Recovery Plan.

Its main objectives are to create a structuring regional framework for digital policies such as : raising awareness of managers on digital industry challenges (in particular for manufacturing SMEs), Upskilling of workers & managers, involvement & training program for trainers & consultants

The Digital Wallonia strategy (V3) is declined in five major ambitions:



# What is the situation in Wallonia?

Wallonia developed since 2015 a **support programme** for manufacturing businesses in their transformation into the industry of the future.



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The manufacturing industry in Belgium is facing some of the greatest challenges in its history.

The Made Different programme turns these challenges into real opportunities. How? By using **7 key changes** that transform business into an authentic **Factory of the Future**.

« Made Different » also plays the role of **Regional DIH** and is based in Namur



# What is the situation in Wallonia?

Wallonia is also involved in « 4.0Ready » project which aims to strengthen the capacity of SMEs to engage in Industry 4.0 & to develop the digital skills of workers



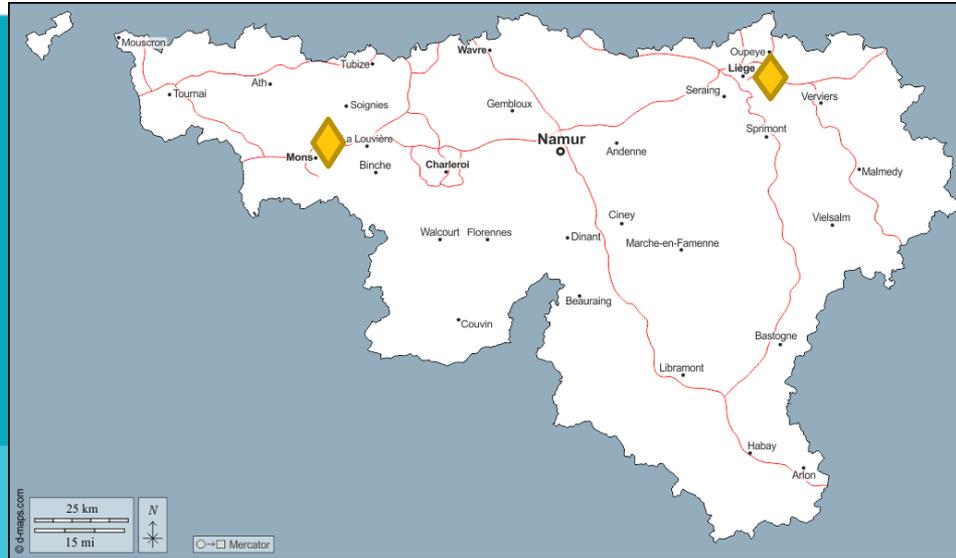
- Focus put on GP “demonstrators 4.0”
- The project has also made it possible to achieve a “Prospective analysis on the development and skills needs for Industry 4.0 in Wallonia”
- Regional Action Plan
  - \* Focus on improvement of Demonstrators 4.0 (funded by ERDF) → action 1
  - \* Focus on including human aspects in digital transformation plans → action 2

Wallonia Partner The logo for the Wallonia employment and training agency (SPW). It features a red silhouette of a rooster, a symbol of Wallonia, to the left of the text "Wallonie emploi formation" in red and black, with "SPW" in black below it.

Stakeholders : Digital Agency, Competences Centers, Technology Industry Sector Association, Cluster, Regional Administration, Regional Employment Agency...

**Perspective** → develop synergies between tools, strategies, ERDF invests 2021-27

# From Demonstrators 4.0...



**TECHNO**campus

LES TALENTS DU FUTUR

**CoVE based in Mons & Gosselies**

**Technology : smart mini-factory  
SIF 400 with 10 working stations**



**TECHNIFUTUR**<sup>®</sup>  
CENTRE DE COMPETENCES

**CovE based in Liège**

**Technology : smart mini-factory  
CP Factory with 9 working stations  
& 3 cross-cutting operations**

# How does it work ?

The demonstrators take the form of two complete "turnkey" workshops, reproducing a production line equipped with I4.0 technologies in a didactic approach for a quick and easy handling.

**Main goals :** Awareness & Training

**Target audience :**

- High schools & Universities
- Technical Education (secondary level)
- Jobseekers
- Workers



# Results of 2022

## TechnoCampus

Target	Nb People	Dedicated hours	Activity
Education	163	1184	Training « Industry 4.0 discovery »
Jobseekers	6	156	Training « Production Operator »
Companies	12	48	Awareness « Industry 4.0 »

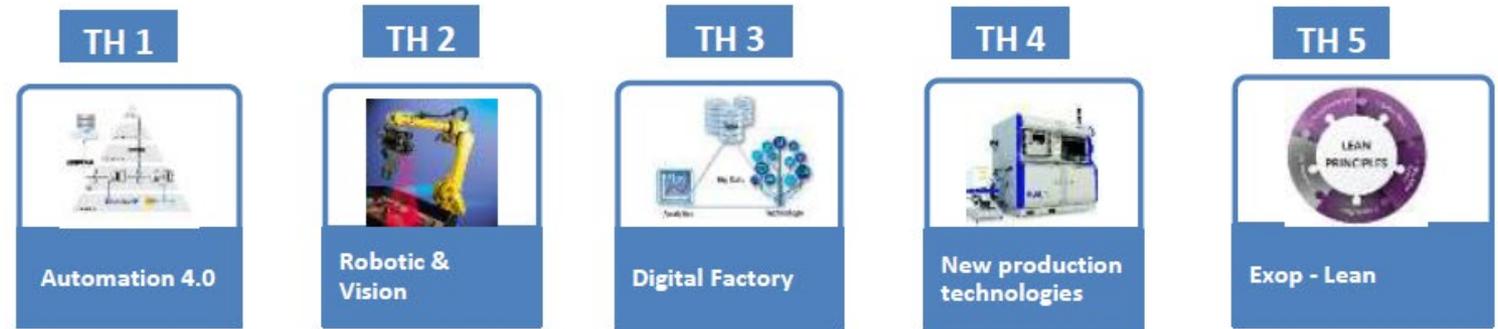
## Tecnifutur

Target	NB People	Activity
Education	239	Training
Jobseekers	26	Training
Companies	163	Awareness
Company Discovery Day	532	Awareness

**Center of Excellence**



Current roadmap



- Awareness
- Level 1
- Level 2
- Level 3

Awareness	T	T E D	T	T E D	T E D
Level 1		T		T	T
Level 2		T			
Level 3					

T : Workers  
E : Education  
D : jobseekers  
L1 : Basics  
L2 : Deepening  
L3 : Expert

# Beginning of a Walloon ecosystem

Develop and train ecosystems around the 4.0 demonstrators to accentuate the complementary work between actors

**Awareness-raising**

**AGORIA**



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**In-company diagnostics – Accompaniment**



**Industrial testing – Guidance**



**Awareness-raising & Trainings**



# Proposed improvements for Demonstrators 4.0

- For the 2021-2027 programming period, it is planned that the structural funds (ERDF) will support up to €300,000 (€ 300K) of **investment in equipment complementary to the "4.0 Demonstrators"** with the aim of opening up the educational demonstrators even more widely to a large public of users in the territory while **reinforcing the training offer towards the concept of the global mini-factory.**
- These new equipments will allow our CoVEs to train production operators and maintenance operators in 4.0
- This investment is also part of our desire to support the development of a broader ecosystem around "Demonstrators 4.0".

# ...to the Certificate in Operational Excellence 4.0

Last achievement to complete the approach to reach  
**an open and inclusive eco-system for businesses & staffs**

==> collaboration between 1 cluster & 2 CoVEs



Operation financed by « Factory 4.0 » project

# Certificate in Operational Excellence 4.0

## \* What's on offer for participants → 7 + 2

Each CoVE organises a 7-day training cycle with presentations, examples, exercises, company visits, testimonials, experts and 4.0 entrepreneurs.

Following the training, a 2-day coaching session is planned with experts.

## \* For which target ?

SMEs' staff that want to establish an operational excellence roadmap by combining lean and digital methodologies.

## \* What do the participants get out of it?

- Meet SMEs with SME resources, on a human scale, for whom it worked!
- Concrete results with practical input from experts in the field.
- Visits and testimonies from companies that host the groups, and that have implemented the concepts. Exchange of successful experiences!
- Round table discussion to address the specific challenges of the participating companies. Group of max 12 participants.

# Certificate in Operational Excellence 4.0



## TechnoCampus' programme

DAY	Date	Thematic	with
1	16/06/2022	HOW TO REDUCE YOUR LEAD TIMES AND INCREASE YOUR REACTIVITY?	SONACA
2	28/06/2022	HOW TO DIGITISE YOUR INDUSTRIAL PROCESSES TO REDUCE COSTS?	JTEKT
3	08/09/2022	HOW TO SELL MORE AND/OR AT A BETTER MARGIN?	LEPAGE
4	29/09/2022	HOW TO INCREASE PROFITABILITY THROUGH ERP AND THE DIGITALISATION OF ADMINISTRATIVE CIRCUITS AND LINKS TO PRODUCTION?	SWDE
5	20/10/2022	HOW TO REDUCE THE COSTS OF NON-QUALITY AND MOVE TOWARDS "ZERO DEFECTS"?	AW Europe
6	10/11/2022	HOW TO USE A DEMONSTRATOR AND A MINI FACTORY TO TAKE ACTION?	TechnoCampus
7	24/11/2022	HOW TO EMPOWER AND EVOLVE YOUR HR TO DRIVE CONTINUOUS IMPROVEMENT?	LUTOSA

**Brevet en Excellence Opérationnelle 4.0 - TechnoCampus**

# Certificate in Operational Excellence 4.0

## Technifutur's programme

DAY	Date	Thematic	with
1	26/10/2022	HOW TO EMPOWER AND EVOLVE YOUR HR TO DRIVE CONTINUOUS IMPROVEMENT?	ELNEO
2	09/11/2022	HOW TO REDUCE THE COSTS OF NON-QUALITY AND MOVE TOWARDS "ZERO DEFECTS"?	EURYSIS
3	01/12/2022	HOW TO INCREASE PROFITABILITY THROUGH ERP AND THE DIGITALISATION OF ADMINISTRATIVE CIRCUITS AND LINKS TO PRODUCTION?	BEA Sensors
4	03/12/2022	HOW TO REDUCE YOUR LEAD TIMES AND INCREASE YOUR REACTIVITY?	MOCKEL
5	12/01/2023	HOW TO DIGITISE YOUR INDUSTRIAL PROCESSES TO REDUCE COSTS?	SPADEL
6	02/02/2023	HOW TO USE A DEMONSTRATOR AND A MINI FACTORY TO TAKE ACTION?	TECHNIFUTUR
7	23/02/2023	HOW TO SELL MORE AND/OR AT A BETTER MARGIN?	JUMO

**Technifutur® - FORMATIONS - CERTIFICAT EN EXCELLENCE  
OPERATIONNELLE 4.0**



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# Thank you for your attention

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