

9 June 2021

Welcome to 3rd ICC City Lab

We will get started at 13:30 CET

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9 June 2021

3rd ICC City Lab

Thematic Workshop on Thematic workshop session on Reskilling



European
Commission

The Intelligent Cities Challenge is funded by COSME, the EU programme for the Competitiveness of Enterprises and SMEs

13.30
—
13.35

Welcome

Niels van der Linden, Capgemini,
Thematic Network Coordinator



Video and audio from this ICC meeting will be recorded and might be made publicly available or shared with other ICC participants and support staff.



Housekeeping rules



All participants except speakers and moderators **will be muted** by default



If you are not a speaker, please **turn off your video**; if you would like to only see the speakers on the screen, **please select stage/format under layout**



Feel free to **post your questions to the speakers** through the **WebEx chat** or by **emailing us** (helpdesk_icc@technopolis-group.com)



Should you face a technical issue, please **contact the WebEx host or co-hosts via the chat or helpdesk**



The **plenary sessions will be recorded** - please **turn off your camera** if you do not want to be recorded





Agenda Thematic Workshop Re-skilling

9th June 2021

13.30 – 13.35

Welcome by Niels van der Linden

13.35 – 13.45

Haskovo's pledge to the Pact for Skills by Vanya Hristova and Valentin Spendzharov, City of Haskovo

13.45 – 14:40

Designing tailored re-skilling initiatives

- **Presenting the Guide to support reskilling initiatives in cities**
- **Aarhus – enabling the green transition: reskilling unemployed for green companies**
- Angelika Marning and Anne Marie Frederiksen
- **Cross-city collaboration in ICC: Derry/Londonderry and Pori**
- Saverio Romeo and Pirita Ihamäki

14.40 – 14.55

Future of Work in Europe by Tilman Tacke, Partner McKinsey Global Institute

14.55 – 15.00

Closing

13.35

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13.45

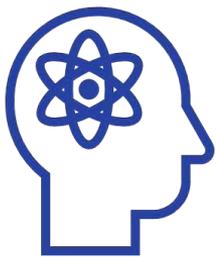
Haskovo's pledge to the Pact for Skills

Vanya Hristova and Valentin Spendzharov,
City of Haskovo



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Upskilling and
reskilling

ICC City lab

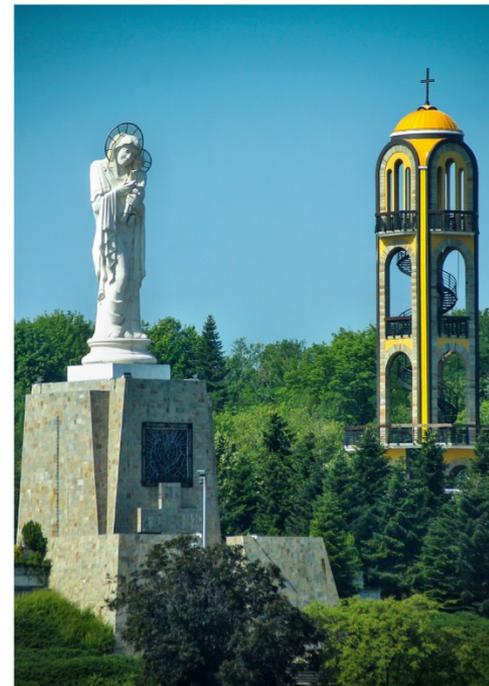
09/06/2021

Intelligent Cities
Challenge



PACT FOR SKILLS

HASKOVO
BULGARIA



HASKOVO, BULGARIA

HASKOVO

MUNICIPALITY GUIDE

Region	Haskovo	Time Zone	Eastern European (UTC+2)
Population	85 460	Climate	Temperate-continental
Area	740 sq. km	Mayor	Stanislav Dechev



HASKOVO, BULGARIA

Location

Haskovo is a regional city located in Central Southern Bulgaria, part of South-Central planning region.

Transport accessibility

Four international transport corridors (Nr. 4, 8, 9, 10) pass through the territory of Haskovo: Maritsa motorway (A4), first-class roads: transport corridor "Europe - Asia".

Scope

The municipality covers 37 settlements - 1 town and 36 villages.

Green Spaces

There are over 150 gardens and parks to explore in Haskovo. One of this is Yamacha Hill Park, where you will find the world's highest statue of the Blessed Virgin Mary with the Child.

HASKOVO, BULGARIA

Strategic

The city closeness (proximity) to the borders with Greece and Turkey /about 60 km/, determines its key and favourable geographic location.



Business

Machine building for the food industry is a major part of the local economy. Other strong sectors are textiles, the chemical industry and the manufacture of food and beverages.



PACT FOR SKILLS



PACT FOR SKILLS



The motivation in signing the Pact



Efforts of the ecosystem



Benefit to the people, the business and the city



Support from ICC – advices on concrete ways to implement skills development



Your questions

Designing tailored re-skilling initiatives

- Presenting the Guide to support reskilling initiatives in cities
- Aarhus – enabling the green transition: reskilling unemployed for green companies
- Cross-city collaboration in ICC: Derry/Londonderry and Pori

13.45

–

14:40

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Presenting the Guide to support reskilling initiatives in cities

Niels van der Linden, Capgemini,
Thematic Network Coordinator



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A pragmatic guide to skilling initiatives in cities

Niels van der Linden (Capgemini Invent)

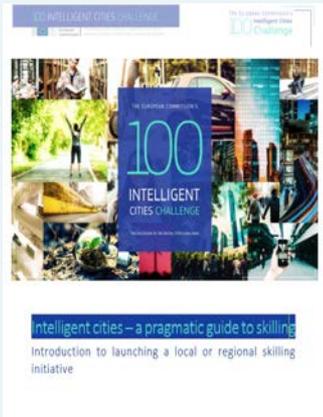


Objective of re-skilling in ICC

- **Prepare cities for transformation** – a practical guide with examples to design a reskilling strategy & information on funding opportunities
- **Support implementation to create impact** – on the ground advise for city employees to advance their design of a reskilling strategy (including data-insights, operational support, and training modules)
- **Mobilise the community** – both within the local ecosystem as across cities to grow a network of excellence on skills

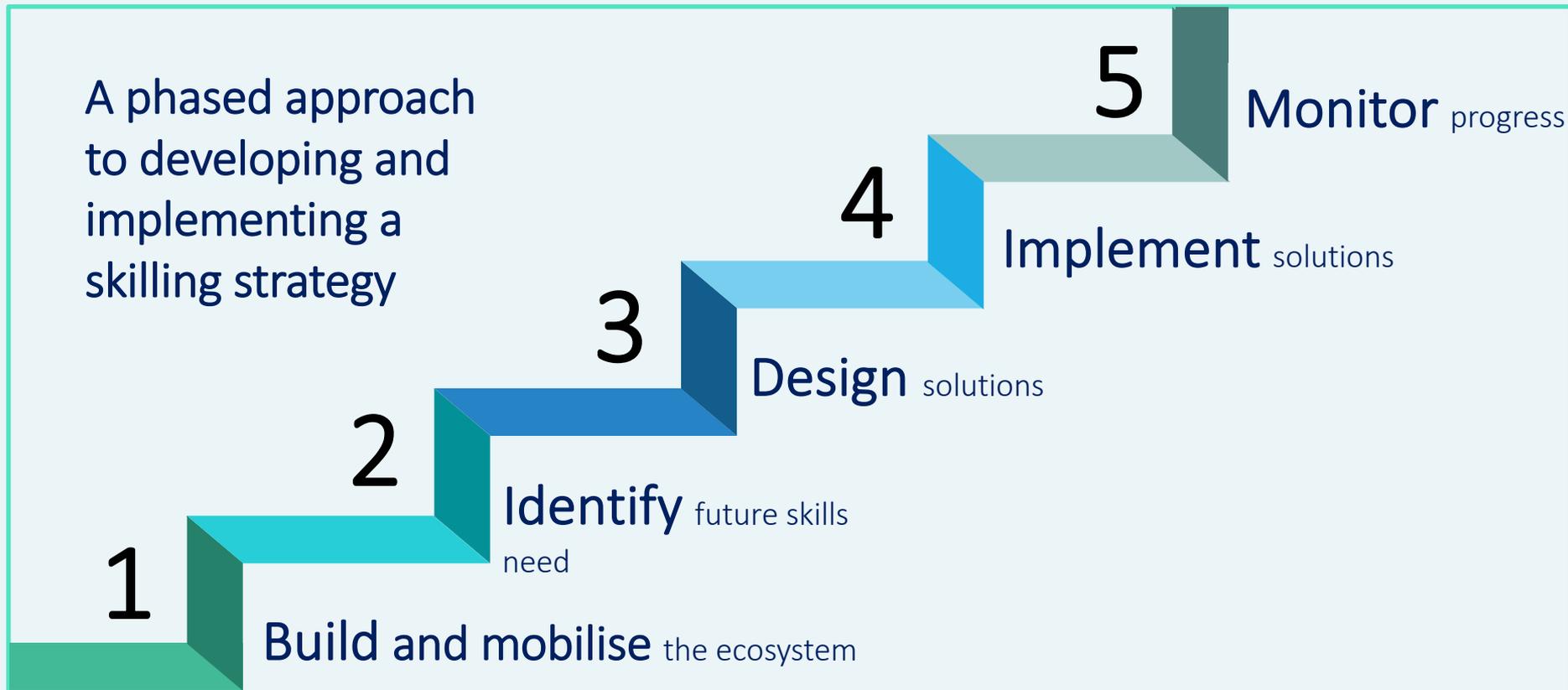
A pragmatic guide to support cities' skilling initiatives

Investing in skilling and implementing a skilling revolution must be viewed as a **critical investment** for governments, industry, and education institutions alike. Some cities and regions have already taken important steps and made **significant progress** towards fulfilling their skilling agenda. Other cities are at the **beginning of their skilling journey** and can learn from front-runners. This guide is an introduction to launching a local or regional skilling initiative, and supports cities and regions with:



- A phased approach to developing and implementing a skilling strategy
- Description of these phases
- 20+ Good practices
- Lessons learned from practice
- Key success factors
- Tools and instruments
- Funding models and opportunities

A phased approach
to developing and
implementing a
skilling strategy



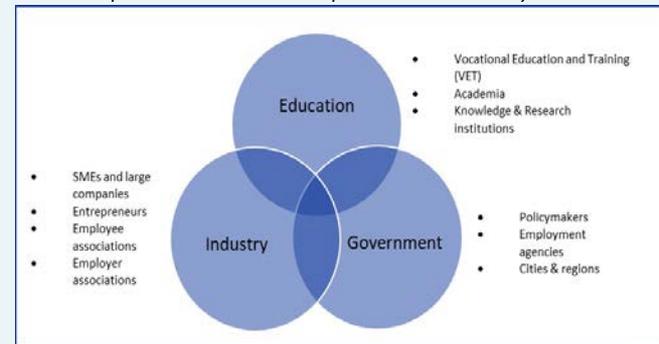
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As example: *Phase 1: Build and mobilise the ecosystem*

- What is a skilling ecosystem and why is it important?
- Key actors and their responsibilities
- Considerations in developing the skilling ecosystem
- Tools and instruments
- Maturity phases in ecosystems
- Best practices for building a sustainable ecosystem

The Triple Helix relationships in a skills ecosystem



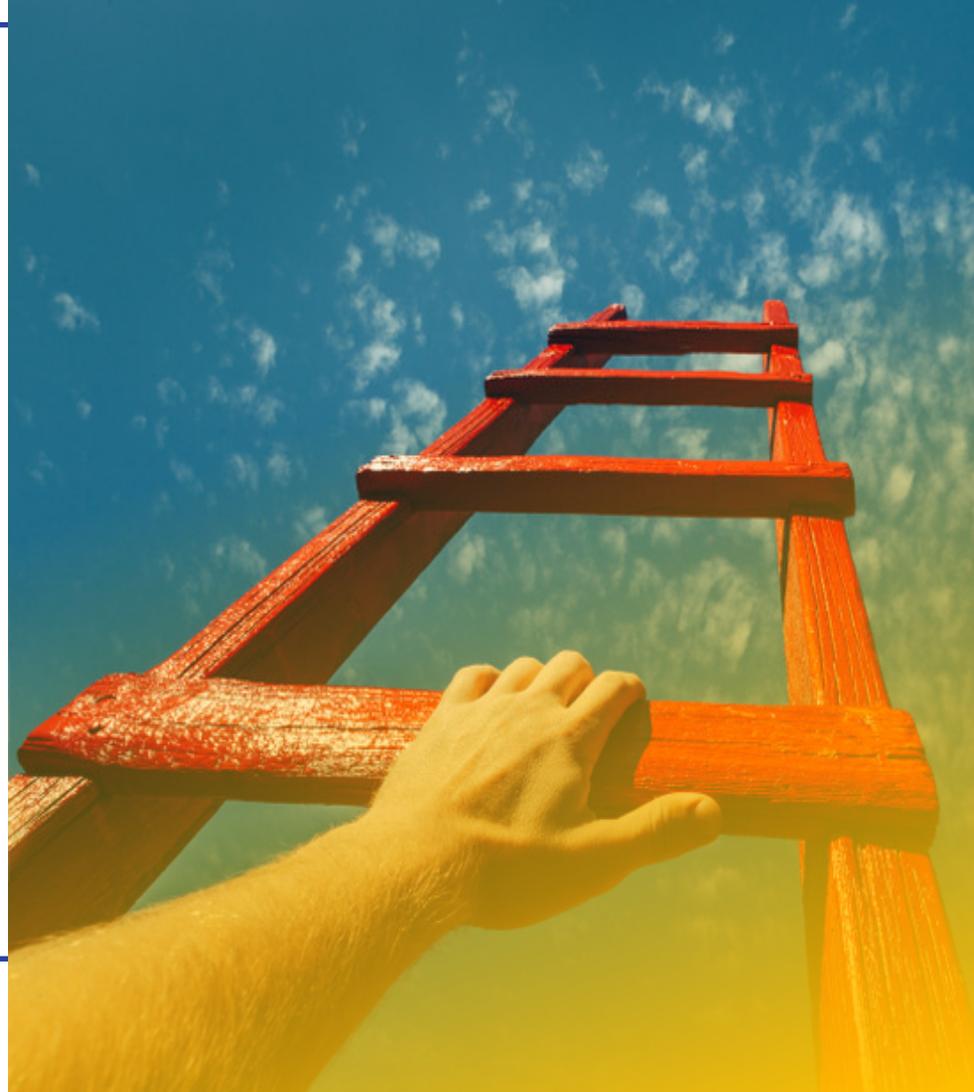
Maturity phases in ecosystem building



With local and regional examples of skills initiatives, such as:



With the reskilling track in ICC, we aim to initiate cross-city collaboration to support cities' journey to successful skilling strategies



Aarhus – enabling the green transition: reskilling unemployed for green companies

Angelika Marning and Anne Marie Frederiksen, City of Aarhus



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Green jobs for vulnerable unemployed – an example from Aarhus

Anne Marie Frederiksen
Angelika Marning

Rummelig imidt:

A European-Socialfond project



in the region of Central Denmark

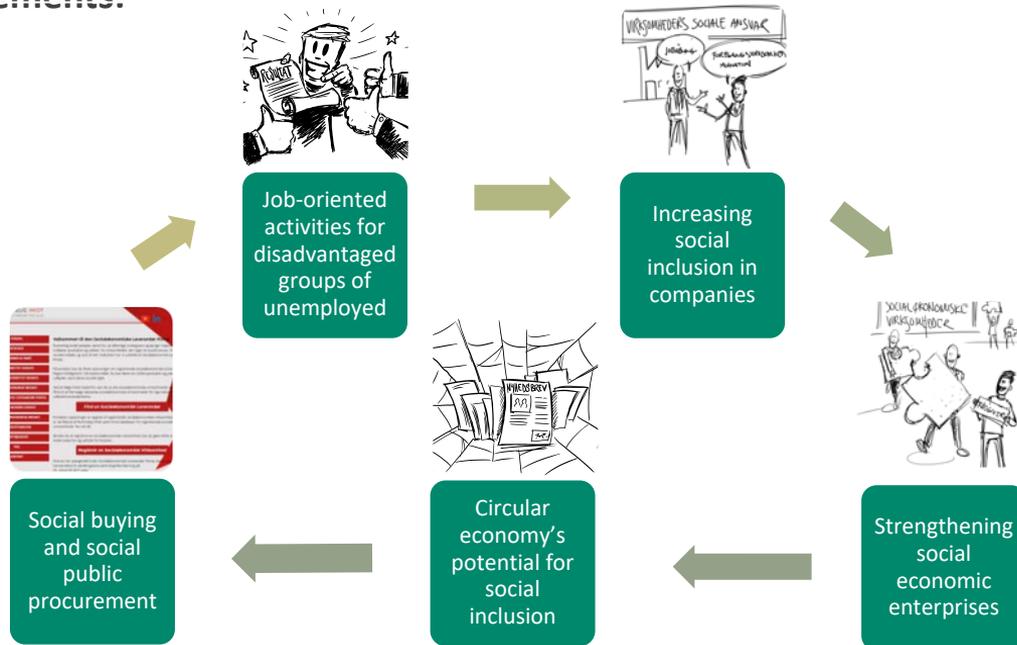
Period: **2016-2021**

Finance: **EU Socialfond, regional authorities and local municipalities**

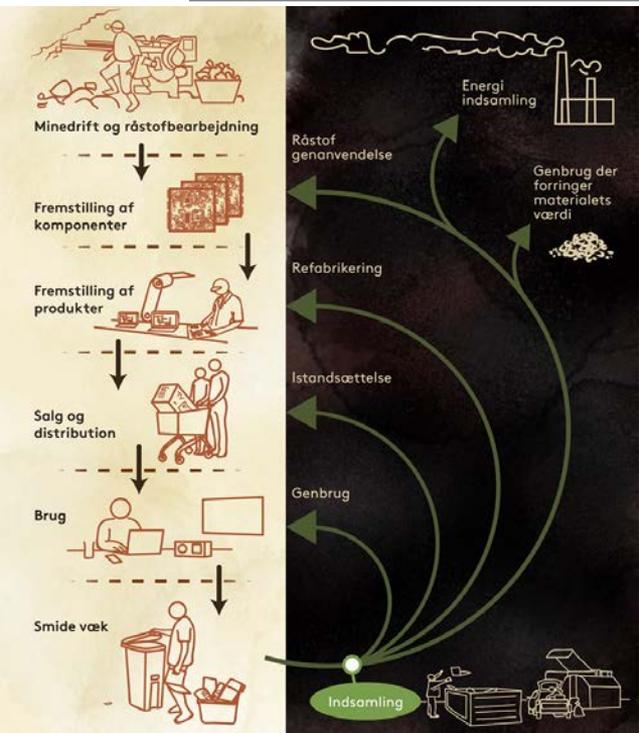
Main objective:

- **Increase social inclusion by developing new pathways into the labor force for people outside or at the edges of the labour market**

Key elements:

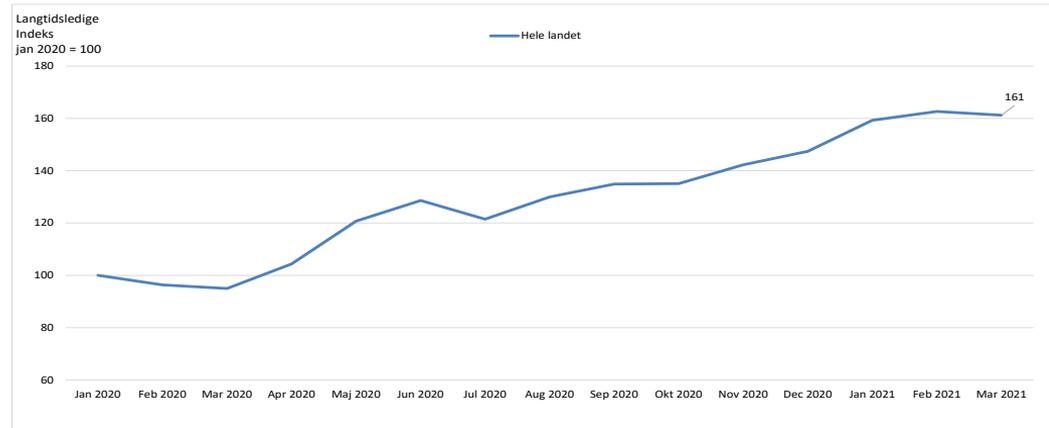
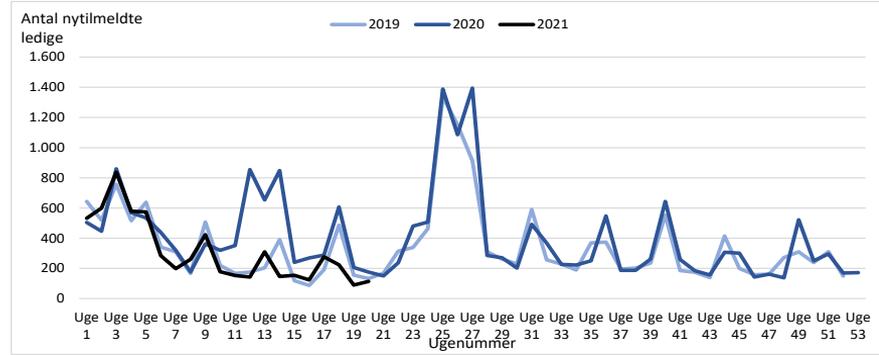


Employment potential in circular economy



Post Corona – numbers and tendencies

In general:
Positive
Development
BUT: numbers of
Long-term
unemployed growing
– 20 % higher than
before Corona



Domen - Citylife House



Method:

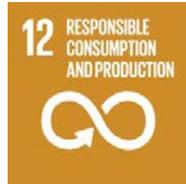
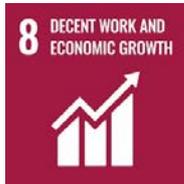
- Using the "green topic" to engage and activate
- Using the inclusive environment to create sustainable solutions for vulnerable unemployed
- Creating a bridge between "green unemployed" and "green companies"



What kind of Skills?

Learning by doing

Training courses in sustainability and circular principles in the kitchen, Cafe and garden



Presenting the Guide to support reskilling initiatives in cities

Saverio Romeo, Lead expert of city of
Derry/Londonderry

Pirita Ihamäki, Advisor at city of Pori



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The European Commission's
**100 Intelligent Cities
Challenge**

PORI



Derry City & Strabane
District Council
Comhairle
Chathair Dhoire &
Cheantar an tSrátha Báin
Derry Cittie & Strábane
Destrict Council

ROBOCOAST



Prizztech



Cross-City Collaboration in ICC - Derry and Pori

Pirita Ihämäki PhD. Liaison Manager, Robocoast eDIH/City of Pori
(Finland) and Saverio Romeo, Lead Expert Derry/Londonderry
ICC Team



Table of Content

- Intelligence Cities Challenges – City of Pori vitality program
- City of Pori creating The Satakunta Skills and Data Management Ecosystem – exchange knowledge between cities good practices
- Robocoast EDIH Consortium
- Robocoast Vision
- ICC Derry/Londonderry overview
- Pori/Derry Collaboration on Industry 4.0 skills

PROUD TO BE PART OF THE

100 INTELLIGENT
CITIES CHALLENGE
THE SUCCESSOR TO THE DIGITAL CITIES CHALLENGE



Intelligent Cities Challenge - City of Pori vitality program

- The Pori vitality program implements and concretizes the city's strategy and visions. The program includes the most important measures and goals aimed at improving vitality until the year 2025. The main themes of the City of Pori vitality program are:
- Competitive and successful companies
- Skilled workforce
- Good accessibility
- Effective lobbying



Demand driver commitments Pori

National, regional or local partnerships

- Intelligence Cities Challenge,
- Local ecosystems
- Integration good practices with own ecosystems
 - 1) Green Growth ecosystem (Prizstech)
 - 2) Robocoast EDIH (Prizstech)
 - 3) RoboAI (SAMK & UCPori)
 - 4) Satakunta's maritime cluster (SAMK)
 - 5) WANDER Nordic Water and Material Institutes (SAMK)
- Creating Satakunta Skills and Data Management ecosystem

Sector Skills Alliance

- Sectoral cooperation
- Design of Pori WBL-model (work-based learning)
- In the new Erasmus+ open to all industrial local ecosystems

Support from the City of Pori

The Satakunta Skills and Data Management Ecosystem

Support in finding local and international partners

Webinars, seminars, and peer learning activities

Information on projects, tools, instruments and best practices

Facilitation of exchange between the knowledge international/regional authorities

Upskilling and reskilling for City of Pori

Promoting a culture of lifelong learning for all (for example, famous people from Pori will be used to promote a lifelong learning campaign)

Building strong skills partnerships with relevant stakeholders in locally

Monitoring skills supply/demand and anticipating skills needs for example municipal experiments



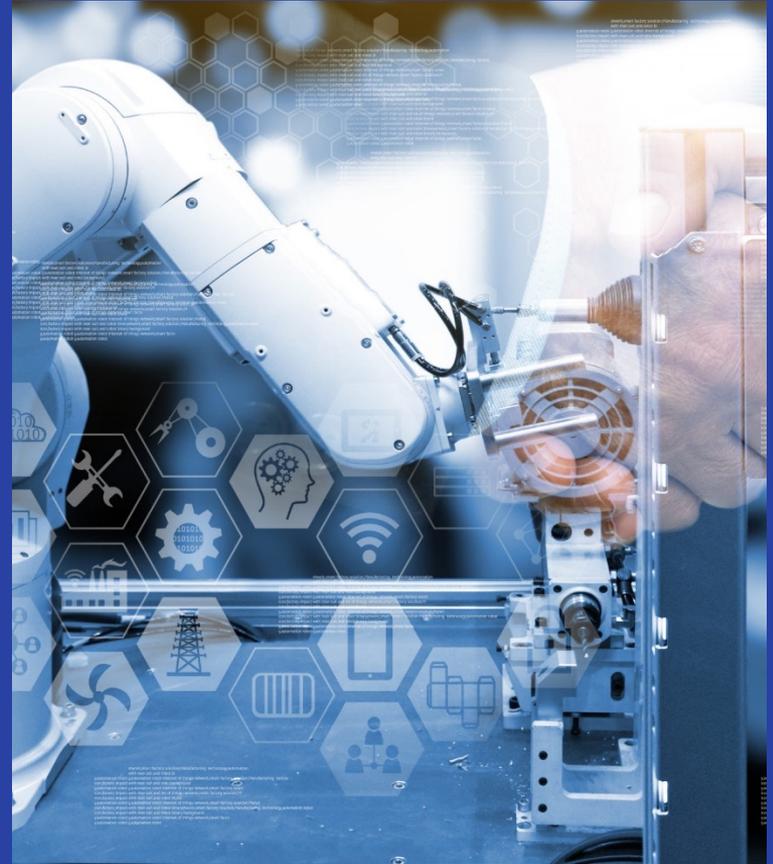
Robocoast EDIH Consortium – turning Digital Transformation Into Practical!

- **Coordinator:** Robocoast EDIH Unit/Prizztech Ltd
- **Competence Centers:** University of Jyväskylä (JyU), JAMK University of Applied Science (JAMK), University Consortium Pori (UCPori), Satakunta University of Applied Science (SAMK), University of Vaasa (UVA), Vaasa University of Applied Science (VAMK), Novia University of Applied Science (NOVIA), Centria University of Applied Science (Centria), Kokkola University Consortium Chydenius (UC Kokkola), University of Turku (UTU), Turku University of Applied Science (TurkuAMK), Åbo Akademi (ÅA), Turku Science Park Ltd (TScP), South-Eastern Finland University (XAMK), Oulu University of Applied Science (OamK) and Lapland University of Applied Science (Lapland AMK).
- **Geographic area:** In the regions of Southwest Finland (Turku and Salo), Satakunta (Pori and Rauma), Ostrobothnia (Vaasa and Pietarsaari), Central Ostrobothnia (Kokkola), Central Finland (Jyväskylä), Southern Savonia (Mikkeli and Savonlinna) and Kymenlaakso (Kotka and Kouvola)
- **Key technologies:** Cybersecurity, AI, robotics, HPC, IoT, 5G, XR.
- **Target groups:** SMEs, Startups, Large Companies with export and technology industries and students.



Robocoast Vision

- Robocoast EDIH will play the role of a one-stop-shop that will help companies in the export manufacturing sector to boost their innovation and networking efforts, partnering in their digital transformational journey. Robocoast EDIH will operate in the areas of Finland nine region via Core Competence Centers (CCC).
- Robocoast EDIH is an international center of excellence for cybersecurity, robotics, energy technologies, AI, data analytics, 5G & IoT that focuses on need-based product development projects and digital transformation of industry and services in the context of Industry 4.0. We provide services to the export manufacturing industry and other industries as well as startups and high-tech companies. The products and services developed by our members address exporting industries and their subcontracting chains in the advanced manufacturing, ICT, and energy sector.



A quick overview on Derry's transformation strategies

- Inclusive Strategic Growth Plan & NI Programme for Gov
- £250m City Deal success includes skills and pathways to employability programme
- “Skills” identified as catalyst that will contribute to rebuilding a stronger more competitive, resilient and inclusive economy that will deliver higher paying jobs, a highly skilled and agile workforce and a more regionally balanced economy

ISGP impacts by 2032



ICC Derry/Londonderry Skill Strategy



Derry and Pori together for Industry 4.0 skills

- Objectives.

- Promoting the understanding of Industry 4.0 technologies among SMEs, entrepreneurs, and young people.
- Giving opportunities to companies working in Industry 4.0 located in Derry and Pori to share knowledge, expertise, and opportunities.
- Enabling the creation of networks of innovation between Derry and Pori and extending those towards other cities in the ICC project



Derry and Pori Industry 4.0 Skills Events

- **Derry and Pori Industry 4.0 Skills Events** is a series of co-run events on the skills needed for adopting Industry 4.0 framework in companies.
- The event – currently on-line – brings together best practices from the two cities, gathers audience from the two cities, and hosts European experts in the field.
- The events will involve companies in various sectors, local universities, local industry groups and schools.



The Importance of Industry 4.0 for Derry and Pori Business Systems

by Municipality of Pori, Derry City & Strabane District Council, ERNACT, Robocoast
18.6.2021

12:00-12:10 Welcome words Mrs. Aino-Maija Luukkonen, Mayor, City of Pori

12:10-12:20 Welcome words from ICC Derry&Strabane Team Saverio Romeo, Lead Expert
and Welcome words from Robocoast EDIH Consortium Dr. Pirita Ihamäki, Liaison Manager

12:25-12:45 Industry 4.0 in Europe by EU Advanced Technologies Report by Giorgio Micheletti, IDC4EU

12:55-12:05 Industry 4.0 Skills by Niels Van der Linden, ICC Upskilling and Re-Skilling Group Coordinator

13:05-13:15 Break

13:20-13:45 Successful Industry 4.0 Story from Derry Fast Technologies (TBC)

13:45-14:00 Professor Martin McGinnity, Ulster Univeirsty Lead fort he Centre for Industrial Digitalisation Robotics and Automation

14:05-14:20 Utilizing Industry 4.0 in Cimcorp Intralogistics Automation Systems by Jyrki Anttonen, Technology Director Cimcorp, Ulvila

14:20-14:45 5G Test area and the Future in Pori Harbor by Jori Huhtaniemi Technical Support, Huhtaware Ltd., Pori



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EUROPEAN UNION
European Regional Development Fund

Leverage from
the EU
2014-2020



European
Regions
Network for the
Application of
Communications
Technology



Derry City & Strabane
District Council
Comhairle
Chathair Dhoire &
Cheantar an tSrátha Báin
Derry Cille & Strabane
Districte Coimise

 **PORI**

Thank you for your attention!

pirita.ihamaki@prizz.fi and Saverio Romeo s.romeo@bbk.ac.uk



14.40
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14.55

Future of Work in Europe

Tilman Tacke, Partner McKinsey Global
Institute



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14.55
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15.00

Closing

Niels van der Linden, Capgemini, Thematic
Network Coordinator



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Thank you!



See you tomorrow at the thematic workshop on Green and digital transition in tourism!

We will start at 13:30 CET

Share your experiences with [#IntelligentCitiesChallenge](#)