

10:30
-
12:00

Public session – Part I

Up and Reskilling in cities - Preparing the local workforce for the jobs of the future

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.



Valentina Superti

Director for tourism and proximity, DG
GROW, European Commission

Welcome speaker



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Keynote speakers



Karen Maguire
Head of Division, Local
Employment, Skills and Social
Innovation, OECD



Sharon Gil
Lead, Circular Economy in Cities,
UN Environment Programme

Karen Maguire

Head of Division, Local Employment,
Skills and Social Innovation, OECD

Keynote speaker



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Topics

1. Global trends shaping local needs
2. Challenges for cities
3. What cities can do



Global trends shaping local needs

*COVID is changing some of the dynamics, but
underlying trends remain*





COVID-19 and megatrends shaping local labour markets and skills needs

Automation & digitalisation

- ↑ Automation-related job losses will come sooner
- ↑ Expanded use of teleworking, e-commerce, and other digital tools

Green transition

- ↑ Shift in consumer preferences for greener products
- ↑ Expanded public investment in green infrastructure
- ? Geography of job losses and gains

Globalisation

- ↓ Managing supply chain risks could result in limited relocalisation
(from just in time to just in case!)

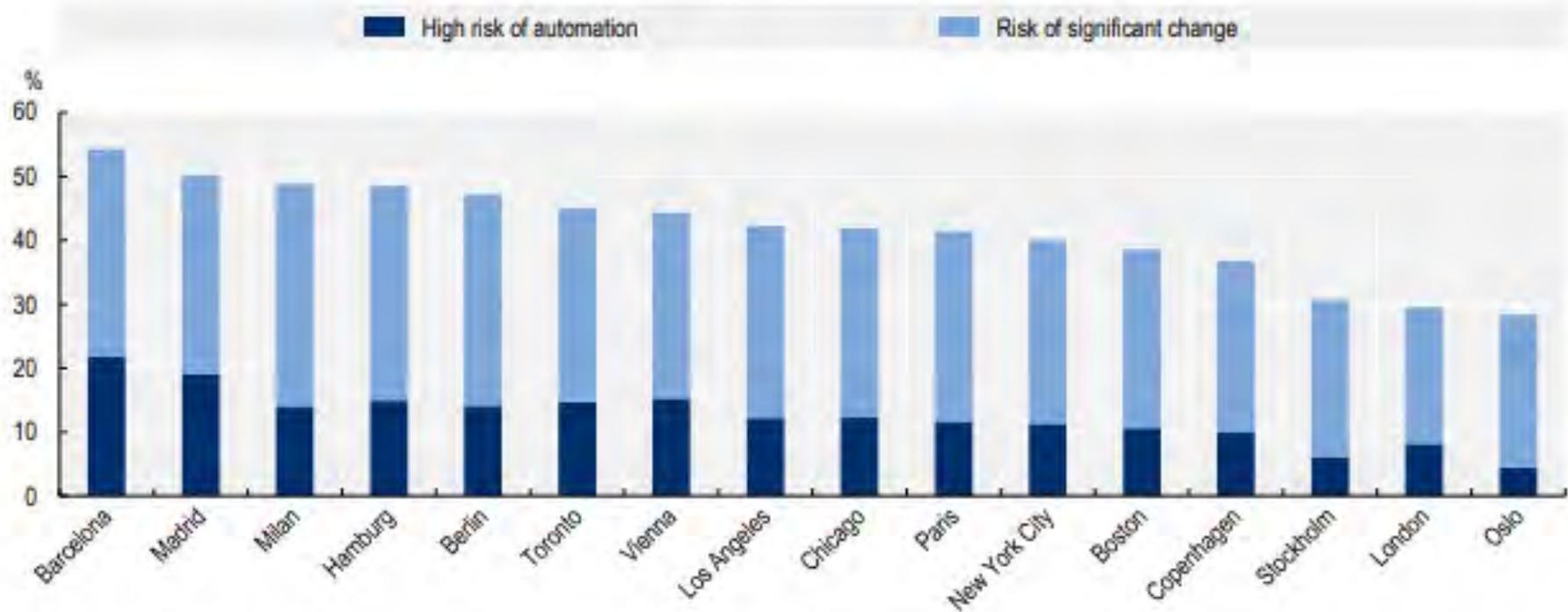
Urbanisation

- ? Large urban areas could see population growth slow or even decline
- ? New opportunities to attract workers and jobs outside of large metros
- ? A shift from mobility to accessibility



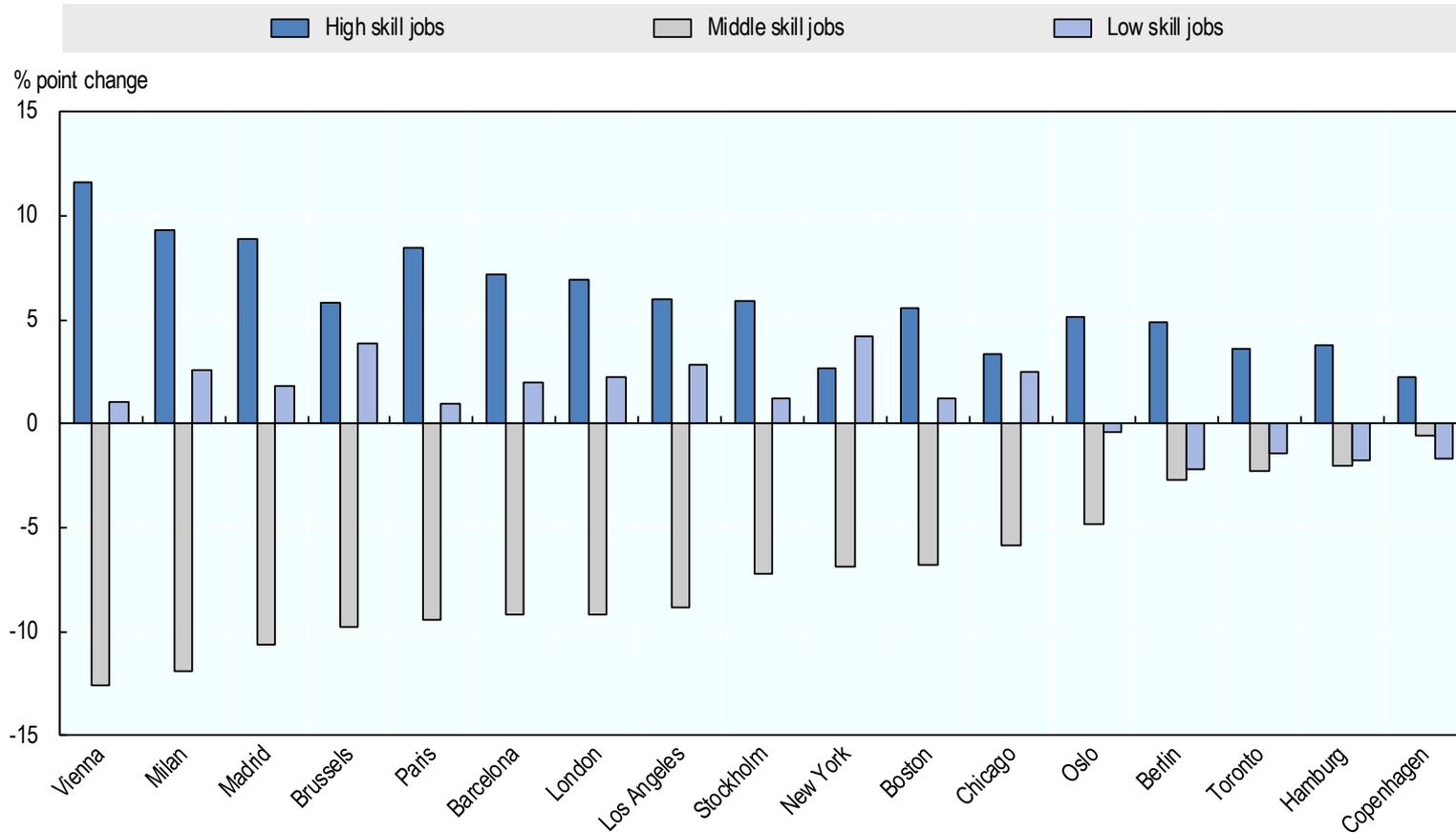
Digitalisation and automation will be accelerated

Share of jobs facing a high or significant risk of automation





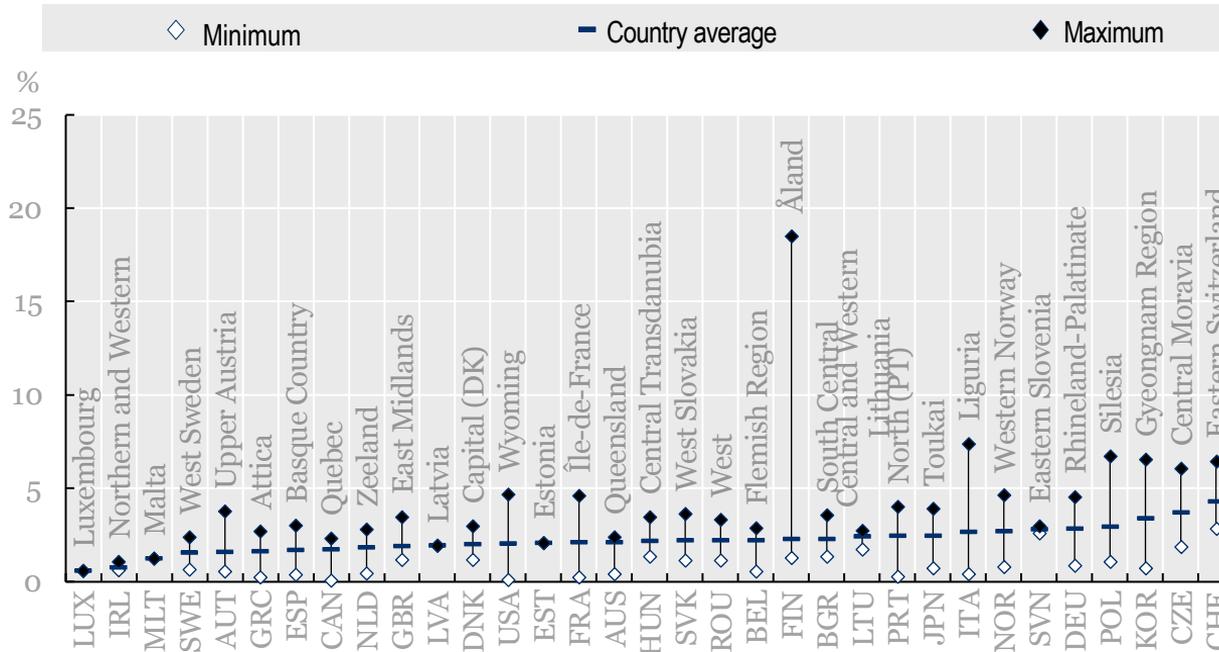
Job polarisation changing the skills profile in cities over time





Green transition: changing geography of job and skills needs

Share of employment in sectors with employment at great risk from net-zero carbon transition , large regions (TL2), 2017



- Likely small net employment change at aggregate but could have very important implications at local level

- Previous experiences with industrial transition shows the local impacts could cast a long shadow

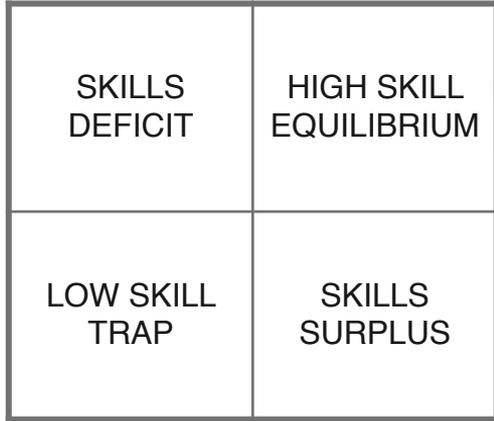
- Beyond job transitions, upskilling and reskilling needs will be even greater

Source: OECD (2021), Regional Outlook

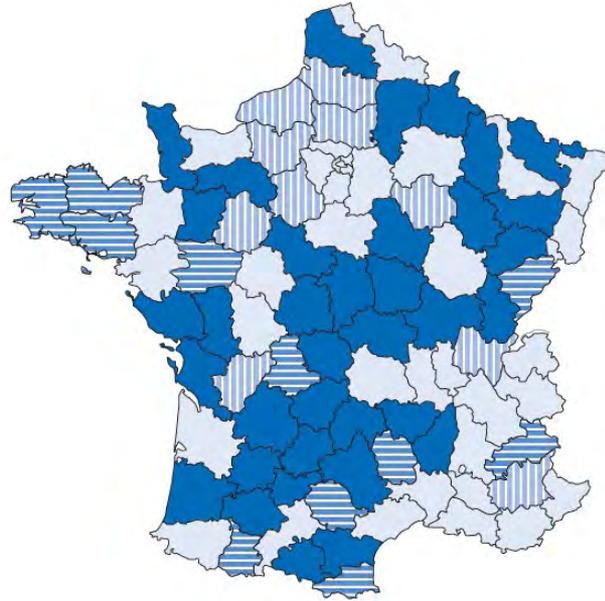


Global megatrends could amplify place-based skills mismatches: consider firms and workers

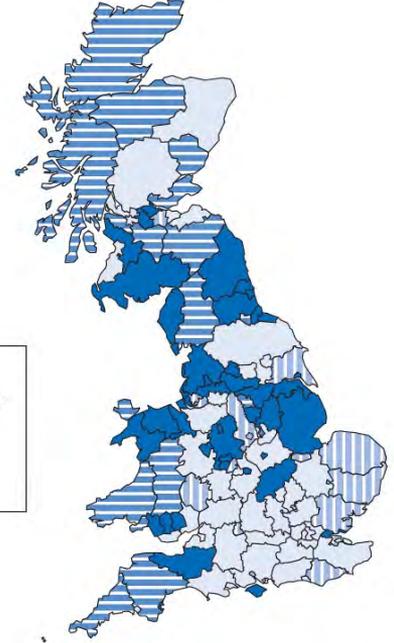
Skills demand



Skills supply



France



United Kingdom



Challenges for cities

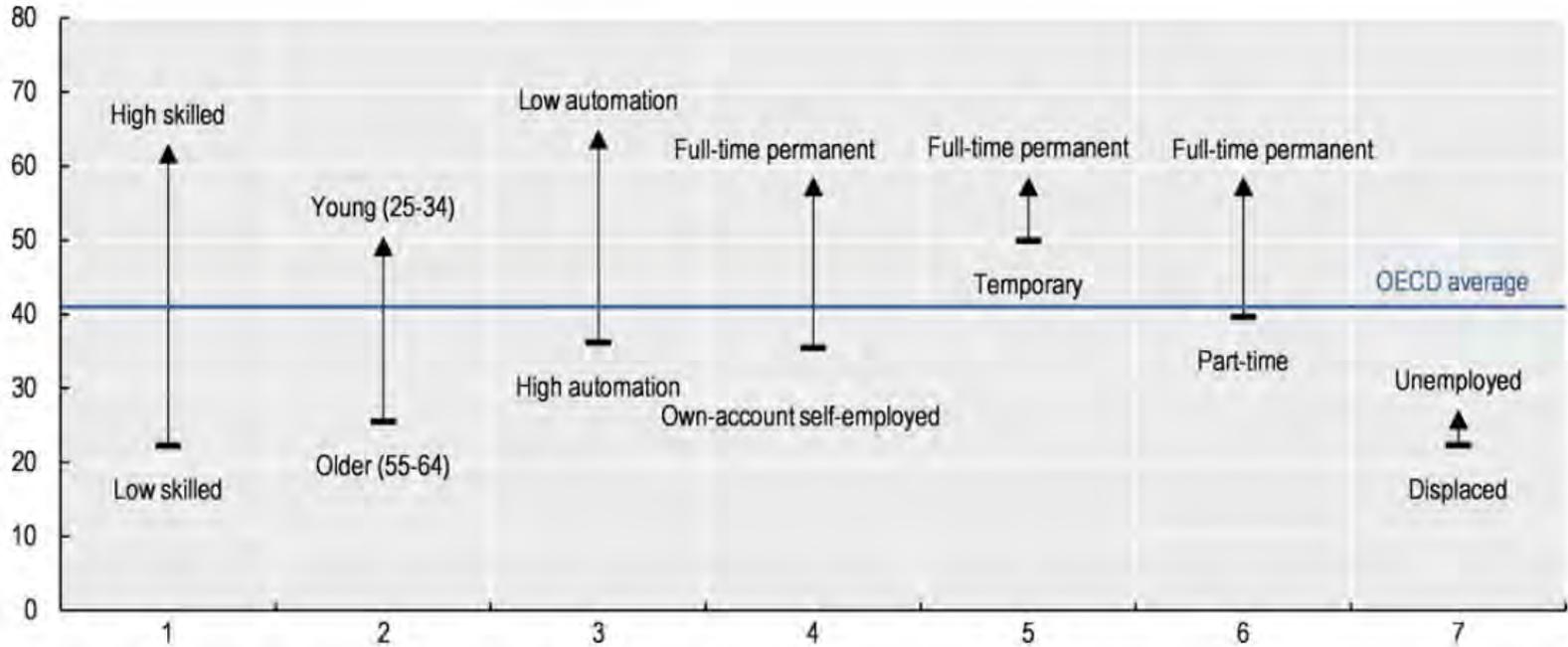
Quick adaptations and inclusion





Those who need training most are least likely to get it

Share of adults (age 16-65) in each group that participate in training, 2012/2015



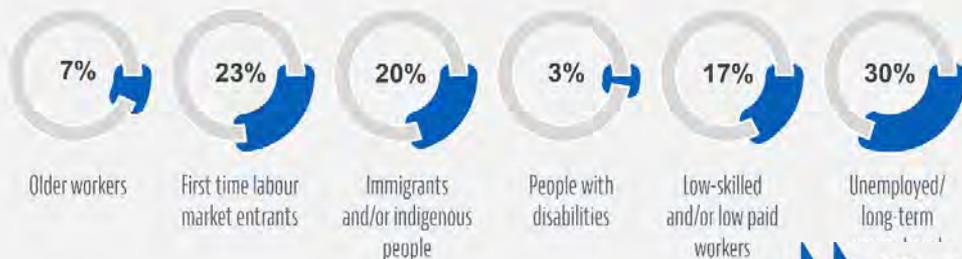
And 6 out of 10 adults lack basic ICT skills



Challenges with respect to target groups and the local ecosystem



Which of the following groups face the most pressing need for adult education and training in your city?



What is the most pressing challenge facing your city's adult learning system?





What cities can do

*Most importantly: convening power
and local tailoring*





Types of actions to better future proof adult skills



Promoting inclusion and equality through adult learning

Most pressing challenge: including vulnerable groups in adult learning systems

Meeting the changing skills needs of employers and tackling unemployment

Getting employers on board and meeting local skills demand



Strengthening the provision of adult learning through strong governance systems

Cities and regions often struggle with limited formal competences

[OECD survey on adult learning systems in cities and regions \(still open until 3 December!\)](https://www.oecd.org/cfe/leed/local-employment.htm)



Types of skills and planning the transitions

Types of skills

- Cognitive
- Technical
- Socio-emotional
- Creativity
- Entrepreneurial

Ways to develop

- Formal
- Informal
- Non-formal
- New opportunities (ex. micro-credentials)

New data sources

- Continuing to track demand
- Understand where the closest transitions and quick wins are



Many partners helping on a sectoral or local basis

- **Education providers**
 - Demand, market, complementarity
- **Centres of Excellence/Clusters**
 - Demand, market, complementarity
- **Public employment agencies**
 - Interest in more rapid support back into the labour market
 - Trends to support reskilling BEFORE becoming unemployed
- **Chambers of commerce/employer associations**
 - As direct organisers of trainings
 - As framers with local providers
- **Individual firms**
 - Education providers
 - Non-education providers
- **Professional associations**
- **Social partners**
 - As direct organisers of trainings
 - As promoters of engagement in retraining



Share your story!

All case studies are showcased at our Web Portal on **Future-Proofing Adult Skills Systems in Cities and Regions**

Includes an ongoing call for new promising examples

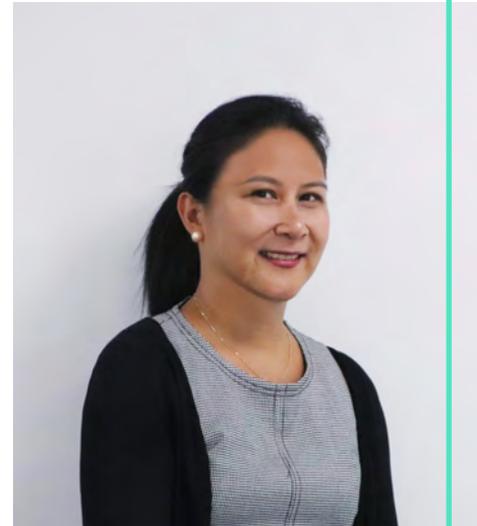
<https://www.oecd.org/cfe/leed/adult-skills-cities-case-studies.htm>

Access more resources at
<https://www.oecd.org/employment/leed/>

Sharon Gil

Lead, Circular Economy in Cities, UN
Environment Programme

Keynote speaker



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A pair of hands is shown holding a small, colorful globe of the Earth. The hands are positioned around the globe, with fingers gently gripping it. The globe is centered on the North Pole and shows the continents of North America, South America, and parts of Europe and Africa. The colors are vibrant, with blues for the oceans and greens and yellows for the landmasses. The background is a soft, out-of-focus brown, suggesting a warm, indoor setting. The overall mood is one of care, responsibility, and global unity.

Measuring Circular Economy and Jobs

Up and re-skilling in cities preparing the local workforce for the jobs of the future

UNITED NATIONS ENVIRONMENT PROGRAMME

- We work with countries around the world in developing the global environmental agenda
- Our work areas include, but are not limited, to the following:



Oceans & seas



Waste



Green economy



Air



Biosafety



Climate change



Education & environment



Forest

Our approach to
circular economy in
cities

Working towards a shift in how cities
are built and managed

CIRCULAR CONSTRUCTION



SERVITISATION

NEIGHBOURHOOD FOOD SYSTEMS





There is a need to connect circular economy, jobs, and a just transition

In 2018, UNEP looked at 2000 indicators of over 30 indicator frameworks that self-identified as linked to circular economy. Our research showed that while **many cities wanted well-being at the center** of their circular economy plan, **none of the indicators measured it.**

Jobs as a pivotal indicator and proxy for well-being

- Jobs are important to cities. Opens doors.
- Since we are tracking people, it provides a 'solution' to the difficulty of measuring inputs/outputs vis a vis city boundaries
- It provides insight to societal indicators and well-being.



Up-Scaling our efforts

- The **Circular Jobs Monitor** - a collaboration between UNEP and CE
- The goal of this tool is to highlight the circularity at a local level by quantifying the total number of **local circular jobs**
- Jobs monitor is under construction: monitor.circular-jobs.world

Local Circular Economy Jobs

ICC city lab's Public session part I - Up and Reskilling in cities

CIR

LEARN ABOUT:

The Circular Jobs Monitor

Who can benefit from the tool

Key concepts and methodology

Partners

< GO TO THE MONITOR

+

-

ⓧ

Welcome to the Circular Jobs Monitor!

The workforce is a key lever for transformation towards the circular economy. To tap into this potential, we need data and evidence. Which jobs are already part of the circular economy? Where are these jobs located? How are these jobs distributed across sectors and how are they related to circular strategies?

The Circular Jobs Monitor provides answers to these questions by gathering and displaying data on the number, range and location of jobs that are part of the circular economy around the world. It provides policymakers, economists, and labour organisations with insights into the relationship between circular economy activities and the labour market across economic sectors.

The Circular Jobs Monitor is a product of Circle Economy and part of a joint initiative of [Circle Economy](#) and the [United Nations Environment Programme](#).



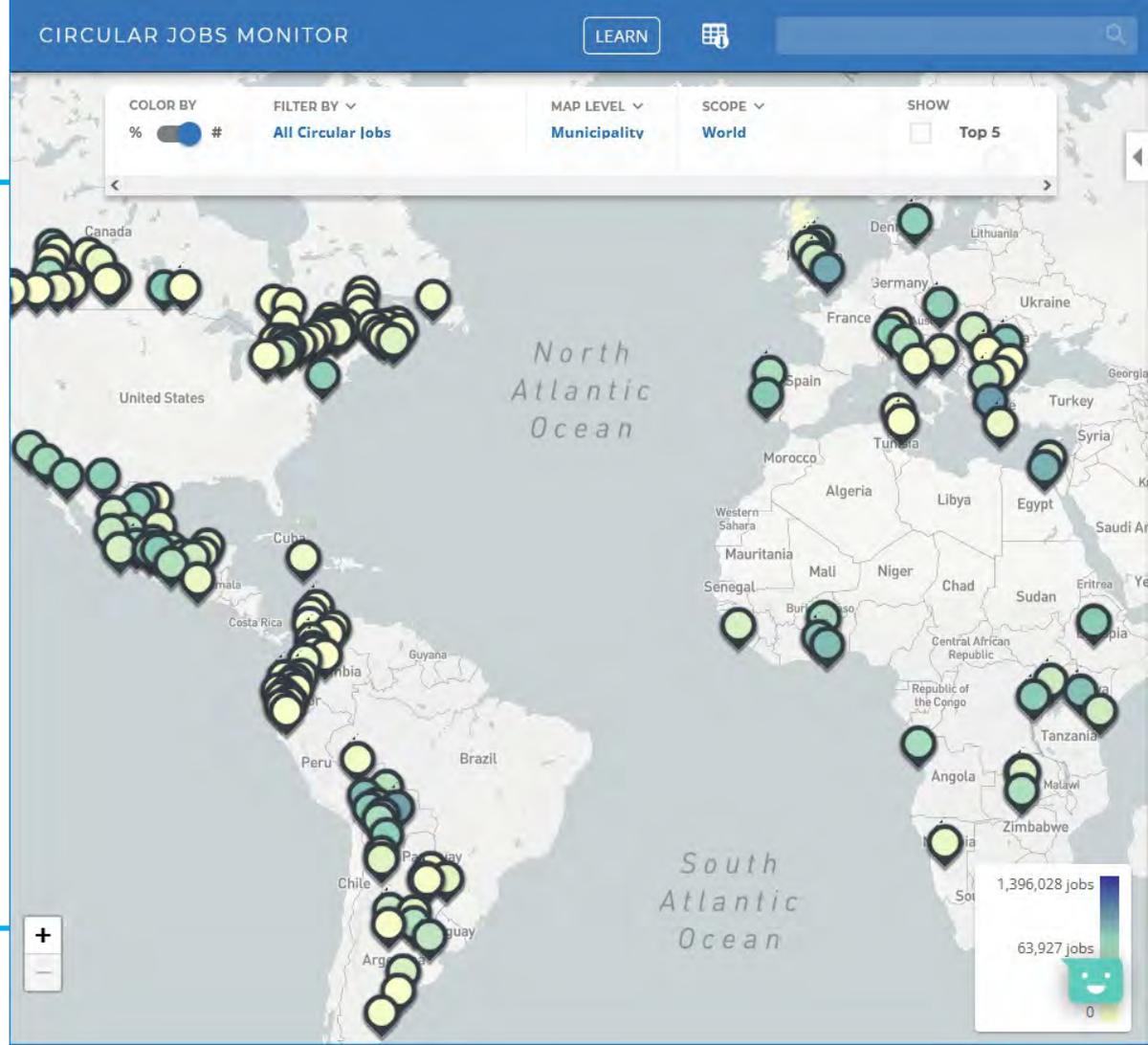
Help us improve by sharing
your feedback.



Local context

- We have collected and processed data from over **300 cities** around the globe
- The monitor provides an overview of **circularity at a local level** and provides insight on economic sectors to accelerate a circular economy

Local Circular Economy Jobs



The next step in our jobs work

The development of city
typologies around
circularity that would
facilitate data sharing and
scenario planning





Thank you!

Sharon Gil (UNEP)

Programme Officer and
Lead, Circular Economy in
Cities

sharon.gil@un.org



A pragmatic guide to reskilling in cities

Niels Van der Linden

Vice President - EU Lead,
Capgemini Invent



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THE BURNING PLATFORM FOR RESKILLING

Skills are central to our recovery from the coronavirus pandemic and for mastering the digital and green transitions. However, mismatches and shortages in skills are increasing, while a large number of people are at risk of unemployment. COVID-19 crisis accelerates the need for further skills investment.



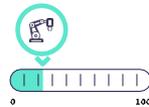
70%

of enterprises in Europe report that lack of skills hampers their investment; one in four small and medium enterprises (SMEs) across EU report major difficulties in finding skilled staff



9 OUT OF 10

jobs will require basic digital skills, though 1/3 of the workforce does not master these



22%

of current work activities (equivalent to 53 million jobs) could be automated by 2030



84%

of employees are more loyal to a company that contributes to social / environmental issues

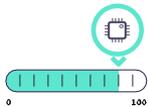


1.2M

jobs could be created as result of the green transition

AMBITIOUS GOALS FOR RESKILLING

The European Commission has set several targets to help individuals and businesses develop more and better skills and enable them to put them to use.



80%

of adults should have basic digital skills



90%

of SMEs reach at least a basic level of digital intensity



20% 30% 50%

Increase participation of adults and low-qualified adults and unemployed adults in learning to reach respectively 50% and 30% and 20%



20M

ICT specialists will be employed – with higher gender diversity

JOINT ACTION REQUIRED



Cities play a major role within local and regional economies in mobilising business, social partners and stakeholders, to commit to working together. Investing in reskilling and implementing a reskilling revolution is a critical investment.

Cities need a strategic and pro-active approach to manage reskilling of the working age population.

THE GUIDE DESCRIBES 5 PHASES THAT ARE CRUCIALLY IMPORTANT FOR DESIGNING RESKILLING INITIATIVES



Originated from reskilling track in Intelligent Cities Challenge (ICC), this guide proposes a step-to-step approach to developing a reskilling initiative, provides examples of the experiences of cities, key success factors and lessons learned.

- Description of the phases
- Tools and instruments where relevant
- Key success factors
- Funding models and opportunities
- Lessons learned from 20 good practices

WHAT CITIES CAN EXPECT IN THIS GUIDE



- Understanding lessons learned from good practice examples
- Facilitating collective action in local ecosystems & growing maturity
- Identify ways to make local skills gaps and mismatches insightful
- Practical methods and examples of crafting skills initiatives

The essence of the Guide in bird-eye view



Policy context:

- *Practical example of Pori (FI) - a signatory of the Pact for Skills - showcasing a city's roadmap to participation*



Build & mobilise reskilling ecosystem:

- *Map & understand key stakeholders and their roles*
- *Define steps to increase higher maturity level*
- *10 practical tips from Amsterdam's House of Skills on how to build a sustainable ecosystem*



Identify current and future skills needs:

- *Consult available sources at European and national level*
- *Apply methods for determining regional and local skills needs*
- *Explore advanced techniques (using A.I.) for skills forecasting*
- *Re-use or scale existing tools for assessing skills at individual level*



Design solutions:

- *Establish a clear reskilling strategy aligned with the city's overall future vision and transformation strategy*
- *Determine priorities and scope for efficient and effective solutions – keeping in mind current and future shortages*
- *Design a clear action plan from evaluating ongoing and potential solutions– engaging the ecosystem's key players*



Implement solutions:

- *Focus on creating end-to-end programmes to support people on their journey to new job placement*
- *Planning and preparation are pivotal to successful implementation*
- *Formalise the collaboration to align on roles & commitments and provide a foundation for the reskilling initiatives*



Monitor progress:

- *Monitoring and evaluation are key to understand effectiveness: detect problems, take corrective actions, gain insights into progress and quality, build evidence on what (does not) work*
- *Establish a virtuous cycle in which early initial successes are built upon, creating momentum and support.*



Funding models:

- *Explore public (at all government levels) and private funding opportunities*

Speakers



Sébastien Viano
Metropole Nice
Cote d'Azur



Alain Chateau
Metropole Nice
Cote d'Azur



Pirita Ihamäki
City of Pori



Catherine Chandler-
Crichlow
City of Toronto



European
Commission

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

The European Commission's
100 Intelligent Cities
Challenge

Sébastien Viano

Director Europe, Metropole Nice
Cote d'Azur

Alain Chateau

Vice-presidency, Education,
Research and Training, Metropole
Nice Cote d'Azur



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Up and Reskilling in cities

Preparing the
local workforce
for the jobs of
the future

4th City Lab - Public session on Up and Reskilling

November 30th, 2021

Sébastien Viano

Director Europe

Alain Chateau

Vice-presidency
Education, Research and Training

MÉTROPOLE
NICE CÔTE D'AZUR

When facing the overturning of a local stronghold industry

2012-2016 the regional slump of semiconductor and telecom sectors

Shortage of digital talents and loss of high profile employees

Double action outplacement strategy based on

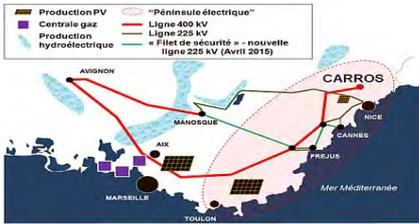
- Team collaboration versus individual approach
- “Sell” unique skills sets to offer fully operational and autonomous teams
- Launching of two economic revitalization programs
 - A. « **Greenland initiative** » to attract foreign companies to extend their operations locally thanks to immediately operational teams
 - B. « **Boost program** » to shape and setup groups of employees to create stand-alone new business or to extend the business of local companies

Up and
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in cities

Preparing the
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for the jobs of
the future

When local threats are innovation assets

turn your territorial weaknesses into development opportunities



Energy peninsula



Tourism dependency



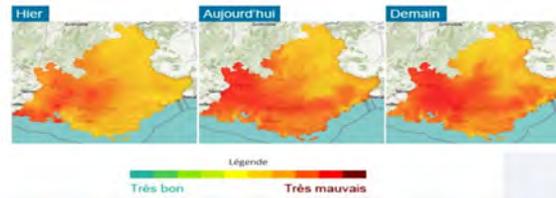
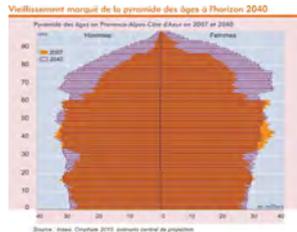
85% of the population on 15% of the territory



Natural hazards and disaster risks



Ageing population



Pollution peaks and air quality



Mobility on the coastline

The evolution of Nice Smart City paradigm

from technology-driven innovation to people centered integrative innovation

Up and Reskilling in cities

Preparing the local workforce for the jobs of the future

Yesterday



TECHNO-CITY

UN MONITORING TECHNIQUE

UN MONITORING TECHNIQUE

Technology Centric

Today



E-CITY

UNE ORCHESTRATION PUBLIQUE DES DONNÉES

UNE ORCHESTRATION PUBLIQUE DES DONNÉES

Data Driven Policy

Tomorrow



CO-CITY

UNE VILLE COPRODUITE

UNE VILLE COPRODUITE

Co-construction

Forward-looking strategy for the territory transformation

develop a lifelong education and training strategy

1. Create local ecosystems per priority sector

- differentiation
- Specialization

2. Guarantee the training-industry continuum

- Lifelong training strategy for a continuing answer to the demand
- Train the right talents by leveraging soft skills in addition to hard ones
- Promote work-based and any form of alternate training

3. Provide specialized trainings

- Foster partnership industry/academic research projects

4. Offer an enabling environment

- Life quality
- Inclusive environment

5. Create a « territorial identity »

- Consistency between territorial features and priority development sectors
- Leverage the Mediterranean dimension

Create local ecosystems per priority sector

Smart, Green and Safe

Mobility sector

- a) Infrastructures
- b) Alternative transportation means
- c) Mobility as a Service

Health and well-being sector

- a) Devices & Medication
- b) Sport & Well-being
- c) Digital health
- d) Syndemic approach

Green sector

- a) Circular economy
- b) Renewable resources (energy, biosourced materials)
- c) Construction (building and infrastructures)
- d) Environnemental monitoring

Blue sector

- a) Marine ecosystems
- b) Marine biotechnologies
- c) Smart Port

Culture and creative industries

- a) Cinema and multimedia
- b) Event industry and Tourism
- c) Arts and Crafts
- d) Culture and Heritage

Safe city

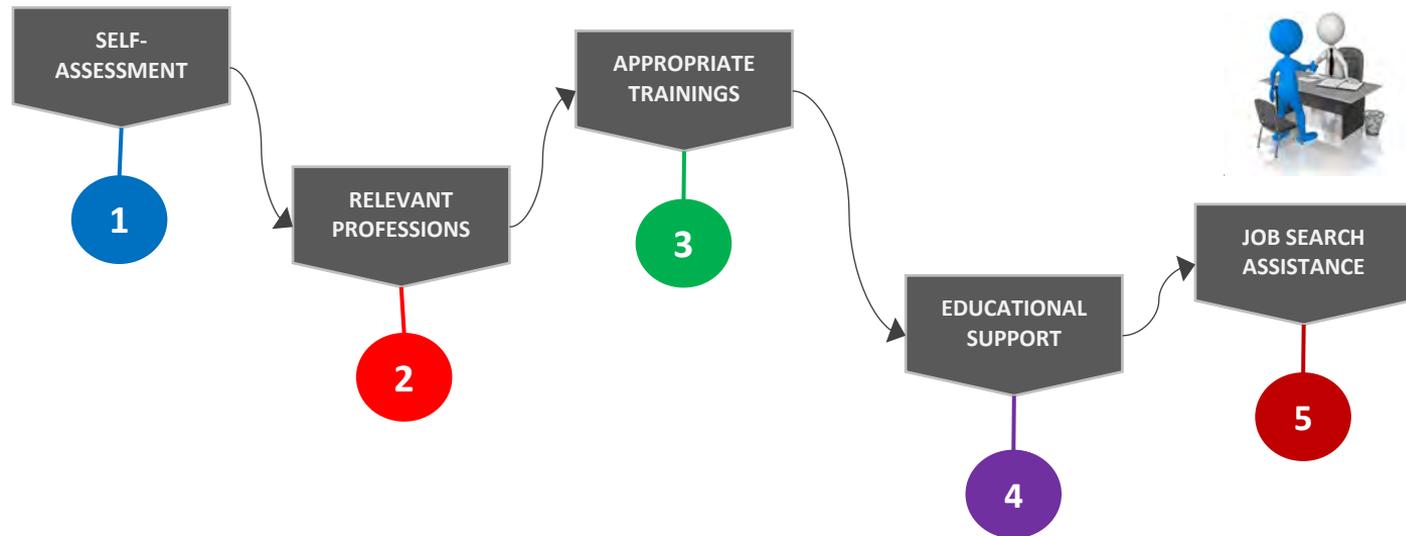
- a) Artificial intelligence
- b) Risk management
- c) Cybersecurity

Up and Reskilling in cities

Preparing the
local workforce
for the jobs of
the future

The upskilling and reskilling journey

from job search to employment



Personal self-assessment

TALENT CENTER

Up and Reskilling in cities

Preparing the
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Test personal abilities to open new horizons

- motor skills
- cognitive abilities
- competencies : skills / qualities
- Knowledge (related or not to education)

Objectives :

-> self awareness

-> edition of a personal profile - hard and soft skills

Partnership project with Nice (FR) university labs, Graz (AT) chamber of commerce, the regional industry federation and the rectorship of the regional educational district.

Select appropriate training paths to match job profiles

DIPLÔME ADVISOR

Match a training path with the targeted job profile

- profiling of a job based on hard and soft skills
- referencing all trainings at regional (~6,000) and national (~30,000) levels
- introduce AI and deep-learning in the matching process

Objectives :

- > improve the employability of workers
- > fulfill the recruitment needs of local companies

Experimental program in partnership with Nice (FR) university labs, the regional industry federation and the French public employment agency.

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Secure the training path to get access to a job *one diploma, one job*

Réseau Diplôme Emploi

Un diplôme et un métier, c'est possible !

Provide educational guidance and support

- mentoring / coaching / tutoring
- apprenticeship or work-linked training

Objectives :

- > focus first on early school leavers and non-graduated people
- > to guarantee social cohesion based on an inclusive approach

Experimental program in partnership with Nice (FR) university labs and the rectorship of the regional educational district.

Academic partnership for new training tools

Laboratory of Innovation and Digital Education (LINE)

LINE is a research unit of the National Higher Institute for Education and Teaching (INSPE) and the University Côte d'Azur (UCA), composed of a multidisciplinary team, supported by researchers from INRIA (IA) and SKEMA (Business school).

The LINE scientific program has an international focus and develops collaborations on digital education and innovation with international universities: University of Quebec at Montreal, University of Laval in Quebec and Catholic University of Rio de Janeiro.

Laboratory of Human Motricity, Expertise, Sport, Health (LAMHESS)

LAMHESS is a multidisciplinary laboratory that promotes research at the interface between life and health sciences and human and social sciences. The laboratory has carried out several studies on achievement motivation, which is a major predictor of academic success, and has developed a number of tools for measuring achievement goals that could be applied to career guidance.

Up and
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Thank you !

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European
Commission

The Intelligent Cities Challenge is funded by COSME, the EU
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The European Commission's
100 Intelligent Cities
Challenge



Pirita Ihamäki

Manager AI Roundtable,
Robocoast Consortium,
City of Pori



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The European Commission's
100 Intelligent Cities
Challenge


PORI

ROBOCOAST

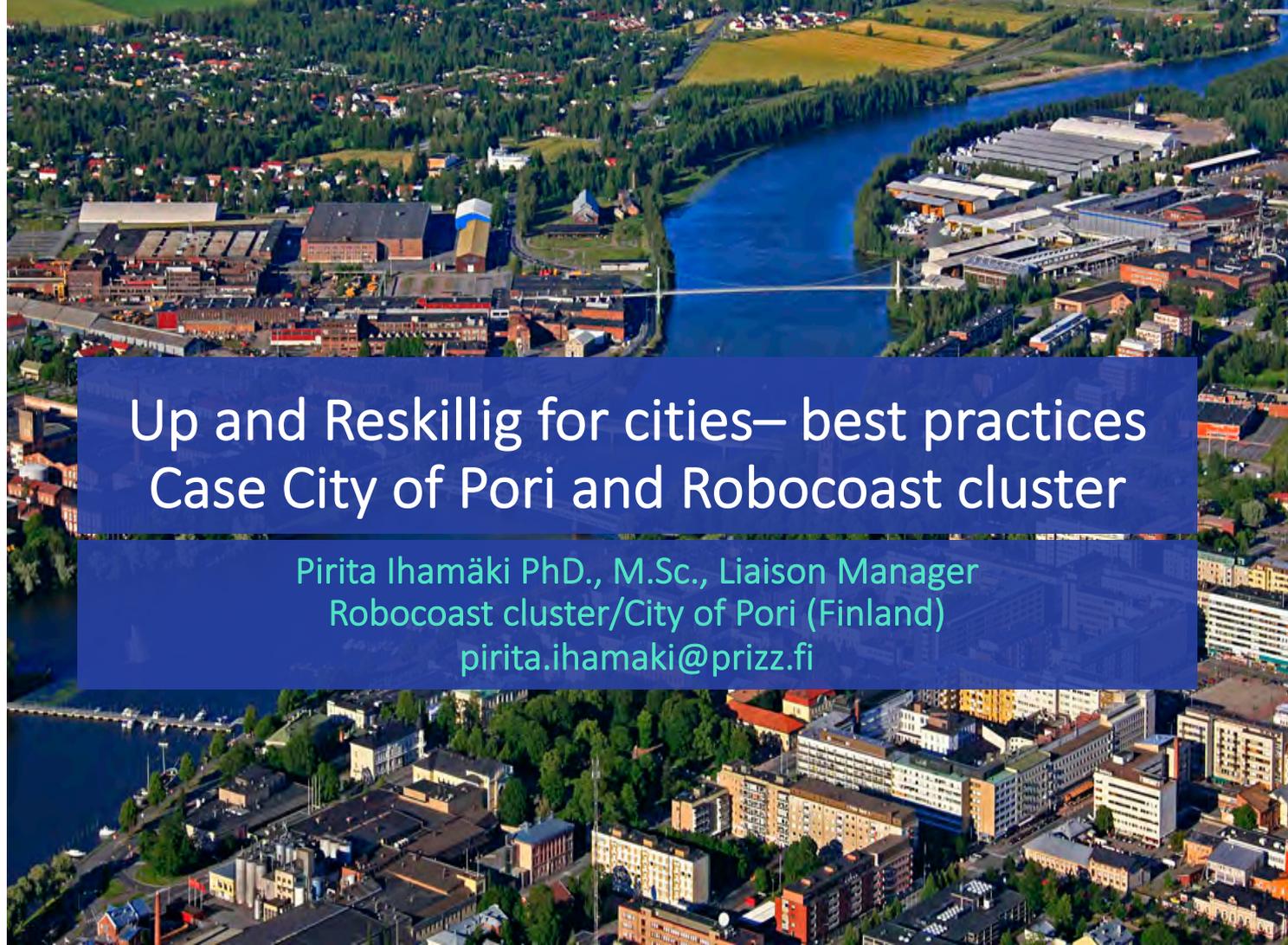
Prizztech



**Leverage from
the EU
2014–2020**



European Union
European Social Fund



Up and Reskilling for cities— best practices Case City of Pori and Robocoast cluster

Pirita Ihamäki PhD., M.Sc., Liaison Manager
Robocoast cluster/City of Pori (Finland)
pirita.ihamaki@prizz.fi

Roadmap summary

In 2030 Pori is an intelligent, sustainably growing and creatively renewing city. A recognized forerunner in Industrial Circular Economy. Pori offers an attractive place to live, work and operate, also for the talented individuals and advanced businesses.

1. The **City services** are digitalized, transparent, efficient and easily available through a single portal. Sustainable development is inscribed in the city's strategy.

1. **Proactive service concept** for green investments.
2. Principles of **green service**.
3. **Portal** to BusinessPori.

2. **City data** is utilised to monitor and support circular economy. City has the infrastructure and ability to swiftly respond to Green Economy FDI opportunities.

1. Gathering existing information, information need, **combining information** and publishing in the right channels.
2. **Zoning** permit issues as a one-stop shop.
3. **Plot map** service with metadata.

3. **Business collaboration** and development is supported through Circular Economy Living Lab, where new services are jointly developed.

1. **Match-making Living Lab** model/accelerator.
2. Cooperation between business and educational institutions **mini fairs/events** 2-3/year.
3. **Information channel** for the BusinessPori platform (SME sector).

4. **Further education** is stepped up in all critical fields. Training collaboration with industry is strengthened and new training opportunities opened.

1. Create a **platform** to bring together education providers and those in need of it.
Note! Pact for Skills
2. Contribute, through various channels, to increasing the **attractiveness** of industry, energy and the environment sectors from kinder garter onwards.

5. Green Economy is actively utilized in **City branding**, turning the City image from industrial to green and attractive also to young people. Major Circular Economy events will be organized.

1. Emphasizing identity, brightening the image, **The Story of Pori**, lifts: What Pori has and others don't. Adapting communication to a strong Pori brand – Green Bear?
2. **Presentation** of facts of reports and indicators.
3. Plots of not-in-use industry (non-virgin) as a trump card for environmental permit appl.

THE FIRST STEPS OF THE ROBOTIC CLUSTER:

- In the 1970's a Board of the Company Rosenlew decided *"We will not manufacture robots, since there is no such a competence in our Company. If we will need such an aparatus in the future, we will buy it elsewhere"*.
- The engineers of Rosenlew thought that this was not a good decision, and build the first robot in Finland, secretly behind the back of the Rosenlew Board. This was a hydraulic robot that could pallet sack's in the production.
- After this, the Board did a new evaluation about their strategy and **Rosenlew Automation** was born. (known nowadays as **Cimcorp**).





1900-1970

The automation business began from the needs of the local industry



1970-1990



Over 100 companies...



2010-2020

“The old industry” is still going strong in Satakunta (2019):

- 1 320 industry companies
- Turnover 6.8 billion per year (Export 4.3 billion, Robocoast Cluster 0.5 billion)
- Export per capita over EUR 20 000 (4th highest in Finland)
- BASF's battery plant investment 2020

ROBOCOAST AS A CLUSTER AND EDIH

- Robocoast was found in 2014. We get European Commission evaluation at 2017 to become a Digital Innovation Hub in Finland providing services to the manufacturing industry and other industries as well as start-ups and high-tech companies. In 2020 we became one of the clusters ECCP (European Cluster Collaboration Platform). In 2021 we have been a candidate of Finnish European Digital Innovation Hub.
- Robocoast cluster will play the role of a one-stop-shop that will help companies in the export manufacturing sector to boost their outreach, precision, innovation and networking efforts, partnering in their digital transformational journey.
- Robocoast Cluster 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. We also offer cross-sectoral co-operation for example agriculture and health-tech.

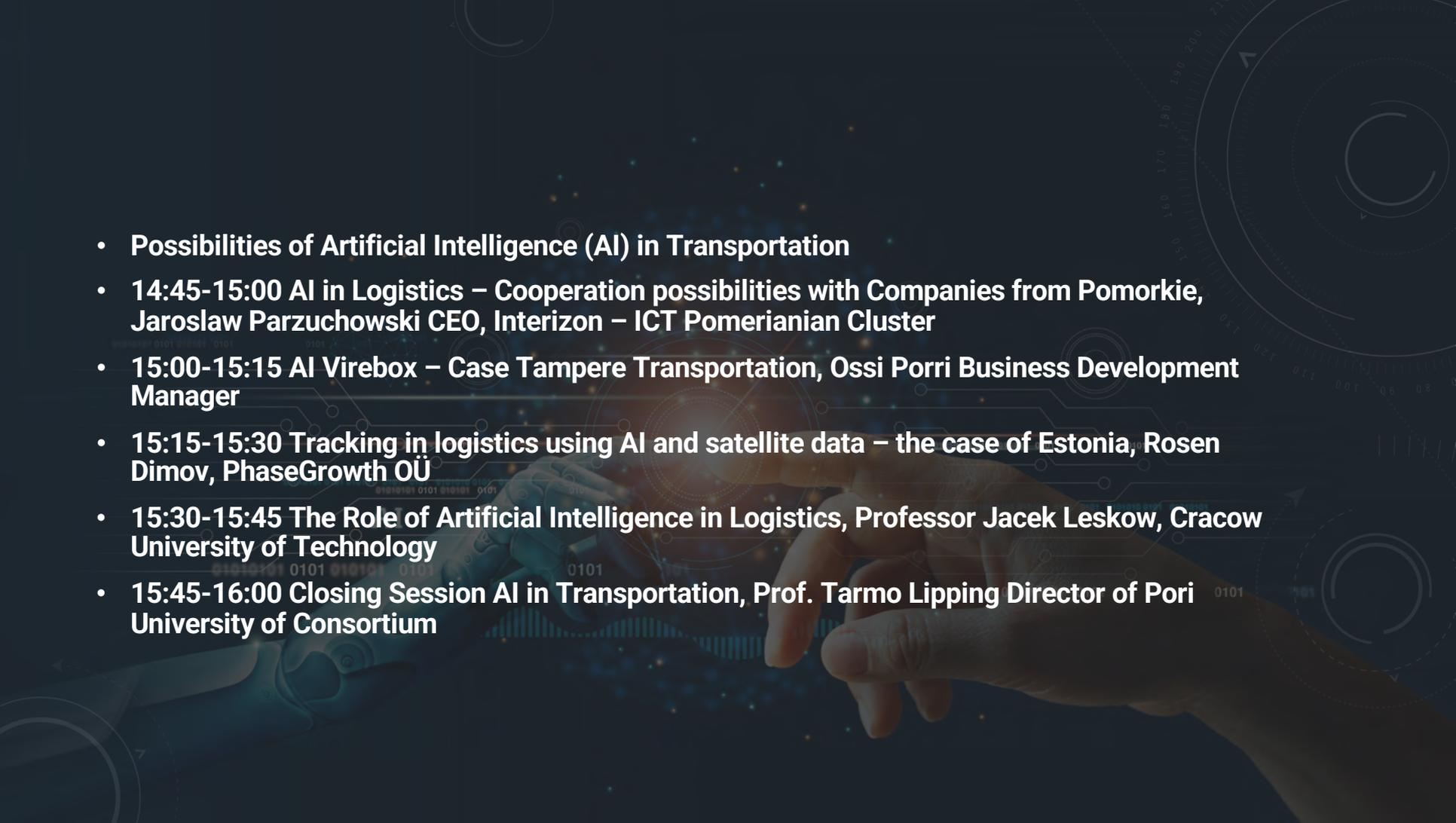
AI TOOLS – AI ROUNDTABLE SERVICES IN THE PRACTICES

- The operational objective of the AI Tools project is to pilot an operating model in which, in open AI-Roundtable codevelopment forums, experts from universities and AI companies consider together with staff in other industries how best to utilize and deploy artificial intelligence and other new digital solutions in their own work.
- At the AI-Roundtable forum, actors learn from each other and convey information about industry-specific challenges, practical conditions, progress models, costs and best practices, as well as existing opportunities.
- The AI-Roundtable forums provide participants with solution-oriented know-how, which will lower the threshold for launching productivity-boosting investments, especially in small companies, as AI-Roundtable enables staff to acquire and utilize artificial intelligence and other new digital solutions in their own work community.

- **How does Artificial Intelligence (AI) can benefit your business?**
- **2.12.2021 At 13:00-16:00 (EET time zone)**
- **Extend your business opportunities with Artificial Intelligence (AI)**
- **13:00-13:15 AI Business Academy – A Practical Development Model for SME's, Michael Lindholm, Network Manager, Turku Science Park**
- **13:15-13:30 Machine that understand emotions for profit, Dr. Evalds Urtans, CEO ASYA Ltd**
- **13:30-13:45 Aware adoption of Artificial Intelligence and Big Data: from Potential Business Value to Reusable Value, Mario Angelelli, Research fellow at University of Salento, Core Lab and CAMPI**
- **13:45-14:00 The Centre of RoboAI – Joint use laboratory of SAMK Campus Pori, Petteri Pulkkinen Research Director, RoboAI Unit, Satakunta University of Applied Science**
- **14:00-14:15 The future of Healthcare: TinyML on medical devices, Alexis Fourlis, R&D Project Manager, Vidavo S.A**
- **14:15-14:30 Closing session AI business opportunities with Artificial Intelligence, Jari Kaivo-Oja Research Director, Finland Futures Research Centre University of Turku**

Register here: https://www.lyyti.fi/reg/Miten_tekoaly_voi_hyodyntaa_sinun_yritystasi_2071/en

AI Roundtable

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- **Possibilities of Artificial Intelligence (AI) in Transportation**
 - **14:45-15:00 AI in Logistics – Cooperation possibilities with Companies from Pomorkie, Jaroslaw Parzuchowski CEO, Interizon – ICT Pomeranian Cluster**
 - **15:00-15:15 AI Virebox – Case Tampere Transportation, Ossi Porri Business Development Manager**
 - **15:15-15:30 Tracking in logistics using AI and satellite data – the case of Estonia, Rosen Dimov, PhaseGrowth OÜ**
 - **15:30-15:45 The Role of Artificial Intelligence in Logistics, Professor Jacek Leskow, Cracow University of Technology**
 - **15:45-16:00 Closing Session AI in Transportation, Prof. Tarmo Lipping Director of Pori University of Consortium**

Robocoast

Robocoast Consortium consists of 15 universities, several RDI laboratories and testbed environments, over 85 000 students and 9 000 specialists in research and development, and over 800 Robotics, AI, ICT, and Cybersecurity companies. Robocoast has world-class expertise in Cybertechnology, AI, Robotics, and Energy Technology.

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Robotics

Cybersecurity

AI & HPC

IoT & Industry 4.0



ONE STOP
SHOP





Best practices from City of Pori and Robocoast

Find new channels to re- and upskilling and mobilising relevant stakeholders to work towards a partnership for skills.

The Commissioner has stressed that digital skills are crucial for SMEs, accounting for 99% of companies in the ecosystem. To continue its green and digital transformation, the ecosystem will need a talented and skilled workforce, targeted investments and a partnership under the Pact for Skills.





Thank you for your attention!
Pirita Ihamäki Phd., M.Sc. Liaison Manager
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The European Commission's
100 Intelligent Cities
Challenge

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ROBOCOAST

Prizztech

Dr. Catherine Chandler-Crichlow

Dean of the School of Continuing
Studies, University of Toronto, City of
Toronto



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.



Q&A

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.

