



Digital Skills and cloud technologies

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Mobile World Capital Foundation



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Digital talent growth in Europe

2008-2018



ICT Specialists
41,3% ↑



Global employment
growth
3,4%

Digital Talent Overview 2020

 **Barcelona
Digital Talent**

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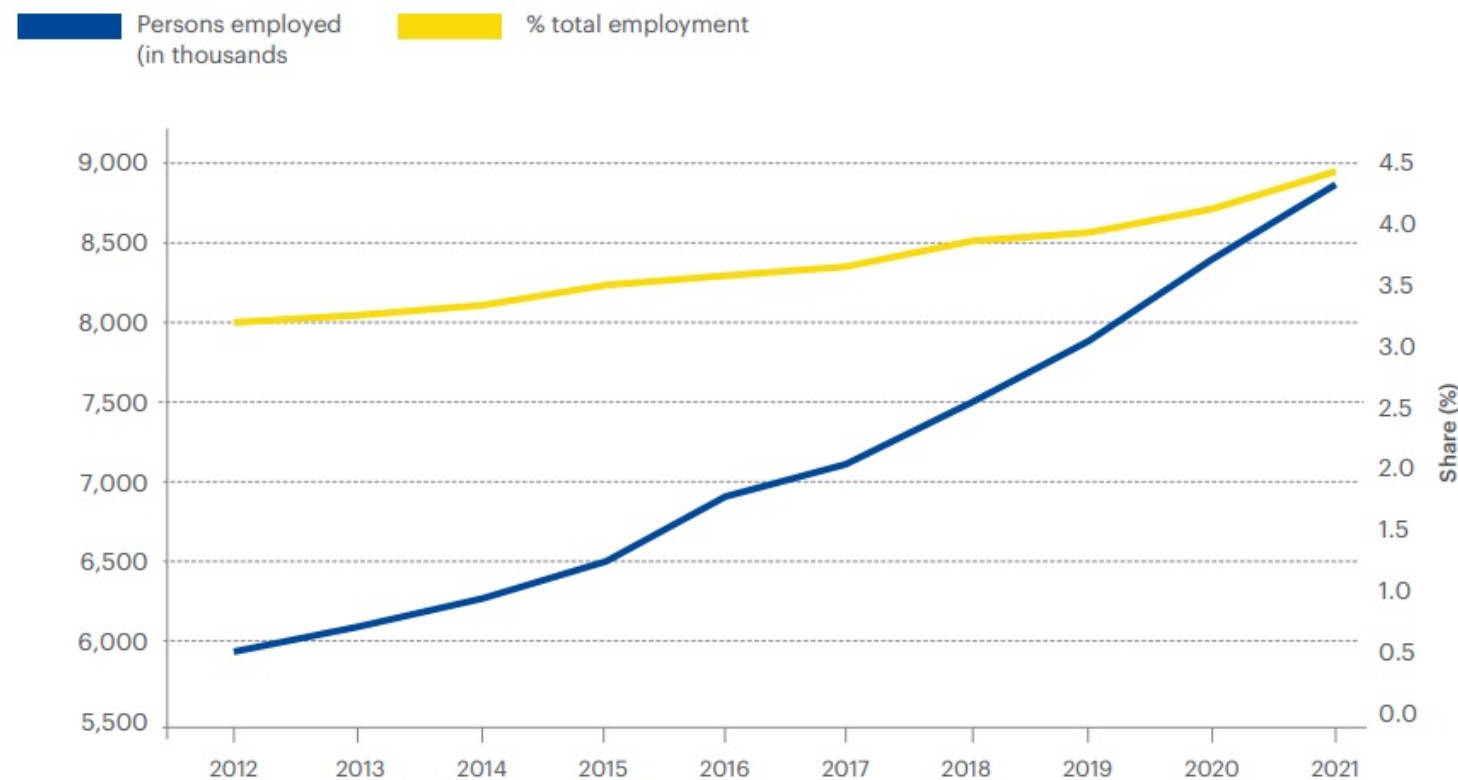
UK + Germany = group 36% of digital talent professionals



In the last decade, Europe has gained 3 million ICT employees

Persons employed as ICT specialists in the EU (in thousands and percentages)

2012-2021



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Number of digital professionals available for each job offer

2020-2021

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 2020  2021

Web Development

 **2020 =**  **16.62**
2021 =  **14.08**

App Development

 **2020 =**  **17.81**
2021 =  **14.52**




UX/UI

 **2020 =**  **76.39**
2021 =  **55.19**

CRM & ERP Consultant

 **2020 =**  **30.30**
2021 =  **22.97**




Agile/Scrum

 **2020 =**  **8.82**
2021 =  **9.57**

Cloud

 **2020 =**  **10.73**
2021 =  **7.19**

Cybersecurity

 **2020 =**  **3.42**
2021 =  **2.92**

Business Intelligence

 **2020 =**  **21.17**
2021 =  **16.62**

Big Data

 **2020 =**  **14.65**
2021 =  **11.77**

Most popular positions for well-established technologies

2021



1

2

3

Web Developers	Software Developer	Frontend Developer	Java Developer
App Developers	Android Developer	iOS Developer	Mobile Developer
UX/UI	User Experience Designer	Visual Designer	Ui/Ux Designer
CRM + ERP Consultant	.Net Developer	Sap Developer	Salesforce Developer
Agile/Scrum	Scrum Master	Software Engineer	Software Developer
Cloud (AWS)	Cloud Architect	Software Engineer	Devops Engineer
Cybersecurity	Security Consultant	Security Engineer	Security Analyst
Business Intelligence	Business Development Manager	Bi Consultant	Bi Developer
Big Data	Data Scientist	Data Analyst	Data Engineer
API	Developer	Software Developer	Backend Developer

I4+MS

 **Barcelona Digital Talent**

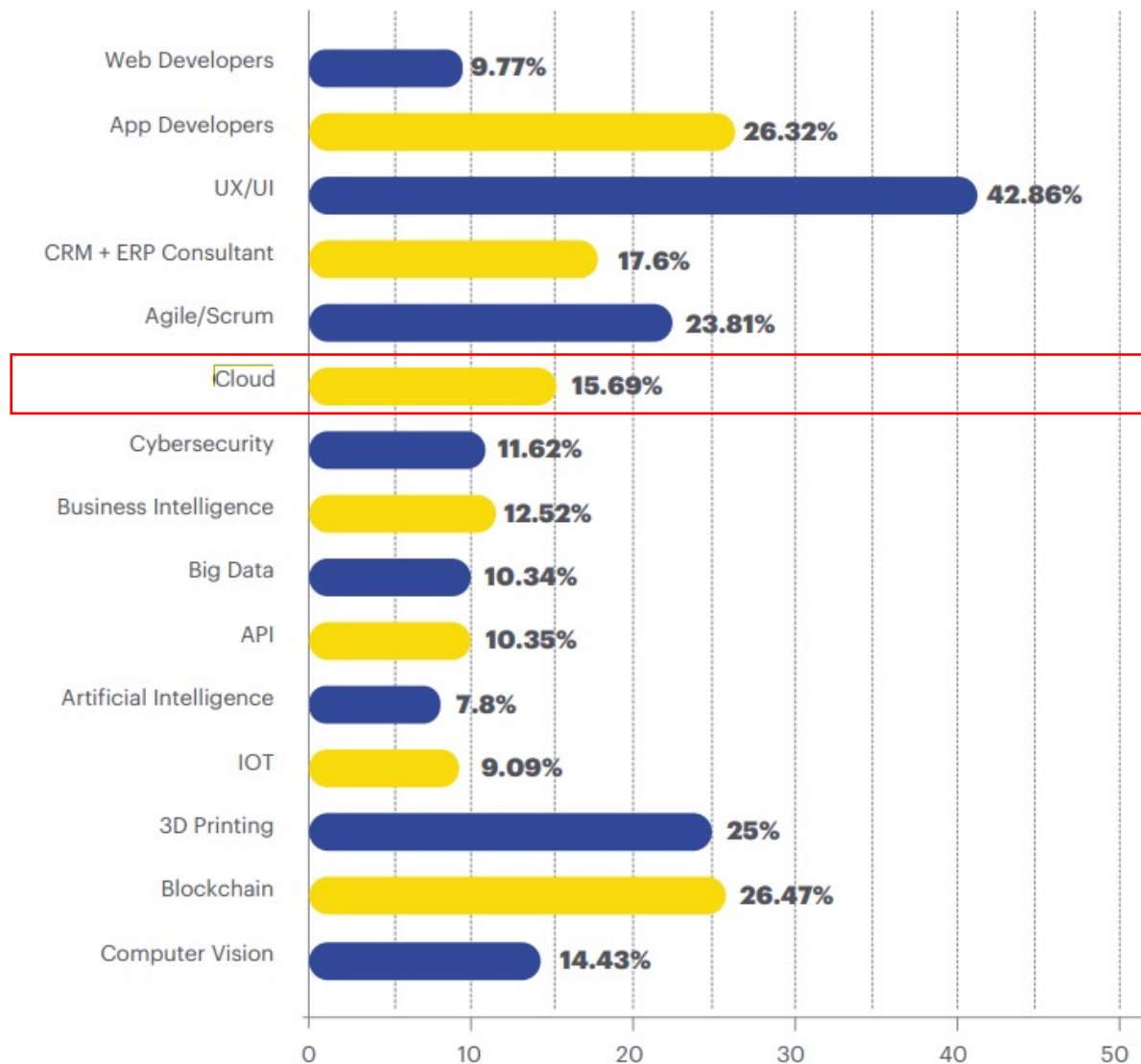
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Remote job offers Barcelona (%)

2021

I4+MS



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Percentage of women in the sector by city and by well-established technology

2021

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	Barcelona	Londres	Madrid	Paris	Amsterdam
Web Developers	25.49	25.09	27.71	21.64	22.35
App Developers	22.16	21.93	26.16	21.89	18.41
UX/UI	50.68	37.74	50.65	47.18	32.40
CRM + ERP Consultant	25.95	30.25	20.77	20.55	22.52
Agile/Scrum	31.56	36.95	37.36	28.81	36.51
Cloud	17.63	22.08	19.27	21.41	19.40
Cybersecurity	16.51	18.26	29.17	23.18	28.11



Tools and Technologies for Transformation: accelerate digital take up by manufacturing companies





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Digital Talent Overview 2022

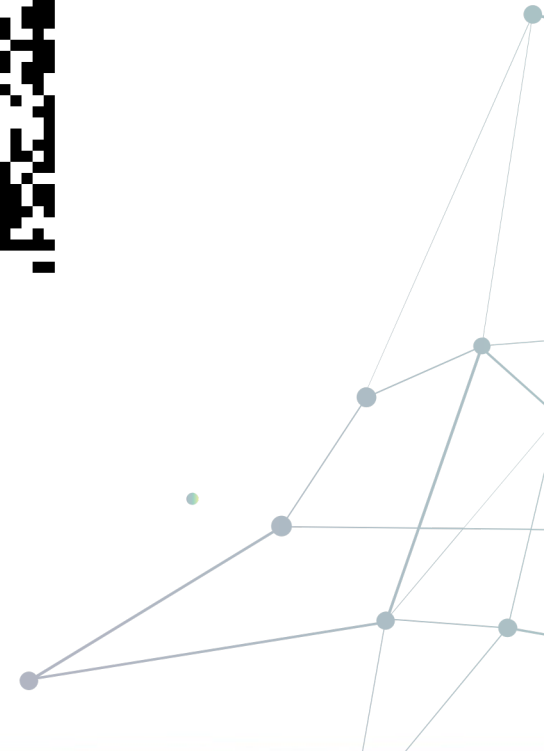
We analyse the development of digital talent gap in Europa, Catalonia and Barcelona

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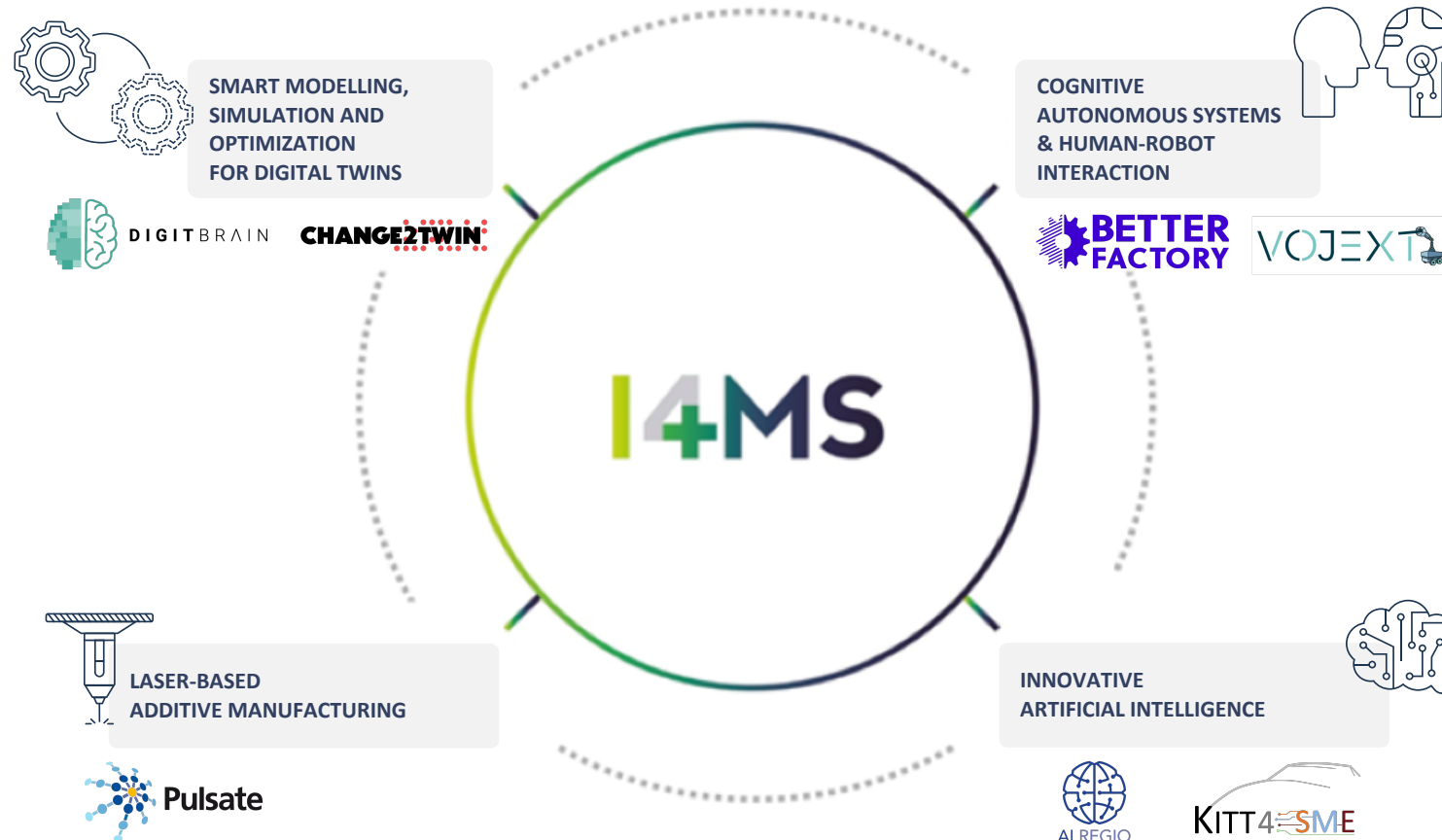
Skills & Training



www.i4ms.eu



I4MS Phase 4 – Innovation Actions



VOJEXT



DIGITBRAIN

DIH-WORLD



Pulsate

KITT4SME

CHANGE2TWIN

BETTER FACTORY

TECHNOLOGIES:

- AI
- DIGITAL TWINS
- HPC
- LASER-BASED ADDITIVE MANUFACTURING
- HUMAN-ROBOT INTERACTION
- COGNITIVE AUTONOMOUS SYSTEMS
- SENSORS
- CPS
- IOT
- ROBOTICS

Trainings catalogue for advanced digital skills



Number of training offerings:
+200 available

Number of countries:
+20 countries involved

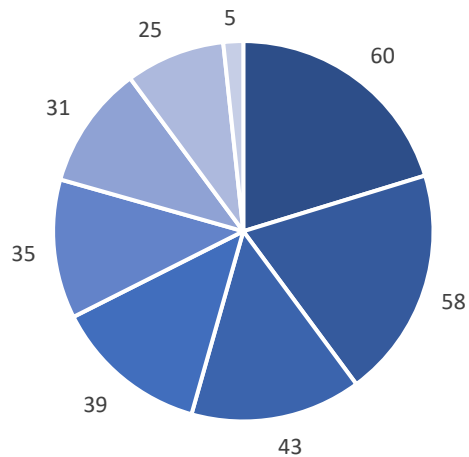
#manufacturing

<https://trainings.i4ms.eu/Trainings>

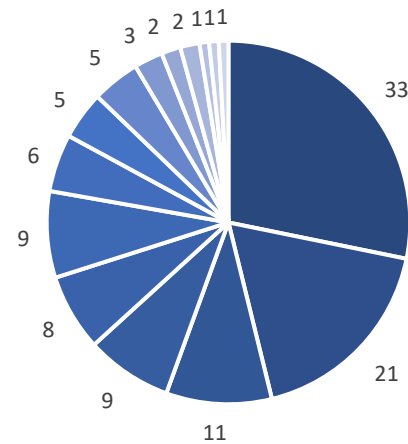


Trainings catalogue for advanced digital skills

- Data analytics
- IoT
- Artificial Intelligence
- Cloud Technologies
- Robotics, IoT, Data analytics
- 3D Printing
- CPS
- Laser Welding

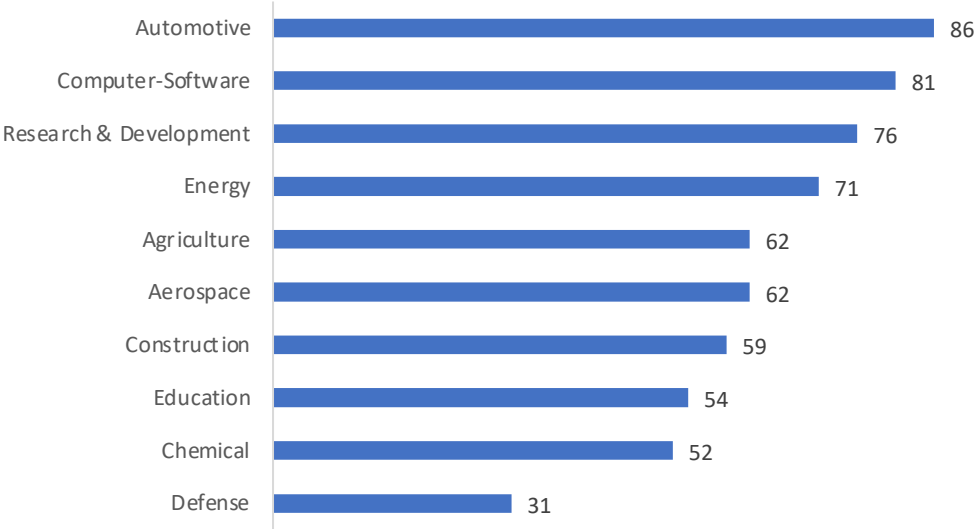
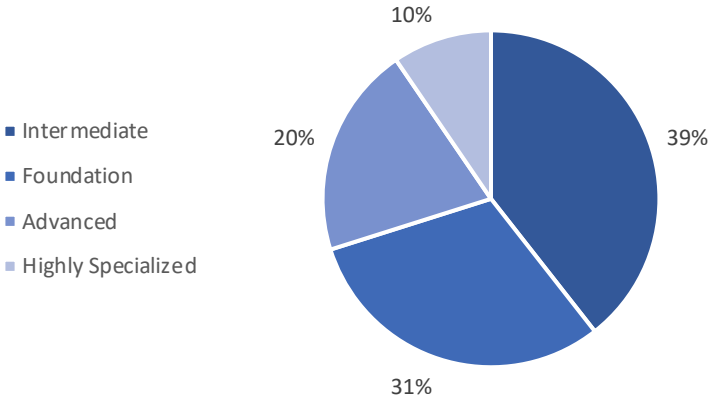


- Portugal
- Spain
- France
- Italy
- Lithuania
- UK
- Germany
- Netherlands
- Finland
- Belgium
- Sweden
- Slovenia
- Hungary
- Luxembourg





Trainings catalogue for advanced digital skills



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I4MS Final Event

Join us!

**19th of October in
Budapest!**

Call for Posters open until
15th of September





THANK YOU

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