



DIGITAL Projects brochure

Strategic Objective 4 – Advanced Digital Skills
Projects from calls for topics 2021-2022

V2.2
April 2024



Funded by
the European Union

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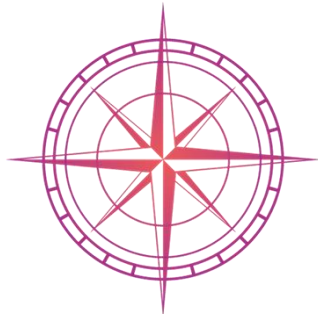
ADVANCED DIGITAL SKILLS IN THE DIGITAL EUROPE PROGRAMME



Government

Key Public Services - 100% online
Everyone can **access health records online**
Everyone can use **eID**

Skills
20 million employed **ICT specialists**, more graduates + gender balance
80% of adults can **use tech** for everyday tasks



Business

75% of companies using **Cloud, AI or Big Data**
Double the number of **unicorn startups**
90% of **SMEs taking up tech**

Infrastructure
Gigabit connectivity for everyone, **high-speed mobile coverage** (at least 5G) everywhere
EU produces 20% of world's **semiconductors**
10 000 **cloud edge nodes** = fast data access
EU **quantum computing** by 2025

Advanced Digital Skills



DIGITAL EUROPE PROGRAMME Strategic Objective 4

“Advanced Digital Skills shall support the development of advanced digital skills in areas covered by the Programme in order to **contribute to increasing Europe’s talent pool, bridge the digital divide and foster greater professionalism**, especially with regard to high performance and cloud computing, big data analytics, cybersecurity, distributed ledger technologies, quantum technologies, robotics, AI, while **taking gender balance into account**.”

REGULATION (EU) 2021/694

DIGITAL Topics 2021-2022

37

Projects

420

Participating organisations

26 EU Member States + Iceland, Norway, Serbia, Ukraine, Turkey, Burkina Faso, Ghana, Israel, Malaysia, Switzerland, UK and USA¹

- **37%** Higher education establishments²
- **36%** Private for-profit entities
- **8%** Research organisations
- **2%** Public bodies³
- **17%** Other organisations⁴

Note:

¹ | 28 third-country organisations: 17 from DIGITAL associated countries and 11 from DIGITAL non-associated countries.

² | May include a small number of secondary education establishments.

³ | Public bodies not included under other categories.

⁴ | Organisations like associations, foundations & so forth not included under other categories.



Specialised Education Programmes 2021-2022

Bachelors, masters and self-standing modules in key capacity areas such as AI, data analytics, cybersecurity, chips, IoT and robotics, including sector-specific programmes for healthcare, business and agriculture.

20

Digital Skills and Jobs platform

One-stop-shop for digital skills in Europe, bringing together initiatives, resources and the digital skills community.

1

Advanced Digital Skills Analysis

Analysis of the European labour market needs and the existing education offers in key digital areas, as well as coordination among the DIGITAL projects.

1

Short Term Training Courses

Short-term training courses in key capacity areas, such as cybersecurity, blockchain, AI, cloud and other emerging technologies, targeted at businesses and, in particular, small and medium-sized enterprises (SMEs).

12

EuroHPC JU Training

EuroHPC Training Platform, international high-performance computing (HPC) Summer School and professional traineeships.

2

Promoting European Innovation in Education

Support to EdTech start-ups and SMEs to accelerate their disruptive EdTech solutions.

1

DIGITAL Calls for Topics 2023-2024¹

Specialised Education Programmes 2023-2024

Bachelors, masters, doctoral programmes and self-standing modules to acquire skills in key capacity areas (e.g. artificial intelligence, virtual worlds, quantum), and advanced and green digital skills in specific sectors like agriculture, transport and renewable energy, as well as public sector.

Reinforcing Skills in Semiconductors

Creation of European networks of higher education institutions, industry partners, including start-ups and SMEs, and other relevant institutions, delivering bachelors and/or masters programmes in semiconductors.

Boosting Digital Skills of Young Pupils & Girls

Actions to increase the number of students pursuing digital studies and careers, with a special focus on increasing participation of girls, and actions to scale-up the EU Code Week² initiative.

Advanced Digital Skills Analysis

Analysis of skills needs in key digital areas, taking into account existing and possible future labour shortages, and continuation of the support to all DIGITAL funded projects on advanced digital skills.

Cybersecurity Skills Academy

Training programmes for SMEs, start-ups and the public sector, and activities for setting-up and operating the Cybersecurity Skills Academy.

Girls and Women in Digital

Actions to increase the understanding of the factors behind the current gender imbalance among the ICT specialists in Europe, and to propose effective measures to change the status quo.

Digital Skills and Jobs platform

Further populate and maintain the European Skills and Jobs Platform, and maintain and establish new National Coalitions and national websites in Member States.

Note:

¹ | For the 2023 and 2024 calls the projects have not been signed yet.

² | EU Code Week is a grassroots initiative which aims to bring coding and digital literacy to everybody in a fun and engaging way.



ADVANCED DIGITAL SKILLS PROJECTS OVERVIEW

CEF Funded Projects – Masters in Artificial Intelligence



MAI4CAREU



Short term training courses in key capacity areas



Specialised education programmes – Call 2021

AI and Health



Specialised education programmes – Call 2022

EuroHPC

HPC SPECTRA



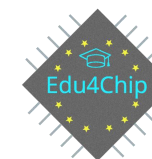
Other support projects



Digital Skills & Jobs Platform



LEADS
ADVANCED DIGITAL SKILLS



DIGI-ME



Skills4Deca



LEADS

Leading Europe's Advanced Digital Skills



advancedskills.eu

Start date: 01/10/2022

End date: 30/03/2024

Total Budget

€ 2.000.000

Coordinator

BluSpecs

Number of Participants

9

Description

LEADS delivers insights into the changing Advanced Digital Skills demands within a dynamic technological development context to equip the education and training communities with roadmaps and guidelines. It supports the effective implementation of the DIGITAL programme through working closely with industries to facilitate the uptake of training, reskilling, and upskilling activities for the workforce and communities. Additionally, it supports the collaboration and networking activities between the SPECIALISED education projects to increase the success across the whole DIGITAL initiative.

Participating Countries

BE

DK

ES

IE

IT

NL

AI4GOV

Master on AI for public services



ai4gov-hub.eu

Start date: 01/04/2021

End date: 01/06/2024

Total Budget

€ 2.552.027

Coordinator

Technical University of Madrid

Number of Participants

4

Description

The AI4GOV Master's programme targets the development of advanced digital skills in the public services sector. Its goal is to contribute to the empowerment of public administrations, helping them transform how public services are delivered: using artificial intelligence and fostering a human-centric approach to service design. Participants are awarded a joint master degree from Technical University of Madrid and Polytechnic University of Milan on "AI for public services". After completing the joint programme, students will get the opportunity to study an additional year at Tallinn University of Technology to receive a Master of Science (M.Sc.) degree in e-Government Technologies and Services.

Participating Countries

DE

EE

ES

IT

HCAIM

Human Centered AI Master



humancentered-ai.eu

Start date: 01/01/2021

End date: 31/12/2023

Total Budget

€ 3,001,752

Coordinator

Technological University of Dublin

Number of Participants

10

Description

The HCAIM programme has been built to support the legal, regulatory-compliant, and ethical adoption of artificial intelligence by helping develop highly skilled professionals with deep knowledge of both AI and its human-centred approaches to its application. Four universities (Technological University Dublin, HU University of Applied Sciences Utrecht, University of Naples Federico II, Budapest University of Technology and Economics) trained future AI specialists, together with three Centres of Excellence and three SMEs, plus more than 25 leading ICT organisations who offered support for the programme.

Participating Countries

BG

HU

IE

IT

NL

MAI4CAREU

Master in AI for Careers in EU



mai4car.eu

Start date: 01/06/2021

End date: 31/05/2024

Total Budget

€ 887,770

Coordinator

University of Cyprus

Number of Participants

9

Description

The MAI4CAREU Master's programme trains students in the latest artificial intelligence developments and applications. The aim is to deliver a modern programme, containing a strong interdisciplinary element as required by modern human-centric, explainable, and responsible artificial intelligence. The programme includes courses on artificial intelligence and ethics, as well as on artificial intelligence and entrepreneurship, and AI on the edge webinars. High priority is given to providing career counselling to students, with the objective of helping all graduates to successfully pursue an AI-related career and possibly set up their own start-ups.

Participating Countries

BG

CY

DE

IT

xAIM

eXplainable Artificial Intelligence in Healthcare Management



xaim.eu

Start date: 01/05/2021

End date: 31/10/2024

Total Budget

€ 2,219,409

Coordinator

University of Pavia

Number of Participants

5

Description

xAIM is an online Master's programme aiming to create an interdisciplinary environment where students are trained to work at the intersection of data science, AI and healthcare. Students will learn the fundamentals of machine learning and data science so that they can handle and analyse large, heterogeneous and complex datasets representative of the healthcare sector. The programme focuses on state-of-the-art AI techniques, identifying current and possible future AI applications. The xAIM curriculum is practical and hands-on, emphasising AI applications' ethical and social implications.

Participating Countries

DE

IT

SI

UK

AI and Health

Advanced digital skills programme Artificial Intelligence and Health

AI and Health

[AI and Health](#)

Start date: 01/12/2022

End date: 30/11/2026

Total Budget

€ 6.789.971

Coordinator

Aix-Marseille University

Number of Participants

12

Description

The demand for training in artificial intelligence applications for health is increasing among healthcare practitioners and stakeholders in biomedical research. The project AI and Health offers five types of training: a joint Master's programme, two MOOCs (Massive Open Online Courses), practical training for students using the resources and equipment available in the laboratories, three short-term courses for professionals and industrialists, a series of recorded videoconferences for the general public to help understand AI and its applications in healthcare.

Participating Countries

ES

FR

IT

RO

SE

CyberSecPro

Collaborative, Multi-modal and Agile Professional Cybersecurity Training Program for A Skilled Workforce In the European Digital Single Market and Industries



cybersecpro-project.eu

Start date: 01/12/2022
End date: 30/11/2025

Total Budget
€ 13.496.318

Description

15 higher educational institutions and 13 companies from 16 European countries are designing the agile CyberSecPro professional cybersecurity training programme. CyberSecPro complements and enhances existing academic programmes by fostering collaboration between innovation, research, industry, academia, and SMEs. It provides practical and hands-on training, bridging the divide between degrees, real-world work, and marketable cybersecurity skill sets. The goal is for CyberSecPro to become the best practice model for all cybersecurity training programmes, addressing digital challenges and industry demands.

Coordinator

Johann Wolfgang Goethe Universität
Frankfurt am Main

Number of Participants

28

Participating Countries

- AT BE CY DE DK EE
- EL ES FI FR IE IT
- NL NO PT RS

DIGITAL4Business

Masters Programme focused on the practical application of Advanced Digital Skills within European Companies



digital4business.eu

Start date: 01/12/2022

End date: 30/11/2026

Total Budget

€ 19.925.072

Coordinator

National College of Ireland

Number of Participants

17

Description

DIGITAL4Business aims to create an innovative and sustainable European Master's programme in advanced digital skills. This programme brings together higher education institutions, research centres, employment services, and industry to design and deliver a market-driven academic curriculum focused on the practical application of advanced digital skills in European businesses. The courses cover topics like artificial intelligence, data science, cybersecurity and the cloud, addressing the skill needs of SMEs and companies to enhance their competitiveness and growth through digital transformation and innovation.

Participating Countries

BE

DE

FR

IE

IT

PT

SE

US

DigiQ

DigiQ: Digitally Enhanced European Quantum Technology Master



digiq.eu

Start date: 01/10/2022

End date: 30/09/2026

Total Budget

€ 17.341.702

Coordinator

Aarhus University

Number of Participants

25

Description

To meet the growing demand for a quantum-ready workforce, the DigiQ project aims to transform the education ecosystem by introducing innovative methods and a multinational programme structure for the teaching of Quantum Technology (QT). The project also seeks to scale up and enhance quantum education across the European Higher Education Area. This involves upgrading existing QT Master programmes, developing new programmes, and providing a bridging programme to align non-specialist degrees with the needs of the QT workforce.

Participating Countries

CZ

DE

DK

ES

FI

FR

IT

PT

RO

DIGITWIN4CIUE

Digital Twins for Complex Infrastructures and Urban Ecosystems



digitwin4ciue.eu

Start date: 01/11/2022

End date: 31/10/2026

Total Budget

€ 7.103.773

Coordinator

Technical University of Madrid

Number of Participants

9

Description

The DIGITWIN4CIUE project prepares and delivers a comprehensive Master's programme on Digital Twins for Complex Infrastructures and Urban ecosystems, specifically targeting civil engineers working in strategic areas like transport, cities, energy, water, and the environment. The Master's programme will have a duration of one year, offering a blended learning approach that is international, executive, and professional. Its main focus will be on providing training in relevant digital skills required for digital twins in infrastructures, such as the Internet of Things, artificial intelligence and data analytics.

Participating Countries

ES

FR

HU

RO

TR

DS4Health

Digital skills for Healthcare Transformation



digitalskills4health.eu

Start date: 01/01/2023

End date: 31/12/2026

Total Budget

€ 19.978.471

Coordinator

Aachen University Hospital

Number of Participants

17

Description

DS4Health develops and implements an international Master's programme in digital health, focusing on key areas such as artificial intelligence, cybersecurity, data, robotics, and the Internet of Things. The programme enhances higher education for healthcare professionals by deepening their understanding and skills in the design, use, and development of digital technologies. With a citizen-centred approach and emphasis on soft skills and entrepreneurship, DS4Health addresses societal challenges outlined in the European Pillar of Social Rights and Sustainable Development Goals.

Participating Countries

AT

DE

EL

FR

IL

IT

LU

PT

SI

ManagiDiTH

Master of Managing Digital Transformation in the Health Sector



managidith.eu

Start date: 01/01/2023

End date: 31/12/2026

Total Budget

€ 5.897.697

Coordinator

Iscte - University Institute of Lisbon

Number of Participants

16

Description

This interdisciplinary programme equips professionals with the necessary capacity to address complex healthcare challenges in ageing societies. By fostering a co-creation process, an ecosystem will be built to collaboratively find innovative solutions. The programme's effectiveness relies on a combination of transversal skills (communication, management, social, and research), sector-specific knowledge (healthcare), service design, and technological learning. The programme brings together four partner universities, a research centre, and relevant healthcare and technology organizations.

Participating Countries

BE

EL

FI

FR

PT

MERIT

Master of Science in Smart, Secure and Interconnected Systems



Start date: 01/10/2022

End date: 30/09/2026

Total Budget

€ 12.493.588

Coordinator

Universitat Politècnica de Catalunya -
BarcelonaTech

Number of Participants

10

Description

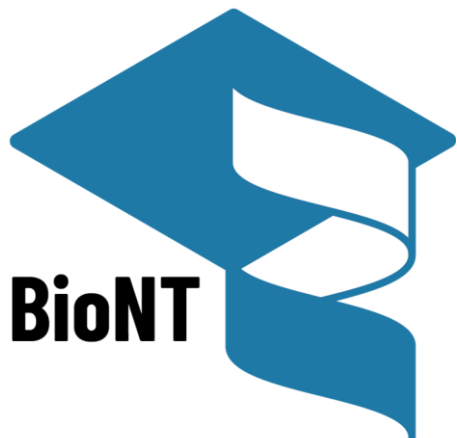
The MERIT project creates an educational ecosystem for training digital specialists by bringing together universities, industry partners, research centres, and technology organisations. The project focuses on the design of a joint Master's programme that addresses the market needs in artificial intelligence, the Internet of Things, and cybersecurity. The programme will offer a high-quality and flexible career path with mobility opportunities, blended learning options, research integration, and support for students' career development.

Participating Countries



BioNT

BIO Network for Training



biont-training.eu

Start date: 01/01/2023

End date: 31/03/2026

Total Budget

€ 2.684.718

Coordinator

European Molecular Biology Laboratory

Number of Participants

9

Description

BIO Network for Training provides a training programme and community for digital skills relevant to the biotechnology industry and biomedical sector. The basic curriculum includes handling, processing and visualizing biological data and/or the usage of computational biology tools, while the advanced curriculum aims at professionalising Life Sciences data management, processing and analysis skills.

Participating Countries

CH

DE

ES

NO

CloudCamp4SMEs

CloudCamp4SMEs – Empowering the digital transformation of European SMEs



[CloudCamp4SMEs](#)

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 4.436.809

Coordinator

FundingBox Communities

Number of Participants

16

Description

CloudCamp4SMEs empowers the digital transformation of European small and medium-sized enterprises (SMEs) by facilitating access to high-quality, low-cost training courses focusing on high-demand digital skills for cloud technologies. The courses are based on cloud solutions and training content developed by global leaders in cloud technology.

Participating Countries

BE

DE

DK

ES

IT

LU

NL

PL

CYRUS

A personalised, customised, work-based training framework for enhanced CYbeR-security skills across industrial Sectors



[CYRUS](#)

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 3.247.643

Coordinator

Deep Blue

Number of Participants

11

Description

The project CYRUS provides training on cybersecurity for transport and manufacturing organisations. A complete set of skills and measures will be delivered within the CYRUS framework on how to be vigilant to identify and respond to cyber-attacks. Virtualisation, dedicated cyber-range simulations in operational settings, and work-based learning will allow timely and efficient course delivery.

Participating Countries

BE

CY

DE

FR

IT

LT

NL

PL

RO

DigiAdvance

Advancing key digital skill capabilities in the SME Sector



digiadvance.eu

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 1.774.696

Coordinator

Dublin City University

Number of Participants

6

Description

DigiAdvance will support the development of advanced digital skills in specialised technology areas such as blockchain, big data, and machine learning among SME owners, managers, and employees through the provision of high-quality training, mentorship, and networking opportunities. The project will design, develop and deliver short regional digital skills courses for SME employees in local languages. Regional courses will be complemented by a pan-European digital skills accelerator workshop series for business leaders.

Participating Countries

ES

IE

PT

DIS4SME

Data Interoperability Skills for SMEs



dis4sme.eu

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 2.241.370

Coordinator

GISIG Geographical Information Systems

Number of Participants

10

Description

DIS4SME provides SMEs with the right skills required to orient their Digital Transformation strategies and plans around data interoperability. Training providers belong to both Higher education institutions as well as the private sector, to ensure that the training programmes respond to the real needs of SMEs and cover state-of-the-art technological as well as policy trends.

Participating Countries

BE

ES

HR

IT

SI

EAGLE

CovEring the trAining Gap in digitaL skills for European SMEs manpowEr



projecteagle.eu

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 2.282.096

Coordinator

University of Burgos

Number of Participants

11

Description

The EAGLE project designs and delivers high-quality specialised training courses (6 courses in total), reflecting the latest developments in key capacity areas (cybersecurity, big data, robotics, blockchain and smart energy), supporting the development of advanced digital skills of people in the labour force, with a focus on SMEs, both for managers and employees.

Participating Countries

CY

CZ

ES

FI

IE

LT

SK

Level Up

LEVERaging knowLedge of training providers in UPskilling and reskilling of SME managers and employees towards empowering their digital transformation



levelup-skills.eu

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 4.362.378

Coordinator

GrantXpert

Number of Participants

14

Description

Level Up empowers the labour force of European SMEs in digital competencies through the development and provision of short-term training courses focusing on cybersecurity, data literacy, data analytics, artificial intelligence, microelectronics/microcontrollers, internet of things, 3D printing and 3D modelling, cloud and programming. Expected reach: 15000 participants from 3000 SMEs.

Participating Countries

CY

DE

EL

FI

HU

IT

PL

QTIndu

Quantum Technologies courses for Industry



qtindu.eu

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 5.587.612

Coordinator

QURECA Spain

Number of Participants

11

Description

The objectives of the QTIndu project are i) the development of the nucleus for a harmonised pan-European end-to-end short-term training programme in quantum technologies for enterprises, ii) training courses specifically tailored to the requirements of companies and SMEs from different business sectors, and iii) the creation and provision of guidelines and routes for a scale up to a comprehensive pan-European scale.

Participating Countries

DE

DK

ES

FI

FR

NL

REBOOT SKILLS

Rebooting manufacturing industry with digitalisation skill development



[REBOOT](#)

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 3.878.480

Coordinator

University of Oulu

Number of Participants

8

Description

Four universities and four professional organisations will deliver 25 free-of-charge courses to employees of manufacturing industry SMEs or unemployed people wishing to find an employment in the manufacturing industry. The courses focus on the key capacity areas artificial intelligence, cybersecurity, robotics and the Internet of Things. Expected reach: 1197 participants will be re- and upskilled.

Participating Countries

BE

FI

IE

IT

SE

SME4DD

Training SMEs for the Digital Decade



[SME4DD](#)

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 2.885.487

Coordinator

EIT Digital

Number of Participants

7

Description

SME4DD will deliver short-term training programmes in three strategic digital technologies for Europe: 1) artificial intelligence, 2) blockchain, 3) cybersecurity. These training programmes will be designed based on the needs of companies - especially SMEs - and will increase the number of men and women able to design, develop and deploy digital solutions in the economy and across sectors.

Participating Countries

BE

FR

HU

IT

SE

Tech Time 2 Skill

Tech Time 2 Skill : fostering the acquisition of the most in-demand advanced digital skills in AI and Cybersecurity by the European labour force

TECH
TIME 2
SKILL

[Tech Time 2 Skill](#)

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 2.545.060

Coordinator

BeCode

Number of Participants

7

Description

Tech Time 2 Skill targets the acquisition of advanced digital skills in artificial intelligence and cybersecurity by the European labour force in order to foster the European Union's digital talents pools and support the digital transformation of European SMEs in a sustainable manner. The consortium develops, pilots, and deploys 6 high-quality digital training programmes.

Participating Countries

BE

FR

ES

TRUST-FOOD

Advanced Digital Skills on Blockchain for Trusted Food Supply Chains



[TRUST-FOOD](#)

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 4.569.352

Coordinator

Rezos Brands

Number of Participants

15

Description

TRUSTFOOD aspires to design and deliver short-term training courses for upskilling and reskilling of the labour force, with a particular focus on SMEs owners, managers, and employees in the Food Supply Chain and the agri-food sector. The courses will be highly practical and will provide specific knowledge about key digital technologies of Blockchain and their applications to the food supply chain sector.

Participating Countries

CY

EL

HR

IT

LT

LU

NL

RO

SI

UA

AGRITECH EU

Digital agriculture for sustainable development



[AGRITECH EU](#)

Start date: 01/01/2024

End date: 31/12/2027

Total Budget

€3.497.628

Coordinator

University of Pisa

Number of Participants

13

Description

AGRITECH EU aims at the design and delivery of higher education programme(s), the enrichment of existing degrees and the development of self-standing modules/courses to train specialists in digital transition for farms and food companies, leading to recognized certifications. Digitalisation in agriculture can generate multiple benefits, however, unregulated digitalisation or incentivising acceptance without offering sufficient protection, may have harmful economic, social, and environmental effects. To maximise equitable opportunities and mitigate the risks, companies need to increase their know-how and capabilities to use digital technologies in effective and responsible ways.

Participating Countries

BE

CZ

EL

ES

FR

IT

AI4CI

Artificial Intelligence for Connected Industries



[AI4CI](#)

Start date: 01/11/2023

End date: 31/10/2027

Total Budget

€9.794.280

Coordinator

Conservatoire National des Arts et Metiers

Number of Participants

18

Description

AI4CI aims to support European educational institutions in creating a new European joint master's degree program focused on the application of AI to Connected Industries. The technologies adopted in Connected Industries, including programmable network devices, embedded systems, robots, and Industrial Internet of Things (IoT) and cloud computing, are rapidly evolving and present specific challenges in the integration of distributed and in-network AI algorithms. The goal of the project is to provide a cutting-edge, up-to-date curriculum that covers all latest advances in the design and operation of AI systems integrated with IoT, cloud networking, and robotics technologies shaping the Connected Industries.

Participating Countries

CH

DE

EL

ES

FR

IT

RO

UA

CYBERACTIONING

Training Cybersecurity Skills through Advanced Higher Education Joint Programmes



CYBERACTIONING

cyberactioning.eu

Start date: 01/10/2023

End date: 30/09/2027

Total Budget

€ 2.902.380

Coordinator

University of Granada

Number of Participants

10

Description

The CYBERACTIONING project aims to train professionals in the field of cybersecurity through the following initiatives: (a) a joint European Master in cybersecurity with a mobility path along the four universities; (b) a MOOC in cybersecurity aiming at training a minimum of 800 students from non-ICT sectors in each edition; (c) a scholarship programme to attract highly qualified students; (d) a programme of agreements and incentives to attract faculty, companies and research centres and generate synergies; and (e) the acquisition of key technological infrastructure supporting the programmes.

Participating Countries

ES

IT

LT

PT

DIGI-ME

DIGital skills for transformative Innovation Management and Entrepreneurship

DIGI-ME

Start date: 01/02/2024

End date: 31/01/2028

Total Budget

€9.462.866

Coordinator

University of Pavia

Number of Participants

8

Description

DIGI-ME aims at creating, developing, nurturing and sustaining a wide community of EU leaders able to master digitally enabled tools and processes, applied to transformative innovation, to effectively address Europe's priorities in a variety of sectors, such as, but not limited to, energy, healthcare, industry, transportation and society. Students will be subject to a pre-assessment of their digital skills, and a psychological and physiological characterization that allows understanding students' attitudes and emotions. Based on the results of this test and on expected training goals, a career mentor will be assigned to each student to design their own tailored domain and learner model.

Participating Countries

FI

FR

IT

DIGITAL4Security

DIGITAL4Security – European Masters Programme in Cybersecurity Management & Data Sovereignty



[DIGITAL4Security](#)

Start date: 01/10/2023

End date: 30/09/2027

Total Budget

€ 19.985.594

Coordinator

National University of Science and
Technology Politehnica Bucharest

Number of Participants

37

Description

DIGITAL4Security is an innovative and market-led European Master's Programme in Cybersecurity Management & Data Sovereignty. It will equip SMEs and companies across multiple sectors with the cybersecurity, regulatory and technical skills they need to prevent and respond to existing and emerging cybersecurity threats, helping to safeguard European industries from cyber-attack. Digital4Security will be market and industry demand-led at its core, continuously adapting and evolving to address current and future cybersecurity risks and supporting European companies, and in particular SMEs, to minimise security risks, build robust defences, and effectively manage any cyber incident.

Participating Countries

BE

CY

CZ

DE

ES

FR

HR

IE

IT

LT

NL

PL

RO

DigiWind

Digital Masters of Wind and Energy Systems

DIGIWIND

digiwind.org

Start date: 01/01/2024

End date: 31/12/2027

Total Budget

€19.245.974

Coordinator

Danmarks Tekniske Universitet

Number of Participants

10

Description

Supporting Europe's digital and green transition, DigiWind will deliver the interdisciplinary Specialised Education Programmes (SEP) needed to future-proof the careers of Science, Technology, Engineering, and Math (STEM) professionals in wind and energy systems. The project will provide advanced digital skills in areas such as high-performance computing, artificial Intelligence, cybersecurity, and other emerging technologies. DigiWind drives excellence through dynamic cooperation and strategic partnerships, revolutionising education achieved through a robust modular system by featuring three distinct learning journeys: Master of Science (M.Sc.) degrees, self-paced online Masters programmes, and Lifelong Learning Modules.

Participating Countries

DK

IE

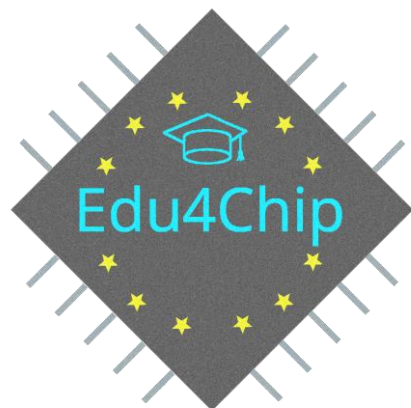
NL

NO

PL

Edu4Chip

Joint Education for Advanced Chip Design in Europe



[Edu4Chip](#)

Start date: 01/10/2023

End date: 30/09/2027

Total Budget

€ 12.856.747

Coordinator

Technical University of Munich

Number of Participants

12

Description

Edu4Chip enhances the chip design capability in Europe by designing and implementing harmonised study programmes at excellent universities in Europe and growing the number of chip design experts. The programmes' unique characteristic is that students will carry out a complete chip design, starting from the high-level description of the hardware and ending with the actual manufacturing (i.e., tape-out) and test of their chips. Experts from a research institute and from industry will accompany the project and support the education of future chip designers. The project is complemented by life-long learning modules, open for training on the job and lateral entry employees.

Participating Countries

BG

DE

DK

FI

FR

SE

EMAI4EU

EMotion Artificial Intelligence specialists for Europe



[EMAI4EU // EIT Digital](#)

Start date: 01/01/2024

End date: 30/06/2028

Total Budget

€8.272.577

Coordinator

EIT Digital

Number of Participants

13

Description

EMAI4EU aims to train the next generation of specialists and innovators in Emotion Artificial Intelligence (EAI) in Europe. It will achieve this goal by designing and delivering a double-degree master's programme (ISCED Level 7, 120 ECTS) in AI with a specialisation in EAI and a minor in Innovation and Entrepreneurship. EMAI4EU master's programme will foster strong interactions and mobility between academia and business, strengthen knowledge triangle integration, promote entrepreneurship, foster inclusiveness, and boost the growth of the existing EIT Digital ecosystem, one of the largest digital ecosystems in Europe.

Participating Countries

BE

ES

FI

FR

HU

IT

EURIDICE

EUropean Inclusive education for Digital society, social Innovation and global CitizEnship



euridice.eu

Start date: 01/01/2024

End date: 31/12/2027

Total Budget

€9.657.301

Coordinator

Stichting VU

Number of Participants

25

Description

EURIDICE is designing and implementing a new EU Joint Master degree with a highly interdisciplinary and research-oriented programme called Digital Society, Social Innovation and Global Citizenship. EURIDICE is also developing an associated Professional Life-Long Learning programme oriented at professionals and executives at work. Additionally, EURIDICE is opening up its international master course modules also for uptake in other master studies, e.g. in national languages (Czech, Slovak, Portuguese, Spanish, Ukrainian).

Participating Countries

AT

CZ

DE

DK

EL

ES

FR

GH

IT

IS

MY

NL

PT

SK

UA

GreenChips-EDU

Building a Digitally-Supported Education Ecosystem for Next Generation Microelectronics Experts in Sustainable Chips and Applications for a Green and Circular Economy



GreenChips-EDU
Educate for a Sustainable Tomorrow

greenchips-edu.eu

Start date: 01/10/2023

End date: 30/09/2027

Total Budget

€ 14.317.758

Coordinator

Graz University of Technology

Number of Participants

15

Description

The GreenChips-EDU project addresses the needs and challenges of a green and digital transition in the microelectronics industry. The consortium aims to build an attractive education ecosystem in green microelectronics by integrating the knowledge triangle of excellent education, industries needs and research challenges. The focus of the harmonised curriculum is on energy efficiency and the development of sustainable integrated circuits. The project offers a wide range of degree programmes including mutual recognition as well as self-standing modules, implementing staff and student mobility, digital learning formats and upgrading infrastructure.

Participating Countries

AT

BF

DE

ES

FR

HR

IT

PT

BF = Burkina Faso, an associate partner

Skills4Deca

Housing Decarbonisation Skills for Climate, Health and Jobs

[Skills4Deca](#)

Start date: 01/02/2024

End date: 31/01/2028

Total Budget

€5.515.909

Coordinator

Rigas Tehniska Universitate

Number of Participants

7

Description

Skills4Deca aims to reach the skills needs of the housing decarbonisation industry sector in the Baltic countries. The targeted audience that does not necessarily have a digital background are housing managers, landlords, certified construction engineers, evaluators of the technical condition of the building, energy auditors and construction designers. The enriched bachelors and master programmes will deliver advanced digital content, hands-on sessions, up-to-date training and seminars led by professionals of the sector and will enable graduates to deploying digital solutions for smart housing, always bearing in mind energy efficiency and the EU Green Deal purpose.

Participating Countries

EE

LT

LV

SPECTRO

Specialised Education programmes in Cybersecurity and Robotics



[SPECTRO // EIT Digital](#)

Start date: 01/09/2023

End date: 31/08/2027

Total Budget

€ 9.997.952

Coordinator

EIT Digital

Number of Participants

15

Description

The project SPECTRO focuses on the design and delivery of two double-degree master's programmes in two key digital technology areas for the future of Europe: 1) Cybersecurity and 2) Robotics. The two specialised master's programmes, which also include a minor in Innovation and Entrepreneurship, are designed and delivered by a consortium consisting of 12 higher education institutions from 7 different countries, 2 innovative SMEs, 1 leading research centre in Information Systems and EIT Digital, a pan-European organisation with in-depth knowledge and experience in the digital skills domain.

Participating Countries

BE

FI

FR

HU

IT

NL

RO

SE

HPC SPECTRA

HPC Skills Platform and European Collaboration for TRaining

HPC SPECTRA

Start date: 01/01/2024

End date: 31/12/2025

Total Budget

€ 1.999.799

Coordinator

National University of Ireland
Galway

Number of Participants

6

Description

The European High Performance Computing Joint Undertaking (EuroHPC JU) is leading the way in European supercomputing. To exploit the ambitious European investments in research and infrastructure, training of future HPC users is key. HPC SPECTRA will address two timely challenges of EuroHPC JU's training strategy: developing an innovative EuroHPC Training Platform and co-organising the International HPC Summer School (IHPCSS) editions of 2024 and 2025. Through these actions, the project will provide an intuitive gateway to a comprehensive database of European HPC training activities and sustain the successful series of the IHPCSS, started in 2010.

Participating Countries

DE

ES

HU

IE

LU

Placeholder

Call for proposal: EuroHPC traineeships in Hosting Entities, Centres of Excellence and Competence Centres, SMEs and Industry

[EU Funding & Tenders Portal](#)
([Europa.eu](#))

Description

The awarded project will contribute to bridge the gap between education and labour market, providing future HPC users across the EU with the opportunity to work in HPC environments, having access to the latest technological developments and valuable know-how.

Future HPC specialists will acquire the necessary advanced digital skills needed for the deployment of a specific technology via the provided traineeships in either an HPC competence centre, companies or SMEs using HPC systems or EuroHPC Hosting Entities.

EmpowerED

EmpowerED, thriving Edtech ecosystem for better learning



empowerededtech.eu

Start date: 01/01/2023

End date: 31/12/2025

Total Budget

€ 2.976.333

Coordinator

European Schoolnet

Number of Participants

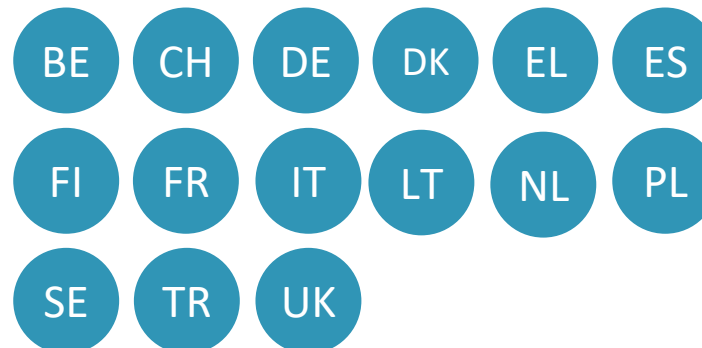
24

Description

EmpowerED aims to establish a pan-European network and platform for exchanges between European EdTech initiatives, support organisations, practitioners, and policymakers. The project will map the EdTech landscape in Europe to reflect the current state of play in the sector. This will provide insight into trends linked to new schooling models and innovative education solutions.

Additionally, the project will provide new databases, training modules, events and open-source guidelines to support, strengthen and grow the European EdTech community.

Participating Countries



DIGITAL SKILLS AND JOBS PLATFORM (DSJP)

The home of Digital Skills & Jobs (DSJ) initiatives in Europe and the heart of the DSJ Community



**Digital Skills &
Jobs Platform**

digital-skills-jobs.europa.eu

Start date: 01/09/2020

End date: 31/08/2024

Total Budget

€ 7.434.180

Coordinator

European Schoolnet

Number of Participants

6

Description

The DSJP provides a wide range of high-quality information, resources and opportunities in the area of digital skills and jobs across all levels, from very basic to advanced. Additionally, a collaborative space is available for Community members to network, interact and grow together. The DSJP offers insights into EU and national initiatives and actions supporting digital skills and jobs, training opportunities and career development support, good practices, expert advice, resources and tools, data, research-based facts and figures, funding opportunities and financial instruments, thriving interactive community spaces, news, opinions and events.

Participating Countries

BE

RO

LT

DS4Skills

Support actions for the set-up of a European data space on skills



skillsdataspace.eu

Start date: 01/09/2022

End date: 31/08/2024

Total Budget

€ 997,622

Coordinator

DIGITALEUROPE AISBL

Number of Participants

14

Description

Data Space for Skills (DS4Skills) aimed to identify relevant data sources for the skills data space based on stakeholders' needs and propose conceptual approaches for the future deployment of European Data Space for Skills.

Via the wide and multidisciplinary network of partners, the project build consensus and engaged with the broad community of skills stakeholders.

Participating Countries

BE

DE

FI

FR

IT

NL

SE

SI



ADVANCED DIGITAL SKILLS

DIGITAL EUROPE PROGRAMME



Funded by
the European Union

Brochure prepared by

