



## Delivering blockchain skills for Europe

In this newsletter, learn more about:

- CHAISE latest results & updates
- How to contribute and support CHAISE results
- CHAISE consortium partners in the focus
- Relevant events and publications curated by the CHAISE consortium
- CHAISE's project evolution

### The coordinator's foreword

Dear Reader,

As we conclude the CHAISE project, we reflect on an exciting four-year journey of collaboration and progress in enhancing blockchain skills across Europe. I am proud to share the results of our efforts.

Among our key achievements is the launch of the **CHAISE Career Guidance platform**, offering essential resources to individuals pursuing careers in the blockchain sector. We also presented the **2024 Blockchain Skills Forecast**, providing insights into the most in-demand skills in Europe's blockchain job market, helping professionals and businesses stay competitive in this evolving field.

Our partners also developed **national action plans** in multiple languages to meet the specific needs of various regions and support local blockchain skill development. Additionally, we celebrated our achievements at the **final project event** and **national information days**, raising awareness of the project's goals and outcomes.

While the CHAISE project concludes, our commitment to fostering blockchain skills development remains strong. The groundwork laid will serve as a foundation for future initiatives aimed at addressing skill shortages and the evolving demands of the blockchain workforce.

Thank you for your support throughout this journey. Stay connected via our website and social media channels, and consider joining our Alliance as an associated partner to further our shared vision.

*Prof. Parisa Ghodous*

### Our latest result & updates

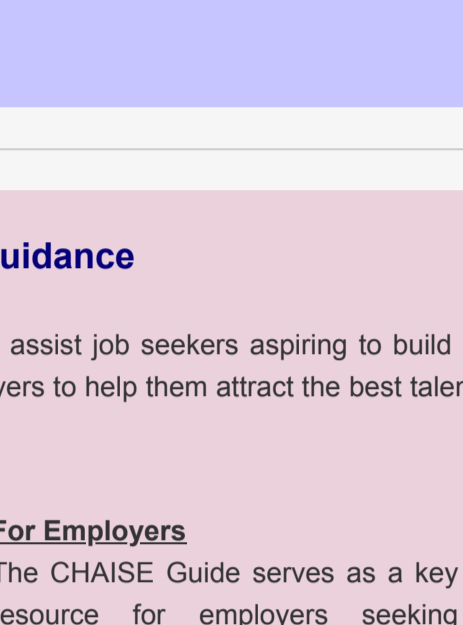
As the CHAISE project wraps up in October, we are excited to share its key results and outputs. This includes our comprehensive learning materials: an online blockchain skills and certification and a guide for trainers to deliver an impactful training experience. Additionally, the project has developed career guidance resources to support job seekers and employees. Our Blockchain Skills Forecast 2024 highlights the demand and supply of blockchain skills across Europe, utilizing both quantitative and qualitative data. Furthermore, the CHAISE National Action Plans, which translate the project's findings into actionable measures to tackle local challenges, are presented.

### CHAISE Learning Resources

To tackle blockchain skills mismatches in Europe and create a EU blockchain skills ecosystem, CHAISE has developed a comprehensive package of free learning resources available in 11 European languages. The developed resources are part of "Mastering blockchain and Distributed Ledger technology", CHAISE blockchain skills online course available on the Thinkific MOOC platform, but are also available in downloadable format on CHAISE website. CHAISE blockchain skills online course is designed to provide a solid knowledge in blockchain and DLT for both students looking to pursue a career in this industry and professionals in the tech world who want to upskill or enhance their existing knowledge in blockchain technology. In addition, learners have the opportunity to choose between three specialisation learning pathways: Blockchain Developer, Blockchain Manager and Blockchain Architect for which they can receive a certification. To be certified as one of these job profiles, the learner must collect theory and practical badges for each of the 12 modules of the course. The achievement of a theory or practical badge leads to the award of a module certificate.

As the CHAISE course includes many learning materials, the learners will "collect" badges and module certificates as they move through the course. Once the learner has successfully obtained the theory and practical and badge for a module, they will be awarded with the module certificate. After receiving the certification of each module, the learner will obtain the full course certification, which will be issued by CHAISE partner ECQA.

[CHAISE learning resources](#)



The CHAISE online course certification strategy is largely based on the principles of the International standard ISO/IEC 17024:2012-07 conformity assessment - general requirements. So far more than 700 learners have enrolled in the CHAISE blockchain skills online course and this number is expected to grow in the near future.

In addition to this, CHAISE has designed a **Trainer's Guide** to provide trainers with guidelines and resources to deliver an optimized and impactful learning experience on blockchain and distributed ledger technologies. The guide is available for all educators who wish to conduct in-person or online blockchain training and explains how ICT trainers can deliver the CHAISE course lectures in both informal and formal settings.

[CHAISE Trainer's guide](#)

### CHAISE Career Guidance

CHAISE has developed a comprehensive guide to assist job seekers aspiring to build a career in Blockchain and DLTs as well as for employers to help them attract the best talent in the blockchain sector.



#### For Job seekers

CHAISE career platform offers key resources for job seekers within the blockchain industry. Through our comprehensive job portal repository, job seekers can explore a diverse range of promising employment opportunities, discover tips & tricks on how to kickstart a career in blockchain provided by our expert and enhance their blockchain skills with CHAISE learning resources to be more competitive on the job market.

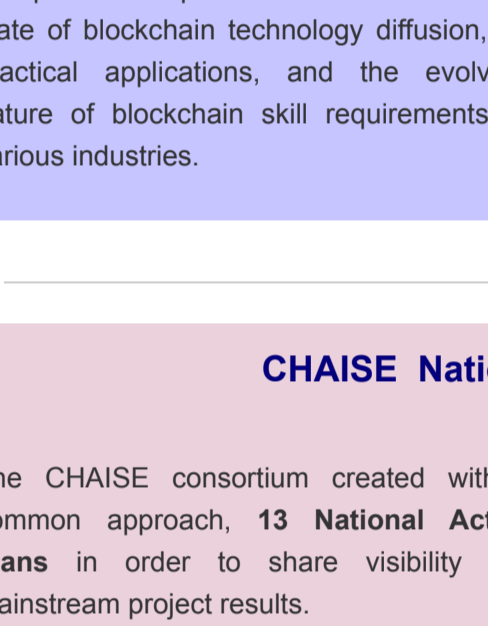
[Job seekers' resources](#)

#### For Employers

The CHAISE Guide serves as a key resource for employers seeking skilled professionals to enhance their operations in the rapidly evolving landscape of blockchain technology. Within this guide, employers will discover effective strategies for attracting highly qualified blockchain experts, as well as insights into crafting compelling job advertisements that engage potential candidates. Additionally, the guide offers recommendations for identifying optimal platforms to reach the appropriate audience for job openings.

[Employers' resources](#)

### CHAISE Forecast 2024



The CHAISE partnership has released its Blockchain skills forecast for 2024, which entails the most up-to-date estimates on blockchain skills demand and supply in Europe. CHAISE Forecast 2024 was developed using both quantitative and qualitative methods to offer an in-depth analysis of the blockchain landscape in Europe. The report examines the current state of blockchain technology diffusion, its practical applications, and the evolving nature of blockchain skill requirements in various industries.

A key feature of the CHAISE Forecast 2024 is its detailed analysis of occupational variations in blockchain skills demand throughout Europe. In collaboration with CHAISE Consortium members, the report identifies and provides the annual update for the key occupational profiles in the blockchain sector. This information is crucial for understanding the evolving blockchain market landscape and helps guide both professionals and educational institutions in preparing for future blockchain-related roles.

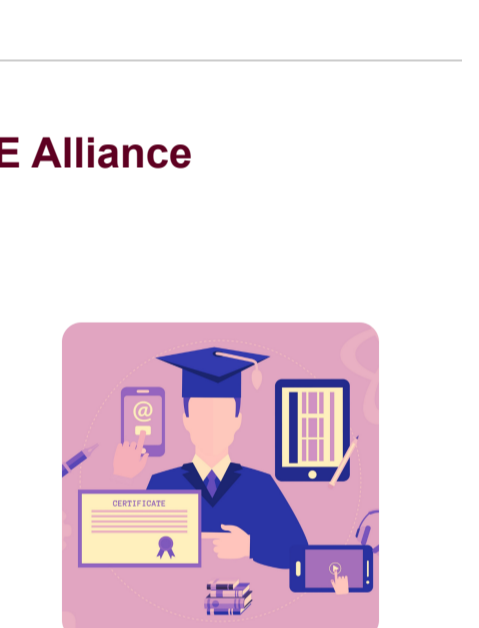
[Discover CHAISE forecast 2024](#)

### CHAISE National Action Plans

The CHAISE consortium created with a common approach, **13 National Action Plans** in order to share visibility and mainstream project results.

The National Action Plans interpreted project results and lessons learned throughout the project duration into specific measures and activities to address territorial (national or regional) specificities and challenges, in line with the European Blockchain Skills Strategy created during the course of the project.

National plans are expected to lead to new national programs (Skills) strategies or thematically broader policy instrument or bring structural changes in existing ones, and allocate more funds for restructuring educational systems and for the roll-out of blockchain solutions/services.



All partners will circulate own country's action plan to national stakeholders for consultation and feedback, and promote National Blockchain Skills Partnerships to secure a critical mass of participating stakeholders.

[Discover the National Action Plans](#)

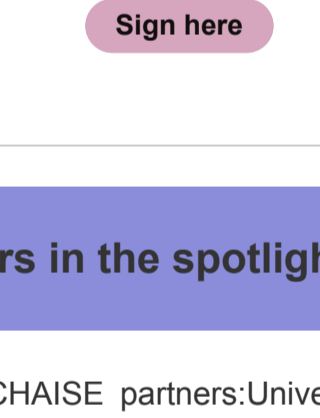
## Contribute & support our results

How to engage with the Blockchain community? Discover how you can contribute to the CHAISE activities and support us in achieving our goals!

### Join the CHAISE Alliance

As the Sector Alliance for Blockchain Skills, CHAISE expanded its horizons and welcomed interested organisations to join its Alliance and actively participate in and enhance CHAISE's results. Organisations that joined the Alliance had possibility to showcase their work on the CHAISE website, contribute to CHAISE workstreams and be involved in next phase of the project. To become Associated partners, organisations are required to formalise their commitment by signing a [Memorandum of Cooperation \(MoC\)](#). Discover [here](#) the organisations that have joined so far.

[Join us](#)



### Sign our Statement of Support

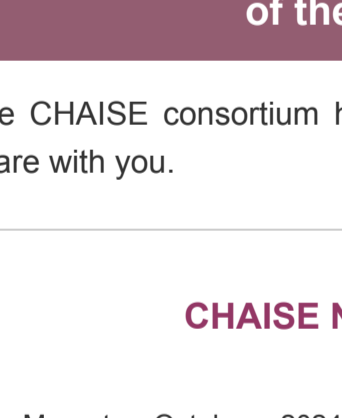


CHAISE invites Blockchain stakeholders from across Europe to **acknowledge the identified emerging occupational profiles in the Blockchain field** and to contribute to the advancement of the project's objectives to **reinforce education in digital competences** by signing a [Statement of Support](#). By recognising the results, stakeholders will contribute to providing a clearer description of the different blockchain roles and possible educational approach, thus contributing to a joint effort to fulfill the growing needs of the blockchain sector.

[Sign here](#)

### CHAISE consortium partners in the spotlight

In this edition, get to know more about CHAISE partners: University of Tartu, Universitat Politècnica de Catalunya, Fujitsu



The **University of Tartu** (UT), is one of the leading institutions for innovative education and excellent research in the Nordic region. Established in 1632, the University of Tartu is ranked in the top 1.2% of the world's top universities.

**Institute of Computer Science**, prepares students to discover, innovate, and apply new knowledge in computer science. The Institute cooperates with many educational and research institutions and has numerous contacts with trade associations, consultancies, and industry.

The **Information Security research group**, is within the Software Engineering & Information Systems chair. The group conducts research and teaching in information security, emphasising secure system design and requirements engineering.

In CHAISE, UT **contributed to skill intelligence gathering**. Most significantly, UT **defined the CHAISE curriculum learning outcomes, led the creation of CHAISE educational resources, and piloted the CHAISE online course** on "Mastering Blockchain and Distributed Ledger Technologies". To mainstream project results, the UT **organised a national information day and an exhibition event**.

### Past and upcoming events & publications of the CHAISE consortium

The CHAISE consortium has selected its key events and publications to share with you.

#### CHAISE National Information Days

From May to October 2024, the CHAISE partnership held its National Information Days across 13 European countries including: Austria, Bulgaria, Belgium, Estonia, France, Germany, Greece, Ireland, Italy, Luxembourg, Romania, Slovenia, Spain.

This event series was designed to disseminate the project's outputs and results to sector stakeholders, education and training providers, and public authorities at the national and regional level.

During the CHAISE National Information Days, participants had the chance to gain insights into the key project's outputs, including the CHAISE blockchain skills course and learning resources and CHAISE blockchain skills forecasting activities.

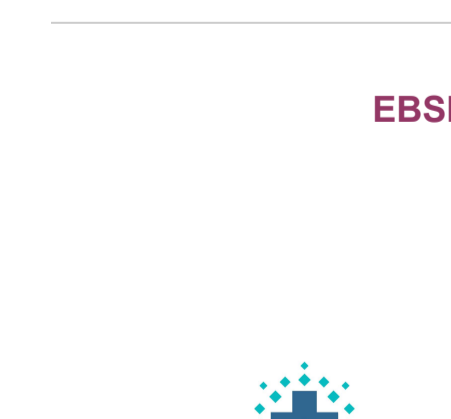
Additionally, several panels held during the events provided a valuable opportunity for attendees to exchange expertise, share ideas, and network with industry professionals.



The CHAISE National Information Days aimed at enhancing participants' understanding of project results, facilitating their adoption, explore future directions for blockchain technology, and foster networking opportunities among attendees.

[Discover the series](#)

#### CHAISE Workshop & Exhibition events: "Teach and Work on the Blockchain Landscape"



After the success of its final event, CHAISE held its concluding workshop and exhibition event at the end of September in Brussels and online.

The event showcased the project's key outcomes to provide a clear pathway for strengthening blockchain skills within the EU market.

Participants had the opportunity to explore key outcomes of the project, including CHAISE's blockchain skills learning resources, CHAISE's career guidance, and CHAISE's blockchain skills forecasting activities.

In addition, the event brought together industry leaders, academics and policymakers to launch the European Blockchain Skills Cooperation Network (EBSCN), a crucial initiative to ensure the long-term sustainability and growth of the CHAISE community in the project's post-funding period.

Participants were then also able to share their ideas on developing blockchain skills in Europe, the future of CHAISE, and its evolution into EBSCN.

[Read more](#)

### Partners' corner

Our network has plenty of interesting publications and opportunities! We wouldn't want you to miss them.

#### EBSI-VECTOR Piloting

By now, more than 30 institutions have joined, and the pre-production phase is expected to conclude by May 2025.

Participating institutions will have the opportunity to integrate their services for the following use cases: Transcript and Academic Record Management, Employer Verification Scenarios, Student Card Verification & Revocation Scenarios, and Publishing & Copyright Protection.

For educational providers interested in blockchain technology, now is the time to join the EBSI-Vector project! More information can be found here

[More information](#)



In the EBSI-Vector project, CHAISE partner CIMEA is coordinating the onboarding of institutions to implement European Blockchain Services Infrastructure (EBSI) capabilities in the educational domain.

#### INATBA Digital Blockchain Week



From October 8 to 10, CHAISE partner INATBA hosted the third edition of its Digital Blockchain Week.

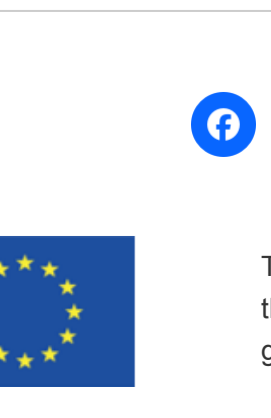
As a community partner, CHAISE participated in the event to highlight the transformative potential of blockchain across various industries.

The 2024 Digital Blockchain Week featured engaging panel discussions and project presentations led by industry leaders and blockchain experts.

Key topics included the impact of blockchain on society and the environment, the evolving regulatory landscape, and real-world applications of blockchain technology.

[More information](#)

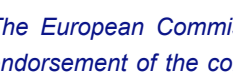
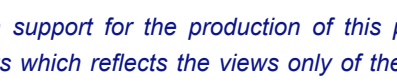
### What's next?



Its vision for the future includes enhancing Europe's leadership in blockchain technology while embracing tech convergences such as artificial intelligence, cybersecurity, and the Internet of Things.

The network's long-term goal is to equip Europe with the skills needed to lead globally in blockchain innovation, ensuring it remains at the forefront of emerging technological ecosystems. Join the CHAISE Alliance now to be the first one to become part of the EBSCN:

[JOIN NOW!](#)



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