

Blockchain skills for ICT professionals - BLISS

Objectives, activities and outcomes



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BLISS Objectives

BLISS aims to improve the skills and competences of ICT professionals by:

- Developing and making available **educational resources and materials** to address existing occupational needs and mismatches, resulting from the dynamic penetration of, accounting, auditing and government services)
- Producing high quality **OERs blockchain technology** across all sectors of the EU economy (including banking in order to enhance ICT uptake in education and training)
- Developing a **Vocational Open Online Course (VOOC)** infrastructures & content to support large scale and open access participation in training activities

START DATE: 01-10-2017

END DATE: 31-03-2020

DURATION: 30 Months



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BLISS Transnational Strategic Partnership

Partner	Official Name	Country	Role
UCBL	UNIVERSITE LYON1 CLAUDE BERNARD	France	Coordinator/Project management team
BT	BUSINESS TRAINING SA	Belgium	Partner
AICA	AICA ASSOCIAZIONE ITALIANA PER L'INFROMETICA E IL CALCOLO AUTOMATICO	Italy	Partner
EXELIA	EXELIA.E.E.	Greece	Project management team/project
UT	TARTU ULIKOOL	Estonia	Partner
TELESIG	TELESIG LTD	Bulgaria	Dissemination Leader



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Overview of BLISS Activities, Outputs & Events

- Evidence based learning outcomes on blockchain technology applications/solutions; i.e. what learners would know, understand and be able to do upon completion of the BLISS modular course
- BLISS curriculum outline and VET integration guidelines; comprising modular units that can be used by VET providers for training ICT professionals in blockchain technology applications
- BLISS open educational resources including educational instructions, learning and assessment materials
- Vocational Open Online Course (VOOC) infrastructures & content
- Framework for the integration of the blockchain skills into EU certification and standardization schemes; including a Blockchain skills certificate supplement and a Position paper to support the integration of blockchain skills into e-competence framework
- Three BLISS demonstration workshops in France, Belgium and Estonia
- Three BLISS national information days in Italy, Greece and Bulgaria



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1st Semester - Outputs & Activities

- Kick-Off Meeting in Lyon
- 1st semester operational workplan
- Quality Assurance Plan
- Dissemination & Exploitation Plan
- Project website & project logo
- Social media accounts (Facebook, LinkedIn, Twitter)
- Printable materials templates (leaflet & brochure)
- Evidence based learning outcomes



START DATE: 01-10-2017

M1-M6: October 2017- March 2018

END DATE: 31-03-2018



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Kick-Off Meeting in Lyon (FR)

- Date: 16th-17th November 2017
- Venue: UNIVERSITE LYON1 CLAUDE BERNARD, Lyon, France
- Participation: all partners
- Agenda (discussion topics): overview of project activities & workplan

- BLISS Target Groups:
 - ✓ ICT professionals in need of C-VET
 - ✓ VET providers
 - ✓ Occupational associations and networks, social partners and enterprises active in ICT
 - ✓ Policy makers (EU-28 Ministries of Education, National Qualifications Agencies, Sectors Skills Councils, Standard Setting Organisations)



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Evidence based learning outcomes (Leader: UCBL)

- **Desk and field research** on current and future training needs for ICT professionals, arising from the dynamic penetration of blockchain technology in across multiple sectors of the EU economy (banking, accounting, and public services) in each BLISS partner country and the EU overall
- **Definition of workplace requirements** to support the development of the BLISS course via the analysis of collected data, addressed to VET providers and course designer within the ICT sector, which will define and present the foundations for the development of an up-to-date course on blockchain technology for ICT professionals

START DATE: 01-10-2017

END DATE: 31-03-2018



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BLISS curriculum outline and VET integration guidelines (Leader: UT)

- Development of the **BLISS curriculum** structure comprising of modular learning units that can be used by VET providers for training ICT professionals (including IVET students) in blockchain technology applications. Elaboration of the defined learning outcomes into 5 - 6 learning units or modules
- Each learning unit will correspond to a unique set of knowledge, skills and competences which will thematically address the different applications of blockchain technology such as:
Blockchain essentials for ICT professionals, Understanding blockchain platforms, programs & protocols (Ethereum, Ripple, Hyperledger), practical applications of blockchain in finance, accounting and public services, delivering blockchain technology solutions for businesses & public administrations; developing use cases, proof of concepts (POC) and proof of value (POV), communicating the merits of blockchain technology to customers and within own organization
- The creation of a **practical guide for VET providers** to facilitate the integration of the developed learning outcomes and learning units into VET curricula for ICT professionals

START DATE: 01-04-2018

END DATE: 31-03-2020



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BLISS Open Educational Resources (Leader: BT)

- Development of training resources and assessment material based on the BLISS units of learning outcomes and will provide learners with the opportunity to evaluate the extent to which they have attained the desired knowledge and skills.
- Materials include: lecture notes/presentation slides, case studies, FAQs, multiple choice questions, timed categorization exercises, short response questions
- Development of a toolkit to assist trainers in organizing and implementing a training program for ICT professionals in blockchain technology based on BLISS educational resources

START DATE: 01-09-2018

END DATE: 31-03-2020



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Vocational Open Online Course - VOOC (Leader: EXELIA) 1/2

- The BLISS VOOC will comprise the BLISS learning units and contextualised training and assessment materials in their online form (lecture notes / textual documents, presentations, multimedia files, online interactive tools) and introduce additional VOOC pedagogical resources (e.g. VOOC video units, work assignments, collaboration mechanisms, etc.), openly available to learners.
- The BLISS VOOC, offered in **seven languages (EN, FR, BE, EE, IT GR, BG)**, will include video units, supporting material (slides, handouts, self-tests), a discussion forum for interaction among participants, weekly assignments and a final exam leading to a "record of achievement".

START DATE: 01-04-2018

END DATE: 31-10-2019



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Vocational Open Online Course - VOOOC (Leader: EXELIA) 2/2

IMPLEMENTATION STEPS

- Identification of VOOOC providers for hosting the online course (www.openlearning.com). Development of the VOOOC structure and functionalities in six partner languages and English.
- Development of additional pedagogical materials such as video units, work assignments as well as peer collaboration mechanisms (discussion forums, social media accounts, and blog).
- Launch and run of a 3 weeks pilot online course in English to test VOOOC's functionality and its fine-tuning

START DATE: 01-04-2018

END DATE: 31-10-2019



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Framework for the integration of blockchain skills into EU certification and standardization schemes (Leader: AICA)

- Establishment of a framework to promote and facilitate the validation of project materials in line with EU mobility and transparency framework & tools to increase the quality, relevance and attractiveness of VET provision for ICT professionals
- Lay the ground for the establishment of a certification scheme for blockchain related skills and promote the integration of blockchain skills requirements into e-Competence framework & support decision making on VET and skill development policies
- Addressed to policy-makers, stakeholders that participate in policy-making consultations, VET providers, and organisations representing VET provision.

START DATE: 01-09-2019

END DATE: 31-03-2020



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Dissemination Materials (Leader: TELESIG) 1/2

- Project logo
- Website <http://bliss-project.eu/>
- Social media accounts:



Facebook | <https://www.facebook.com/blissproject2017/>



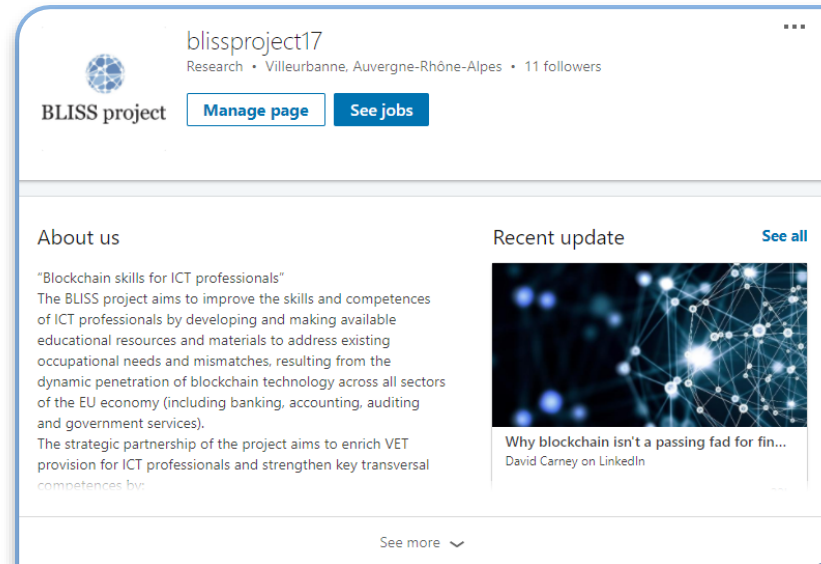
LinkedIn | <https://www.linkedin.com/company/bliss-blockchain-project/>



Twitter | <https://twitter.com/blissproject17>



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Dissemination Events (Leader: TELESIG) 2/2

- E-mail campaigns every semester in each partner country
- Three demonstration workshops in France, Belgium & Estonia to promote BLISS results and validate BLISS learning materials

To be held: 01-10-2019 and 31-10-2019 (M25)

- Three national information days in Italy, Greece & Bulgaria to share and disseminate BLISS results

To be held: 01-11-2019 and 30-11-2019 (M26)



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Contact info:

Partner Name: (please add your organization's details)

Website: (please add your organization's details)

Project Contact Person: (please add your organization's details)

Email: (please add your organization's details)

Project Website: <http://bliss-project.eu/>

LinkedIn: <https://www.linkedin.com/company/bliss-blockchain-project/>

Facebook: <https://www.facebook.com/blissproject2017/>

Twitter: <https://twitter.com/blissproject17>



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