



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

Blockchain skills for ICT professionals - BLISS

4th semester overview, activities & outputs

April – September 2019



BLISS Overview

PROJECT AIMS

- Strengthen key competences (initiative, entrepreneurship and digital skills) in VET provision for ICT professionals
- Address existing occupational needs and mismatches, resulting from the dynamic penetration of blockchain technology across the EU economy

MAIN OUTPUTS

- Training & Assessment material
- 1 Trainer handbook
- Vocational Open Online Course
- 3 demonstration workshops (FR, BE, EE)
- 3 information days (IT, GR, BG)
- Blockchain skills certificate supplement
- 1 position paper

CONSORTIUM

1. University Claude Bernard Lyon 1 - **France**
2. Business Training - **Belgium**
3. University of Tartu - **Estonia**
4. EXELIA - **Greece**
5. Italian Association for computer science and Automatic Calculation - **Italy**
6. TELESIG Ltd. - **Bulgaria**



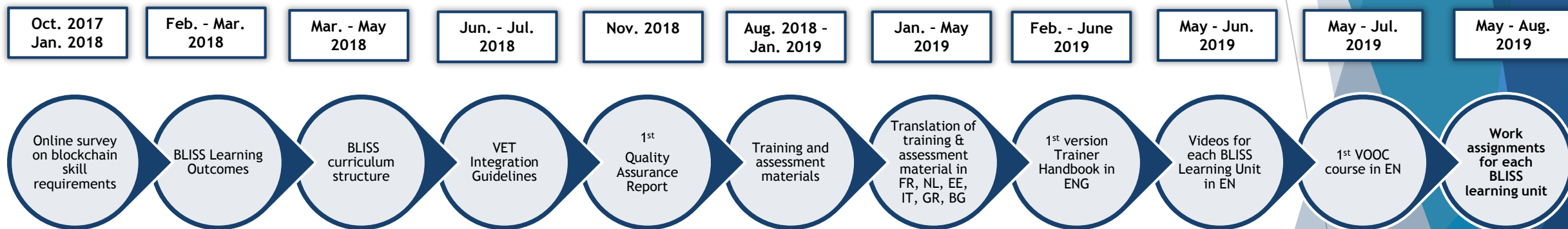
BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union



Accomplishments since BLISS initiation - October 2017



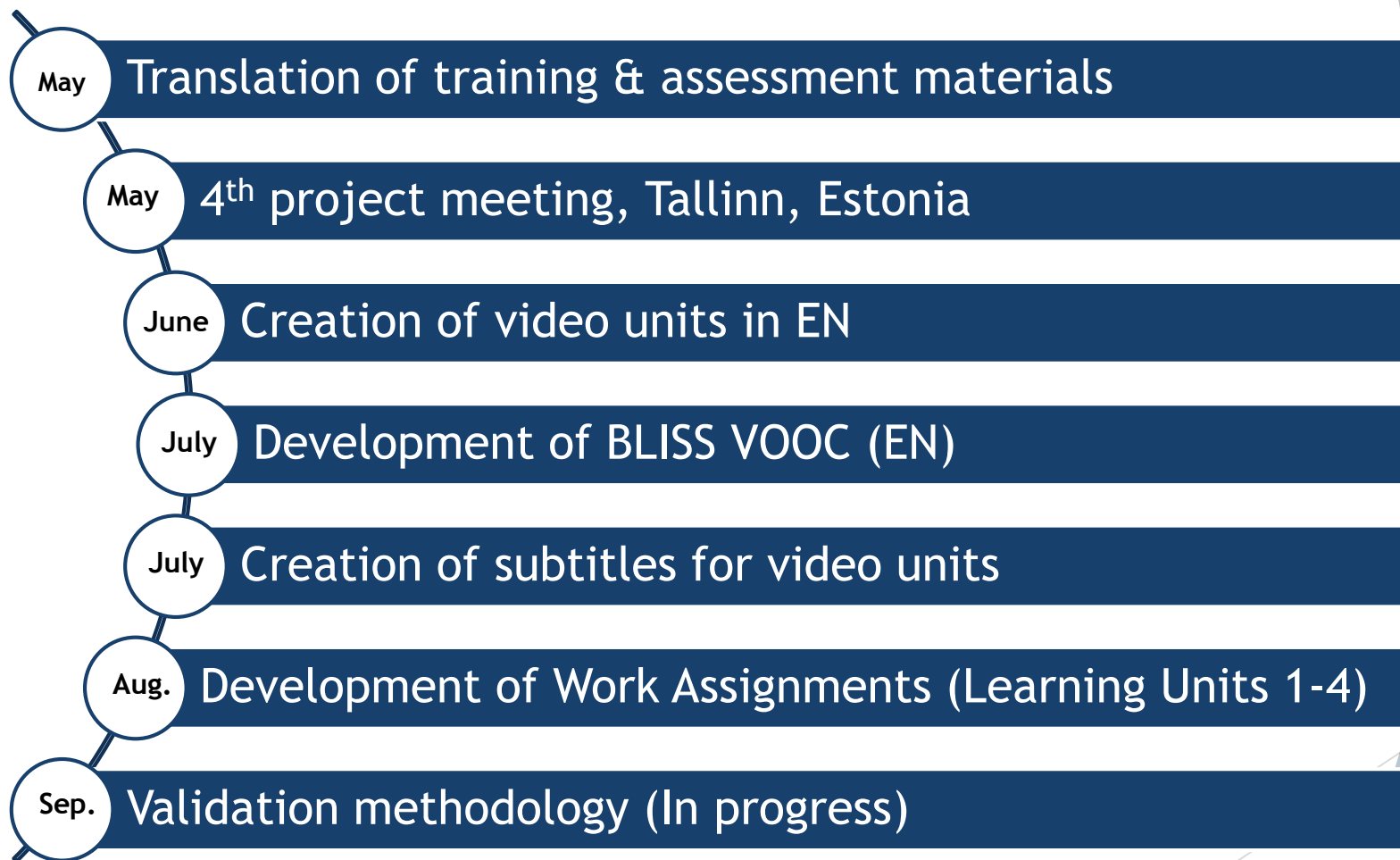
BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

BLISS 4th semester activities

April - September 2019



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

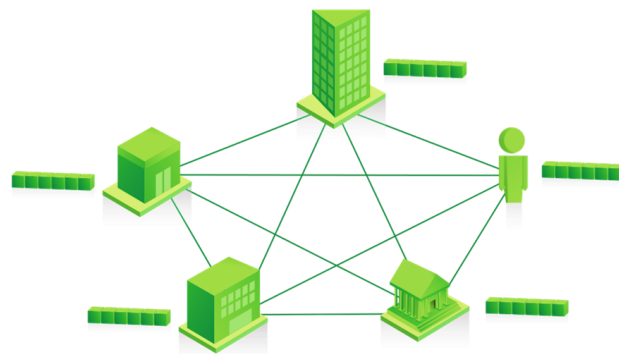
BLISS Course overview

➤ Unit 1: Blockchain essentials for ICT professionals

- Give an account of the advantages and disadvantages of the features of a specific blockchain application, namely in terms of security, decentralization and consensus attainment
- Autonomously explain the operation of a smart contract in a given blockchain

➤ Unit 2: Blockchain platforms

- Evaluate the feasibility of implementing the specified decentralized blockchain
- Provide expertise to report on a detailed plan of tests of the specified decentralized blockchain application

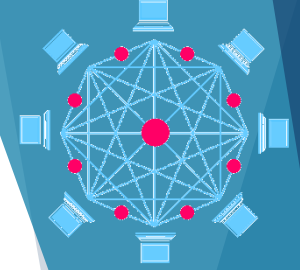


BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

BLISS Course overview



➤ Unit 3: Communicating the business merits, challenges & implications of blockchain technology

- Interpret the legal, regulatory and consumer challenges to wider blockchain adoption and conformance
- Monitor the intervention of blockchain technology in business models
- Analyse blockchain SWOT (Strengths, Weaknesses, Opportunities, Threats) for specific industry scenarios
- Intelligibly present blockchain industry business models
- Communicate business opportunities behind the limits of the blockchain



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

BLISS Course overview

➤ Unit 4: Practical design and development of blockchain applications

- Critically evaluate the technical options for blockchain solution suitable to varied practical scenarios
- Report on the feasibility of selected blockchain solution to the specific scenarios
- Account for optimization of application development, maintenance and performance by employing design patterns and by reusing proved solutions
- Autonomously report on the advancement of the application development



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

BLISS Vocational Open Online Course in blockchain skills for ICT professionals



- The online course consists of a **training program on blockchain skills** that aims to **support ICT professionals** in their effort to **develop skills and competences related to blockchain technology**, in order to understand, work with and manage blockchain projects, helping them to keep-up with the increasing demands of the labour market.
- After completing each learning unit, **online tests, multiple choice questions & work assignments** are available to facilitate the learner's understanding of the included concepts.
- Using working instructional solutions, along with suggestions from the other learners (if any), everyone will be able to evaluate their own work by themselves. Tasks are for understanding and development, not for evaluation. It is recommended the students to discuss their work among themselves - before, during and after the self-assessment process.
- **Certificates of completion** are available upon-request after completing the online course



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

About the BLISS online course...

- **Approximate Duration:** 6 weeks
- **Time to spend in each week:** 10 - 15
- **Languages:** English, French, Dutch, Italian, Estonian, Greek, Bulgarian
- **EQF Level:** 5
- 4 learning units
- **Contextualized training & self-assessment materials** for each learning unit
- Discussion forum to exchange ideas between learners

2 week pilot-course in English begins **Monday 30th September...** register for free on the BLISS course <https://www.openlearning.com/courses/bliss-mooc>



BLISS project

The screenshot shows the OpenLearning interface for the BLISS course. At the top, there's a navigation bar with 'About', 'Outcomes', 'Instructors', and a 'JOIN NOW' button. The main heading is 'BLISS - Blockchain Skills for ICT Professionals'. Below this is the BLISS logo and the text 'Online Course'. To the right, there's a sidebar with icons and text: 'Certificate Type: Certificate of completion', 'Start Date: Start any time', 'Duration: Flexible', and 'Cost: Free', followed by a 'JOIN NOW' button. The main content area describes the course as covering 'blockchain, distributed ledger, cryptography, cryptocurrencies, smart contracts, bitcoin, peer-to-peer network'. It also includes a paragraph about blockchain technology and its impact on the global economy, mentioning the World Economic Forum's prediction that 10% of economic transactions/exchanges will be stored with blockchain technology by 2027. At the bottom of the content area, there are social media icons for Twitter, Facebook, and LinkedIn.



Co-funded by the
Erasmus+ Programme
of the European Union

About the BLISS online course...

<https://www.openlearning.com/courses/bliss-mooc>



The screenshot shows the BLISS VOOC (Virtual Open Online Course) interface. On the left is a dark blue sidebar with navigation links: Home, Syllabus, Welcome Activity, Learning Units (highlighted with a right arrow), Announcements, Discussion Forum, and Course Feed. The main content area has a white background. At the top, a box says "Welcome to BLISS VOOC!". Below this is a paragraph of text about blockchain technology and its impact. In the center is the BLISS Online Course logo, which consists of a blue geometric sphere above the word "BLISS" and "Online Course" below it. Below the logo are two boxes: "About the project" and "Getting Around For Students". The "About the project" box contains text about the BLISS project's funding and goals. The "Getting Around For Students" box contains instructions on how to navigate the course. At the bottom of the main content area is a dark blue banner with the text "FAQs Frequently Asked Questions" and three question marks.

Welcome to BLISS VOOC!

Blockchain - the technology underpinning smart contract platforms (e.g. Ethereum), digital currencies (e.g. Bitcoin), and digital payment clearing systems (e.g. Ripple) - is a technological innovation that is revolutionising our society and driving economic change on a global scale by reducing the cost of transactions and the time lapse of working through intermediaries. According to the World Economic Forum, 10% of economic transactions and exchanges (globally) are expected to be stored with blockchain technology by 2027. The demand for blockchain related skills, such as communicating the merits of blockchain technology and delivering practical blockchain technology solutions for both businesses and public administrations, in the ICT sector evolves quickly making continuous professional up-skilling and development of such core competences essential. The BLISS VOOC is a comprehensive online course on blockchain technology and practical applications that allows learners to follow flexible learning pathways for strengthening their key digital and entrepreneurship skills.

BLISS
Online Course

About the project

The BLISS project, funded under the Erasmus+ programme, forms a Strategic Partnership 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 blockchain technology across main sectors of the EU economy such as banking, accounting, auditing and government services. For more information, please visit: <http://bliss-project.eu/>

Getting Around For Students

First time on OpenLearning? Click on the **Learning Units** tabs in the side bar to access the course content and activities. On mobile, the navigation is located in the ☰ menu. To move forward after you've done an activity, scroll to the bottom of the page (be sure to check out what your fellow learners have said along the way) and click on "next page". All activities must be attempted to reach 100% and complete the course! Nevertheless, the modular format of the course allows you to choose those materials and activities that best address your individual training needs and priorities.

FAQs
Frequently Asked Questions ???



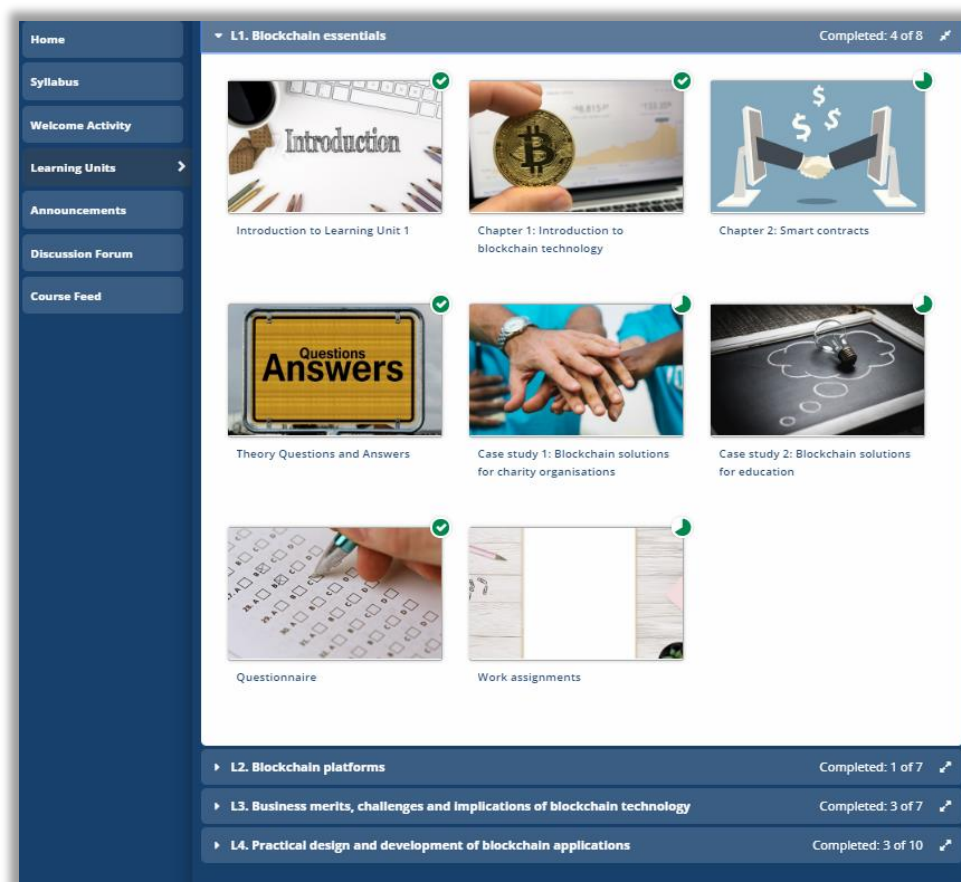
BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

About the BLISS online course...

<https://www.openlearning.com/courses/bliss-mooc>



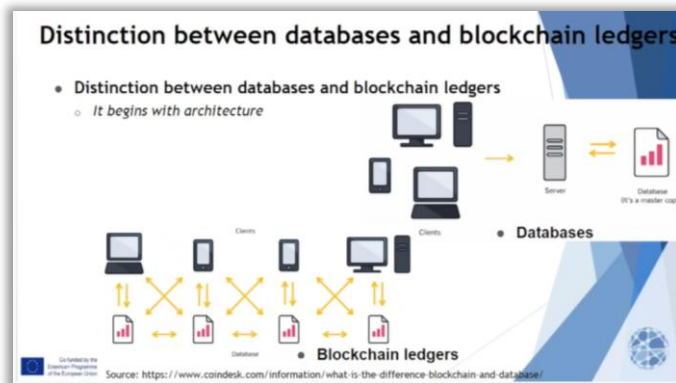
BLISS project



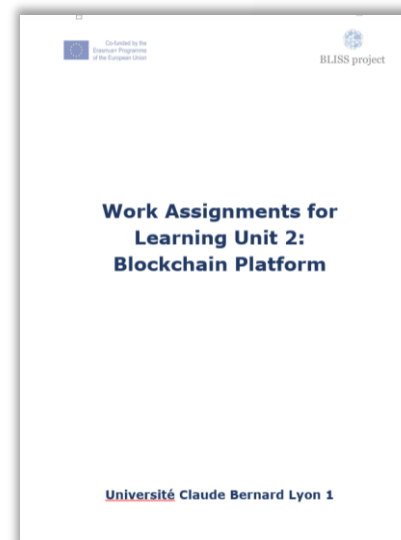
Co-funded by the
Erasmus+ Programme
of the European Union

Additional Pedagogical VOOOC materials

- ▶ Video units to present the content of each learning unit available in all partnership languages on the [BLISS YouTube Channel](#)
- ▶ Video units with practical exercises
- ▶ Development of work assignments relevant to the topics addressed in each learning unit



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

4th Transnational Project Meeting

- **Venue:** Tallinn, Estonia
 - **Host:** University of Tartu
 - **Date:** 16th - 17th May 2019
- ❖ Partners met-up to discuss the development of Vocational Open Online Course, multiplier events & the upcoming tasks for the next semester



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

Upcoming Tasks & Events



- VOOOC pilot-run - [Register here](#)
- 3 national workshops (FR, BE, EE)
- 3 national information days (IT, GR, BG)
- Development of Validation Methodology for multiplier events
- Development of Blockchain Skills Certificate Supplement
- Position paper to support integration of blockchain skills into e-competence framework
- Dissemination campaigns in all partner countries



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union

Contact Info

Partner Name:

Website:

Contact Person:

Email:



BLISS 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>

or contact us on ... blissproject17@gmail.com



BLISS project



Co-funded by the
Erasmus+ Programme
of the European Union