



BLISS project



Co-funded by the
Erasmus+ Programme
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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

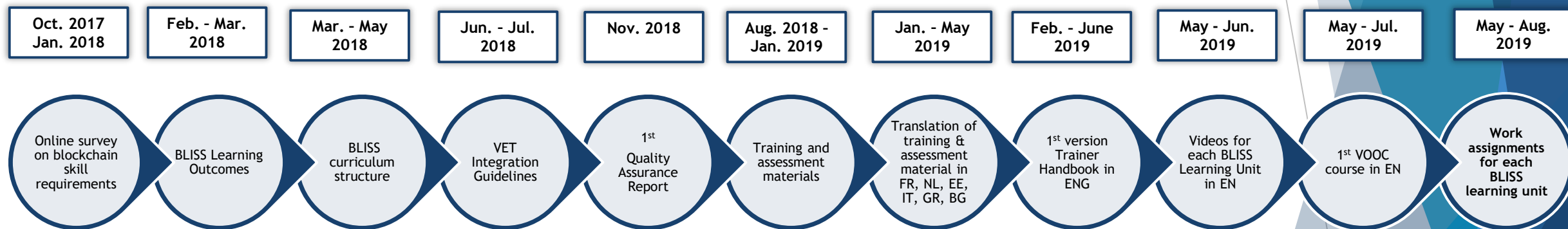
CONSORTIUM

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**





Accomplishments since BLISS initiation - October 2017



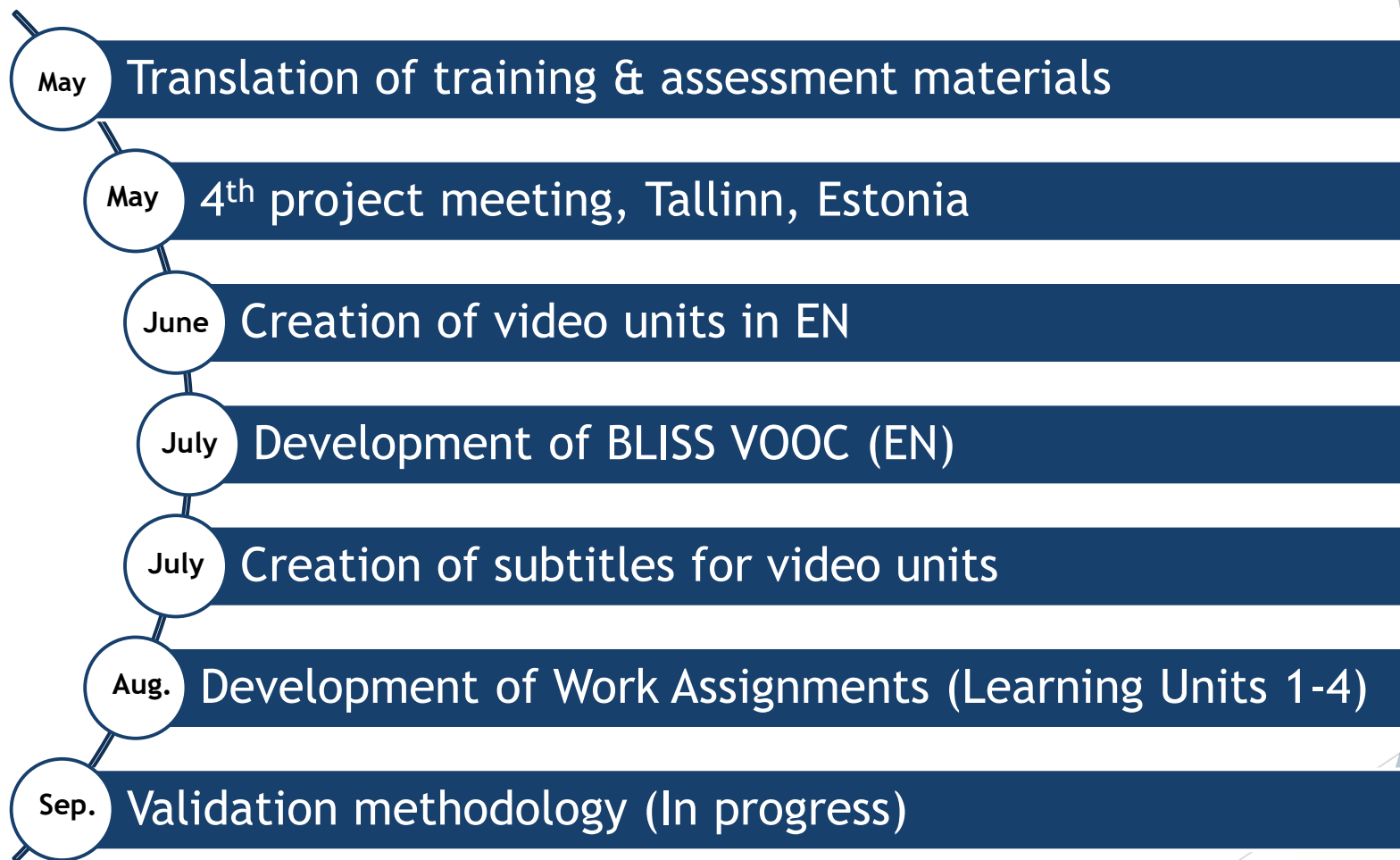
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BLISS 4th semester activities

April - September 2019



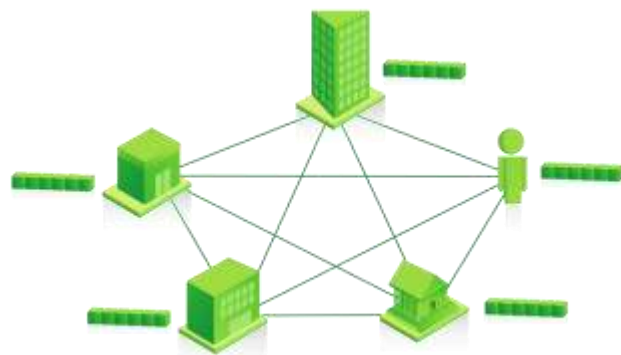
BLISS Course overview

➤ 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



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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



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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



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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



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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>



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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 navigation sidebar with menu items: Home, Updates, Welcome Activity, Learning Units (highlighted with a right-pointing arrow), Assessments, Discussion Forum, and Course Feed. The main content area has a white background and features a header box with the text "Welcome to BLISS VOOC!". Below this is a paragraph of introductory text about blockchain technology and the course's purpose. In the center is the BLISS logo, which consists of a blue globe icon above the text "BLISS" and "Online Course" below it. Below the logo are two white boxes with blue borders: "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 provides 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 white question marks.



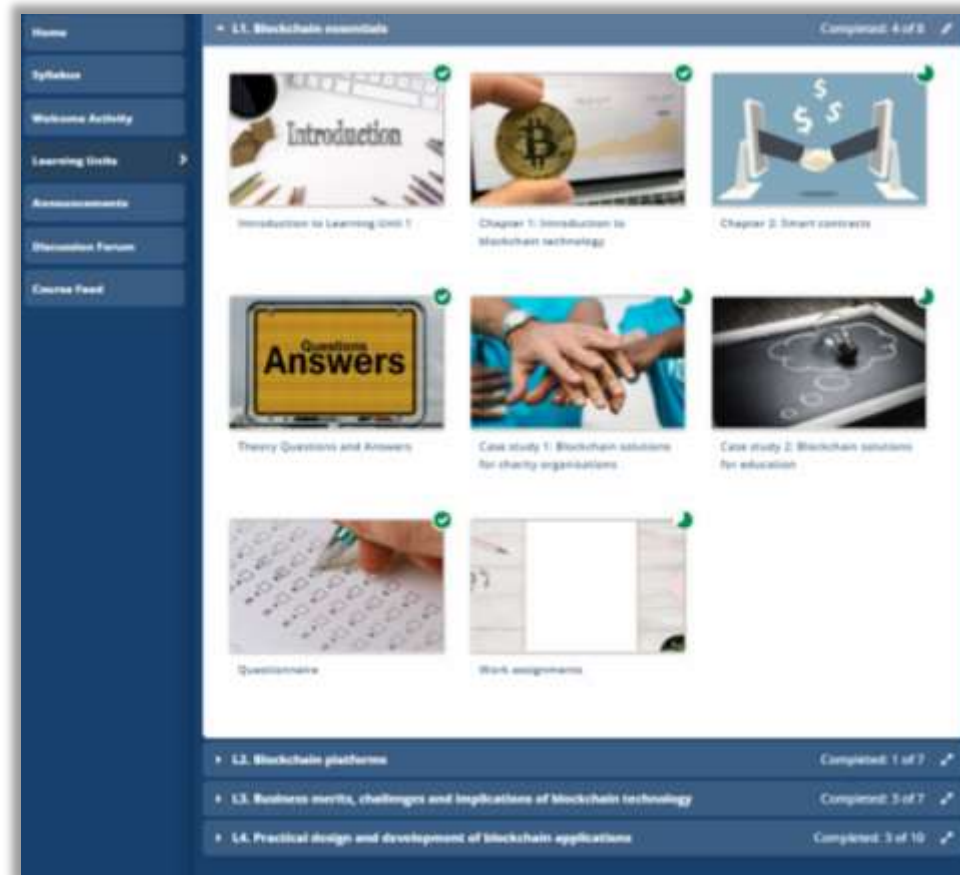
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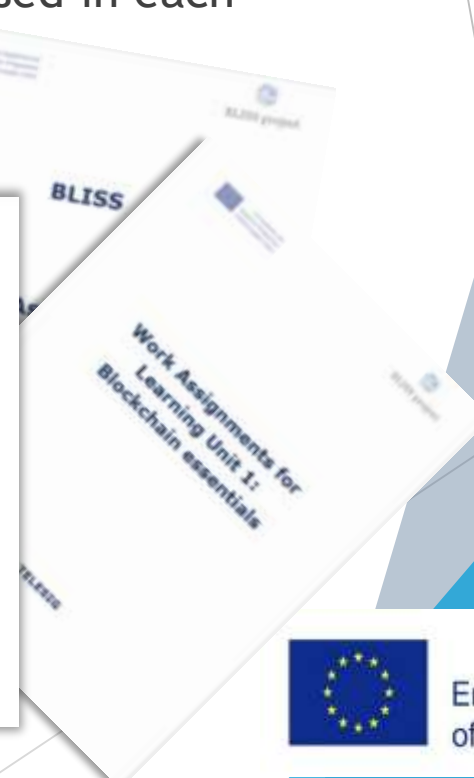
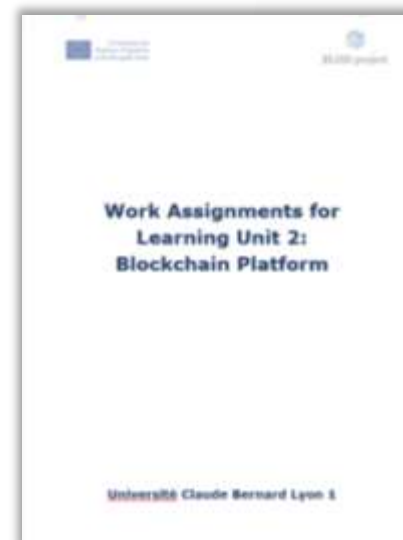
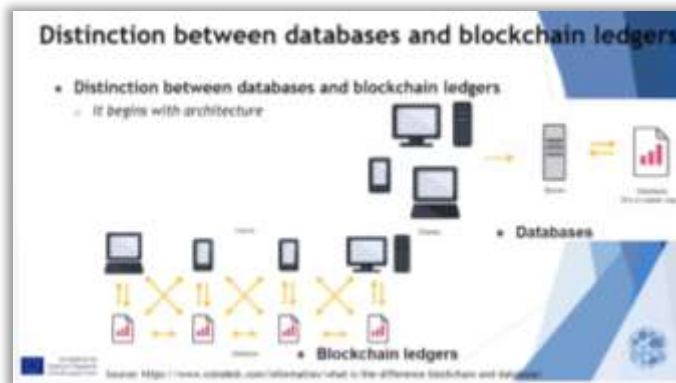
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Additional Pedagogical VOOOC materials

- ▶ 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



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



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Upcoming Tasks & Events

- VOOC 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



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Contact Info

Partner Name:

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