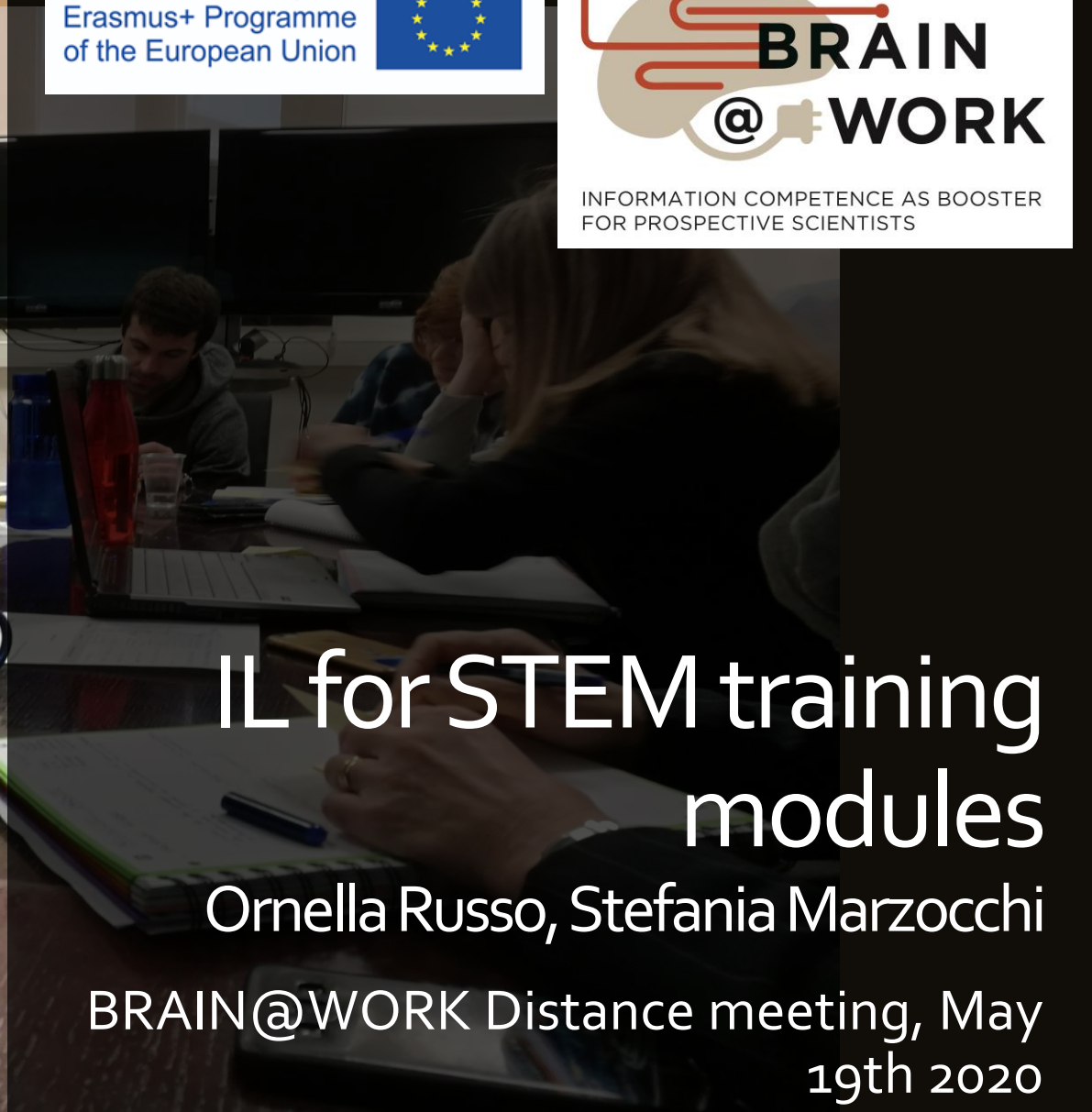


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of the European Union



INFORMATION COMPETENCE AS BOOSTER
FOR PROSPECTIVE SCIENTISTS



IL for STEM training modules

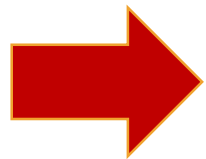
Ornella Russo, Stefania Marzocchi

BRAIN@WORK Distance meeting, May
19th 2020

PROJECT AIM

To deepen knowledge about existing IL education for the STEM disciplines in EU

To upgrade the training offer of the participating organization addressed to future workers - researchers and future researchers (university students) - on technical and scientific sector



Set of **modular and innovative** training modules (O3) and related assessment tools (O4)



INFORMATION COMPETENCE AS BOOSTER
FOR PROSPECTIVE SCIENTISTS

INNOVATIVE: BRIDGING THE GAP

ACADEMIC INFORMATION LITERACY

- IL as individual competence for learning
- Focus on research in academic sense, addressing intellectual questions
- IL as a predictable (linear or circular) process
- Emphasis on academic literature and textual information
- Library is library-centered

WORKPLACE INFORMATION LITERACY

- IL as both individual and organizational competence for problem-solving
 - Focus on work tasks or problems and business issues
 - IL as an open-ended and non-linear process
 - Emphasis on people and networks as a source of information and knowledge
 - IL is a situated competence; relevance of teamwork and professional community
- (Cheuk, 2008; Forster, 2017; Lloyd, 2006)

INNOVATIVE: ACTIVE LEARNING



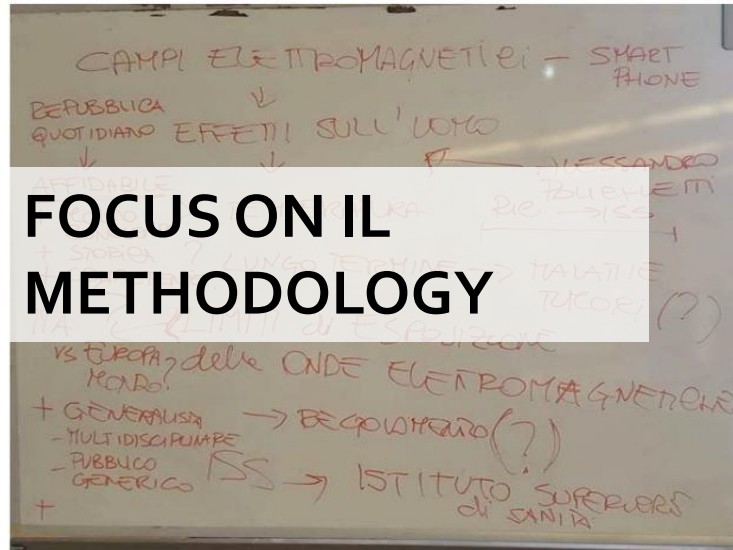
OPEN PROBLEM-SOLVING



REFLECTIVE PRACTICE



LEARNER'S ACTIVE
ROLE



FOCUS ON IL
METHODOLOGY



REAL WORLD
ENVIRONMENT

INNOVATIVE: ASSESSMENT OF EFFECTIVENESS

Traditional ----- Authentic

Selecting a Response ----- Performing a Task

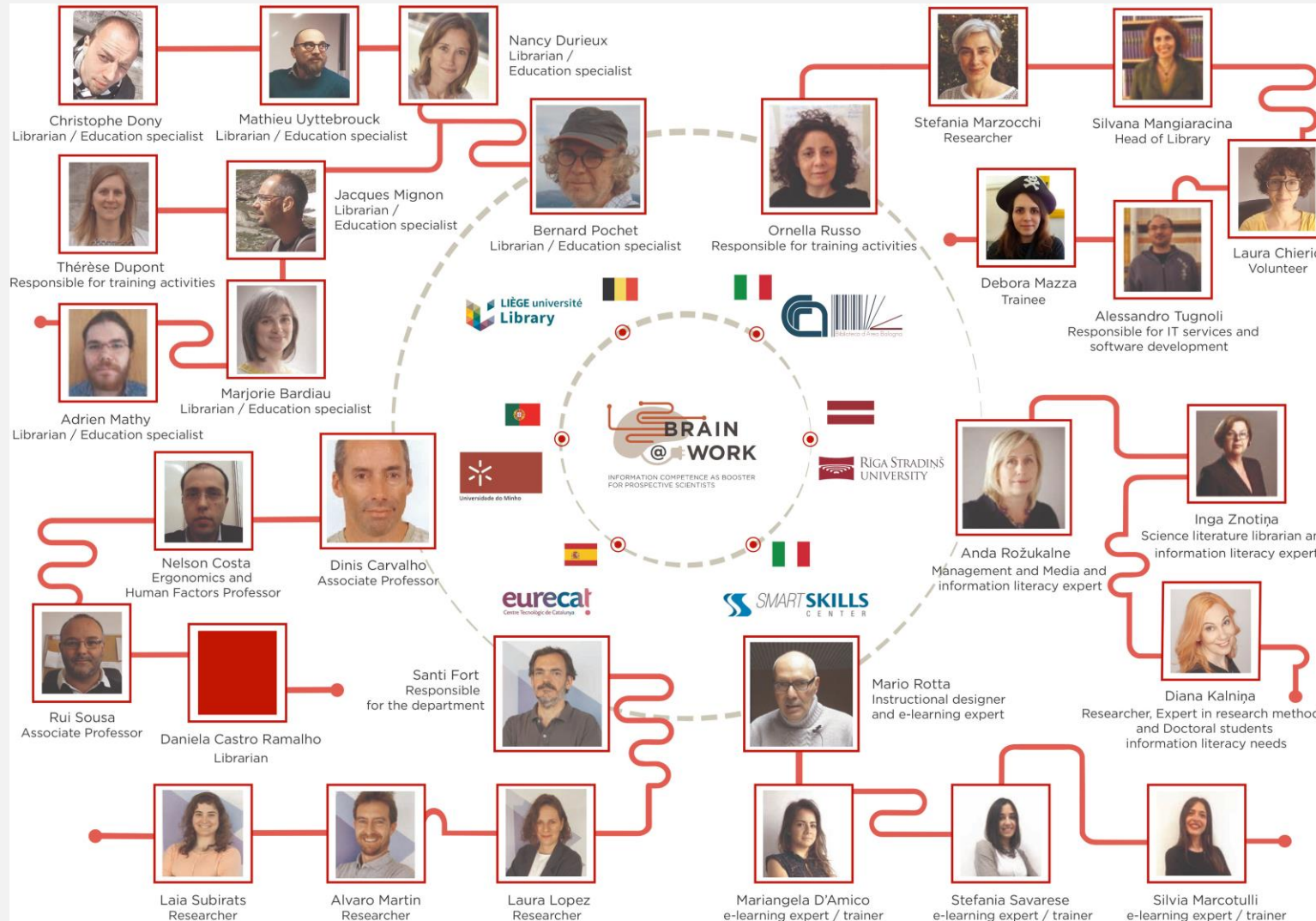
Contrived ----- Real-life

Recall/Recognition ----- Construction/Application

Teacher-structured ----- Student-structured

Indirect Evidence ----- Direct Evidence

INNOVATIVE: COLLABORATIVE DESIGN BY MULTIFACED TEAM OUTSIDE THE LIBRARY



DESIGN OF TRAINING MODULES

Set of modular training modules (O3) and related **assessment tools** (O4) about **IL for STEM** addressed to future researchers (postgraduated students) and researchers

- ❖ 5 pilot trainings (one in each participating Country)
- ❖ Participants: minimum of 20 trainees in each Country
- ❖ English and local languages
- ❖ Online openly availability of lesson plans, educational materials and assessment tools

CONTENTS?

ACTIVITIES?

CERTIFICATION?

FORMAT?

TIME?

LEARNING
OUTCOMES?



ASSESSMENT
TOOLS?

TECHNOLOGICAL
SOLUTIONS?

LEARNING
STRATEGIES?

FORMAT