



The NURIC PROJECT

capacity building in nursing informatics competencies for nursing students and professionals to foster the digital transformation of health care

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Background

- The **advancing digitalization** in our society and in healthcare is increasingly **affecting the daily routine work of nurses** in different roles.
- Health IT applications designed to support nurses in these roles embrace amongst others electronic rostering, scheduling and workload measurements, nursing documentation including the entire nursing process and nursing decision making support (Egbert, 2018).
- Despite these developments, **high-quality and efficient nursing care is still often hampered by little integration of digital tools**, inefficient workflow, low quality of documentation, and suboptimal nursing care (Hübner, 2021).



Background

- **Nurses represent typically the largest professional group** in hospitals and in other inpatient health care organization.
- However, they often do not have an active role in promoting the digital transformation
- This **lack of visibility and of capability of nurses** in promoting digital transformation of health care **has manyfold reasons rooted in education:**
 - Nursing informatics education on an academic level is not provided consistently among countries.
 - Moreover, topics related to digitalization are rare or non-existent.



Background

- **Nursing Informatics (NI)** "is the specialty that integrates nursing science with multiple information and analytical sciences to identify, define, manage and communicate **data, information, knowledge and wisdom in nursing practice.**" (American Nurses Association)





Aim

- to **promote competencies in nursing informatics** and to establish flexible, **life-long learning opportunities for nursing professionals** in Kosovo and Israel to obtain digital skills that are needed for modern nursing care and that enhance 21st century digital competencies of nursing professionals, improving and extending their job opportunities.



Methodology



- The Erasmus+ project (Project Reference: 101128719), co-funded by the European Community, involves partners from Austria, Greece, Israel, Italy and Kosovo.
- The project consists of three main phases.



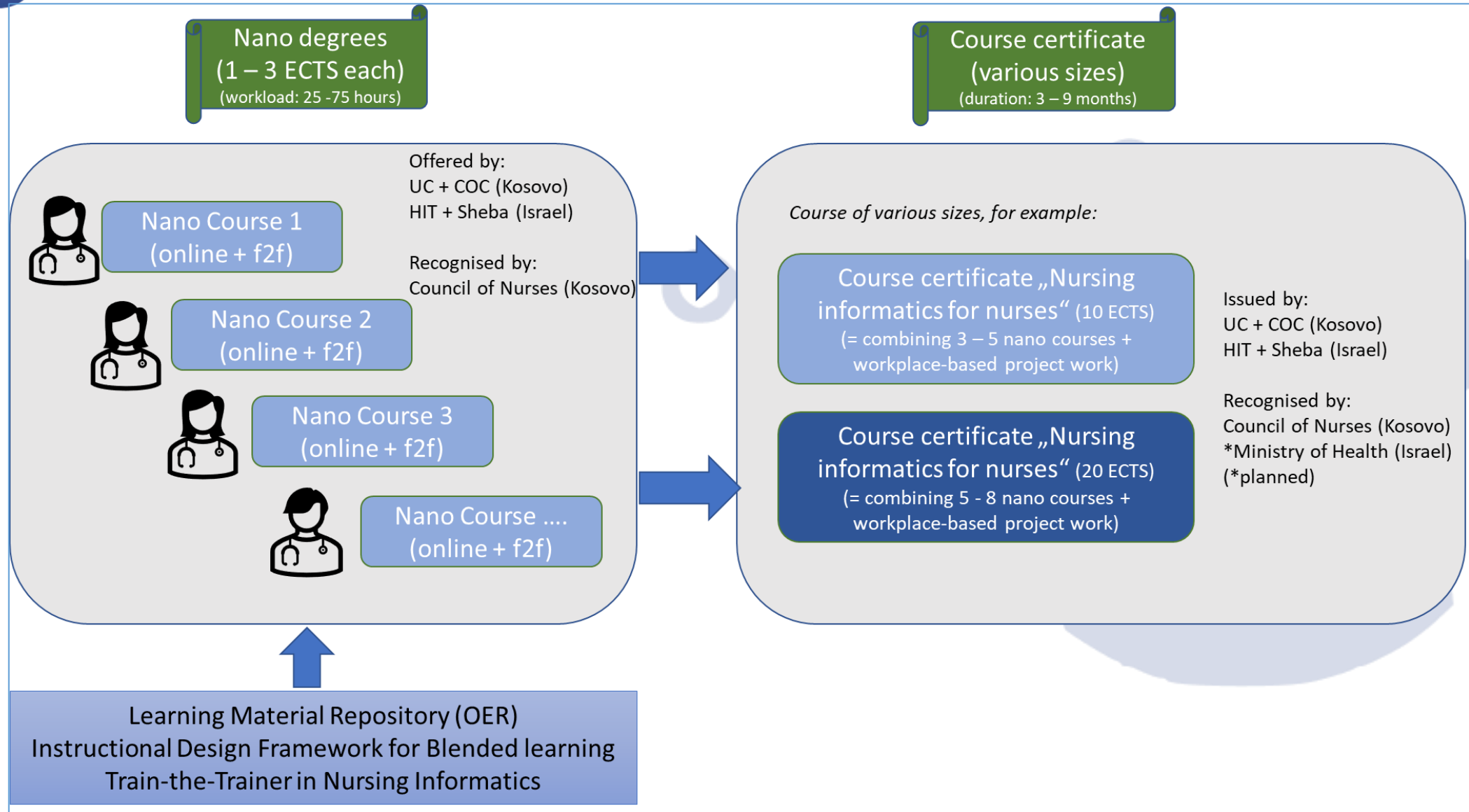
Step I

- **Involving Market Actors**, the focus will be on engaging stakeholders such as the Chamber of Nurses, ministries, and health IT companies to determine the necessary competencies in nursing informatics to align the curriculum with international recommendations.
- Collaboration with official bodies will also be undertaken to establish timelines for recognition and certification.



Step II

- **Creation of a **web-based repository of learning materials**** with an emphasis on Open Educational Resources (OER).
- **An instructional design framework for online and blended learning will be developed**, considering the needs of professional nurses, particularly workplace-based learning.
- **A **train-the-trainer concept will be formulated****, and specific course designs will be developed for implementation in Israel and Kosovo.





- **Piloting and Evaluation**, all courses will be piloted and evaluated. A sustainability and scalability plan will be devised for both countries to ensure the continued rollout of the courses beyond the project duration.



Results (1)

- The project will implement nano-courses on NI and a professional certificate course, tailored to local needs.
- Nano-courses, designed to spark interest and provide fundamental NI skills, will earn participants a nanodegree upon completion. QUESTO MI SEMBRA UNA RIPETIZIONE DEL PUNTO PRECEDENTE LO TOGLIEREI
- The professional certificate course, with a workload of up to 20 ECTS credits, will promote fundamental competencies in NI and foster a network of interested nurses.



Results (2)

- All course materials will be made available as open-access OER material even after the end of the project.
- The participating VET organization will provide a sustainability and scalability plan to establish further nano courses and certificate courses after end of the project



Discussion

- This project strengthens links between Vocational Education and Training providers and the labor market, enhancing employability, and the healthcare workforce dynamism.
- The project aims to elevate nursing education standards and to revolutionize care delivery, mitigate nurse attrition, and reshape care practices for improved outcomes and equity.
- Ultimately, the project seeks to position nursing as a beacon of innovation and excellence in healthcare.



Reference

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