
EDULEARN¹⁶

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INFORMATION MODEL OF E-PORTFOLIO

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Content

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Abstract and keywords

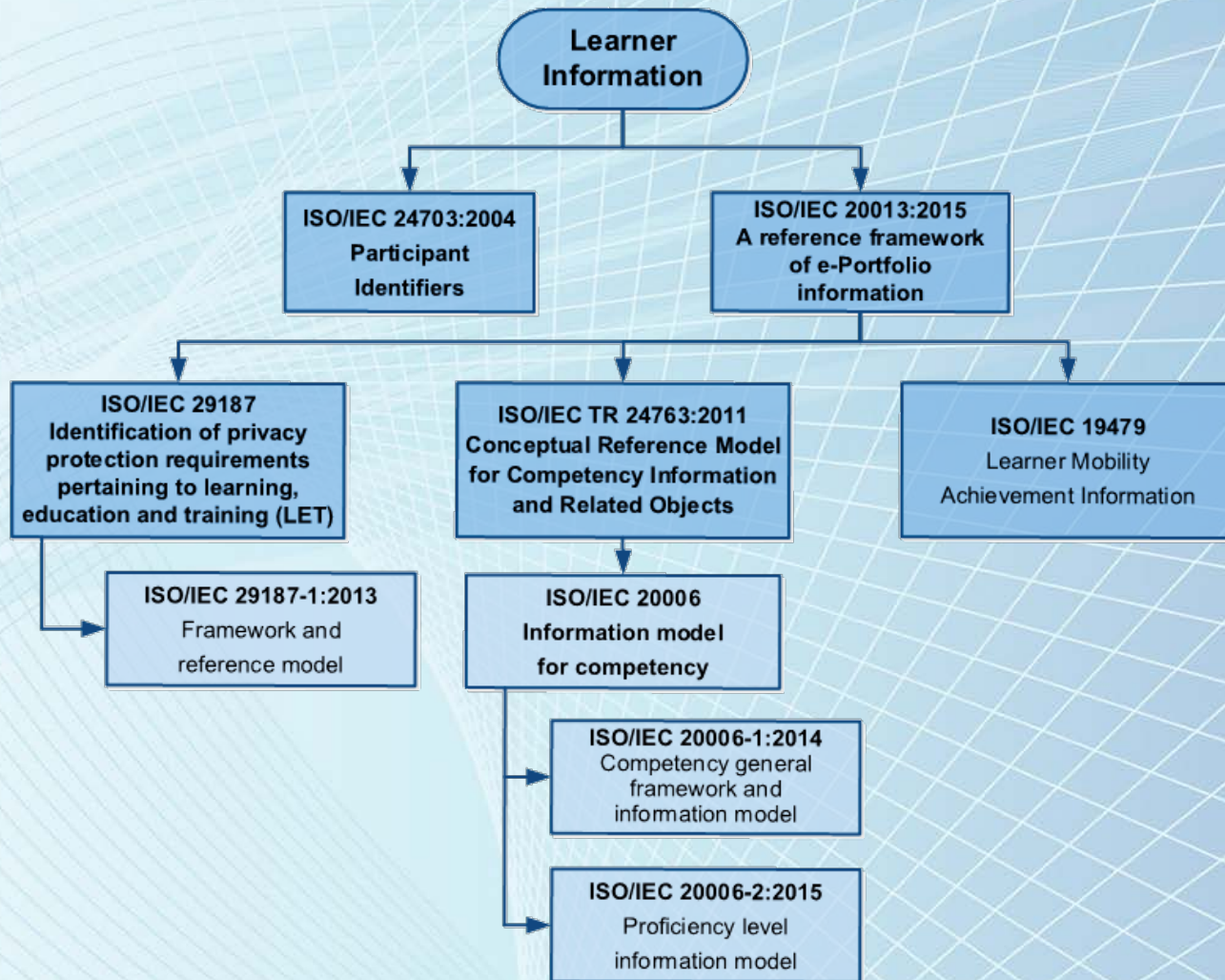
Abstract. The e-portfolio is an important structured information resource reflecting the competence of the student acquired at different stages of learning and practical activities. The information contained in the e-portfolio is important for the student, the educational organization and the employer. For the effective use e-portfolio should include a unified reference framework, competency model, personal data, etc.

There was developed a high-level conceptual model of e-portfolio, which can be the interface between the three main stakeholders: the student, the educational institution and employer. It determines the content and functional components that support e-portfolio systems and solve problems of data interoperability between these components. The key characteristics of e-portfolio, their classification by purpose, functionality and target audience were considered. The information base structure, reflecting levels of education, competence, labor function, qualification thesis and other information about the student was submitted. For a software implementation was designed a logical database model.

Keywords: e-portfolio, e-learning, standards, competence, labor functions.

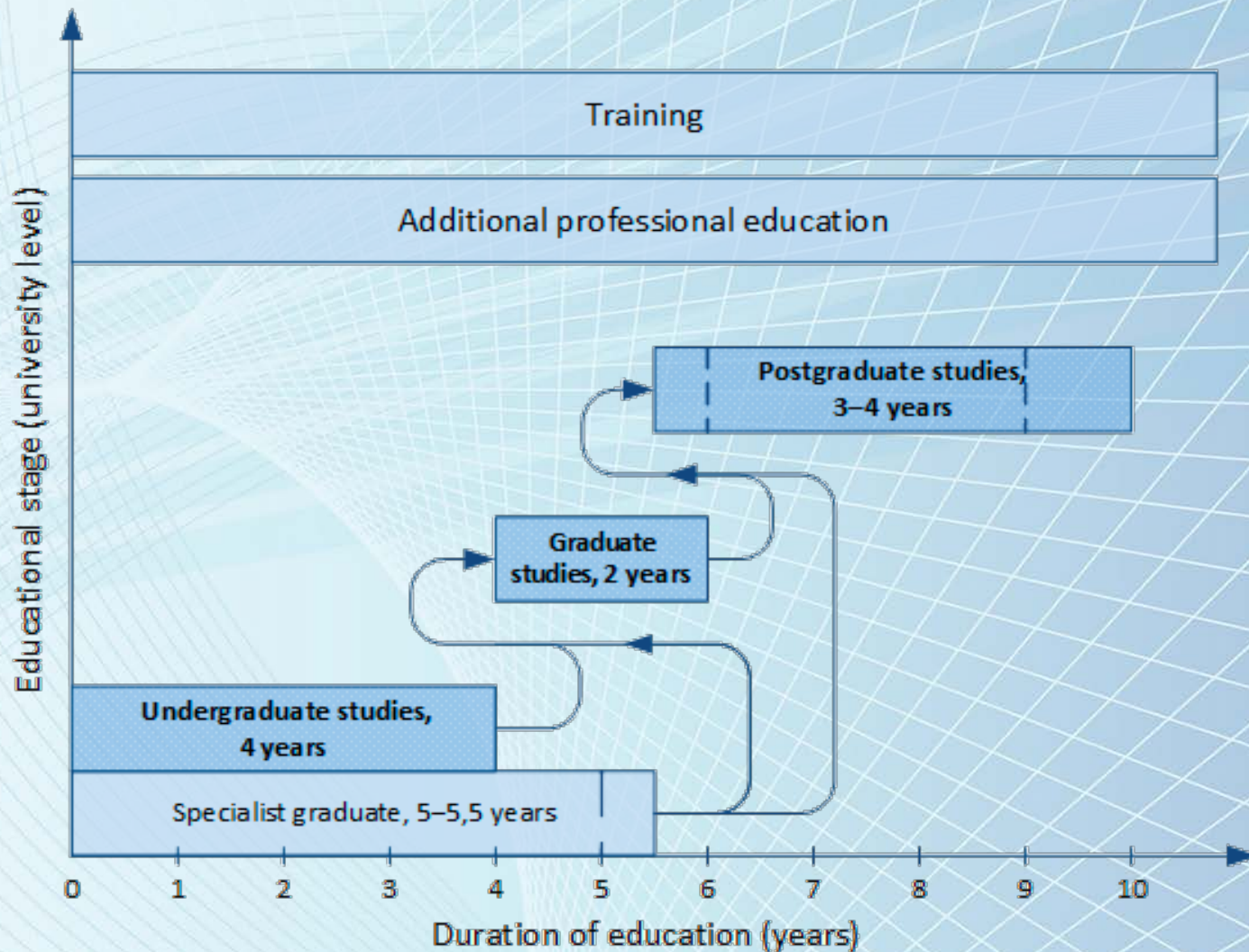
1 The requirements of international standards and national specifics

Structure of international standards for description of learner information



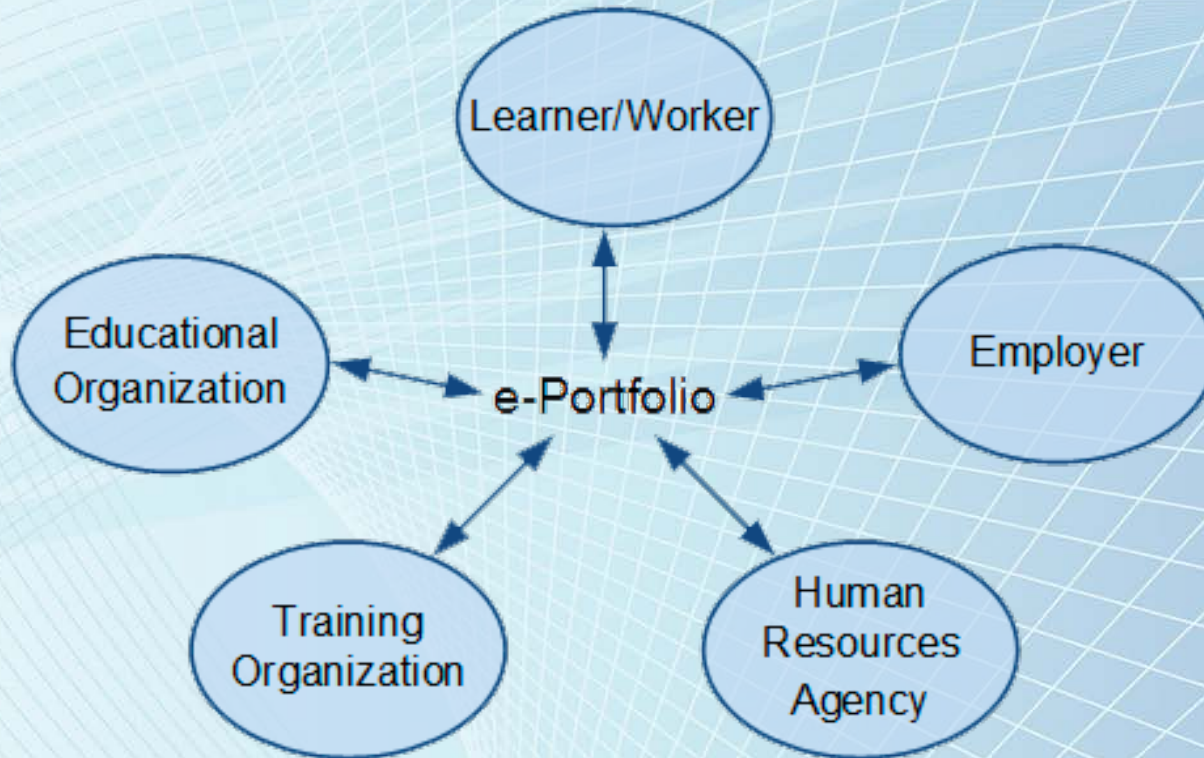
2 The requirements of international standards and national specifics

Continuity and interconnection of educational programs



3 Rationale for the structure of e-Portfolio

High-level conceptual model of e-Portfolio



3 Rationale for the structure of e-Portfolio

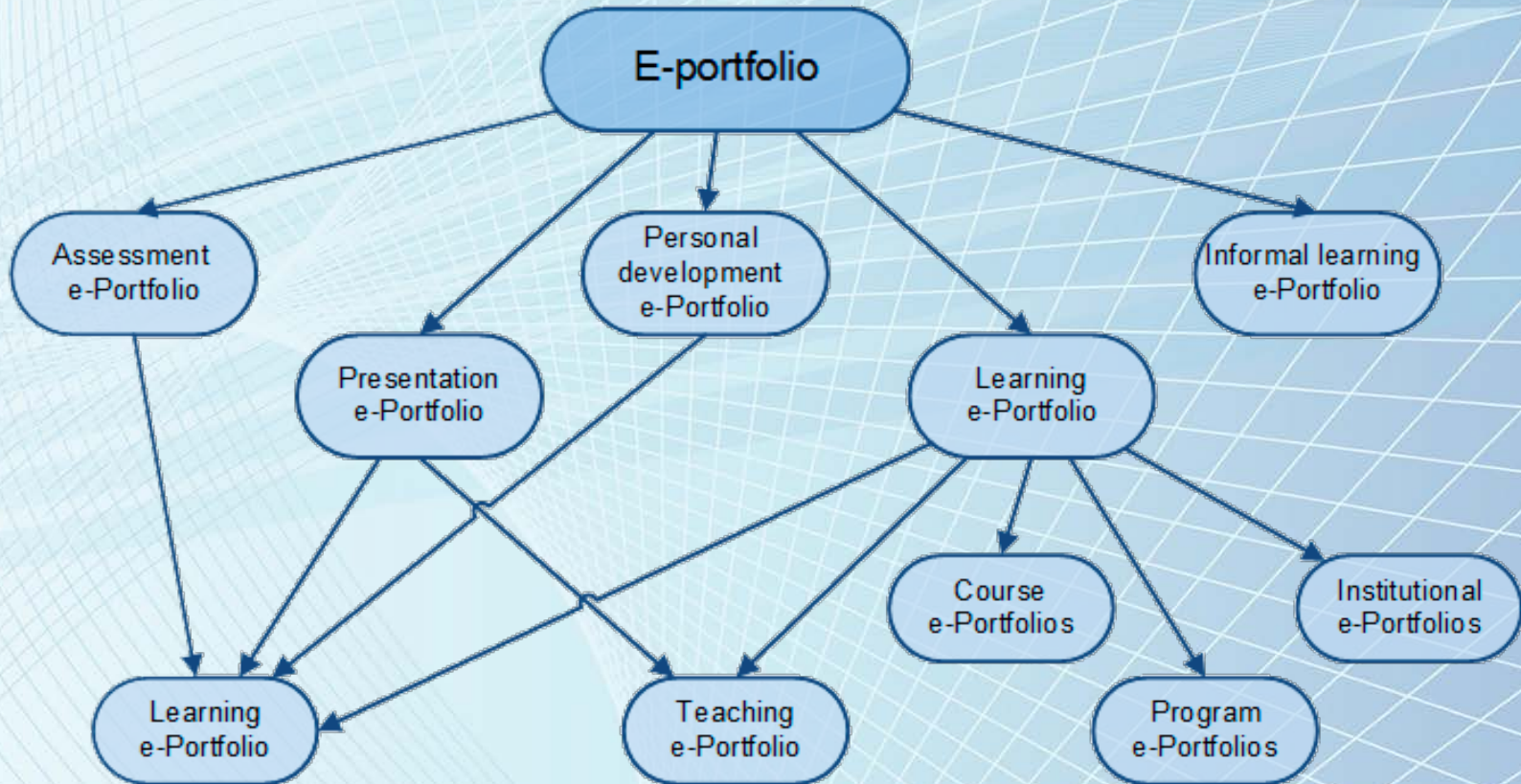
Abstract model of e-Portfolio representing categories and elements

Category (elements)

- **Identification** (user information, contact information);
- **Education** (kindergarten, elementary school, middle & high school, college, university, training/continuing education, professional accreditation bodies);
- **Outcomes** (grades, artefacts, outcome awards, outcome reflection);
- **Overview** (interests, goals and plans, synopsis);
- **Career** (employment history, career path, career award);
- **Capability** (licenses, certifications, skills, languages, capability reflection);
- **Experience** (self-regulated activities, career planning, volunteer services, social activities, experience reflection).

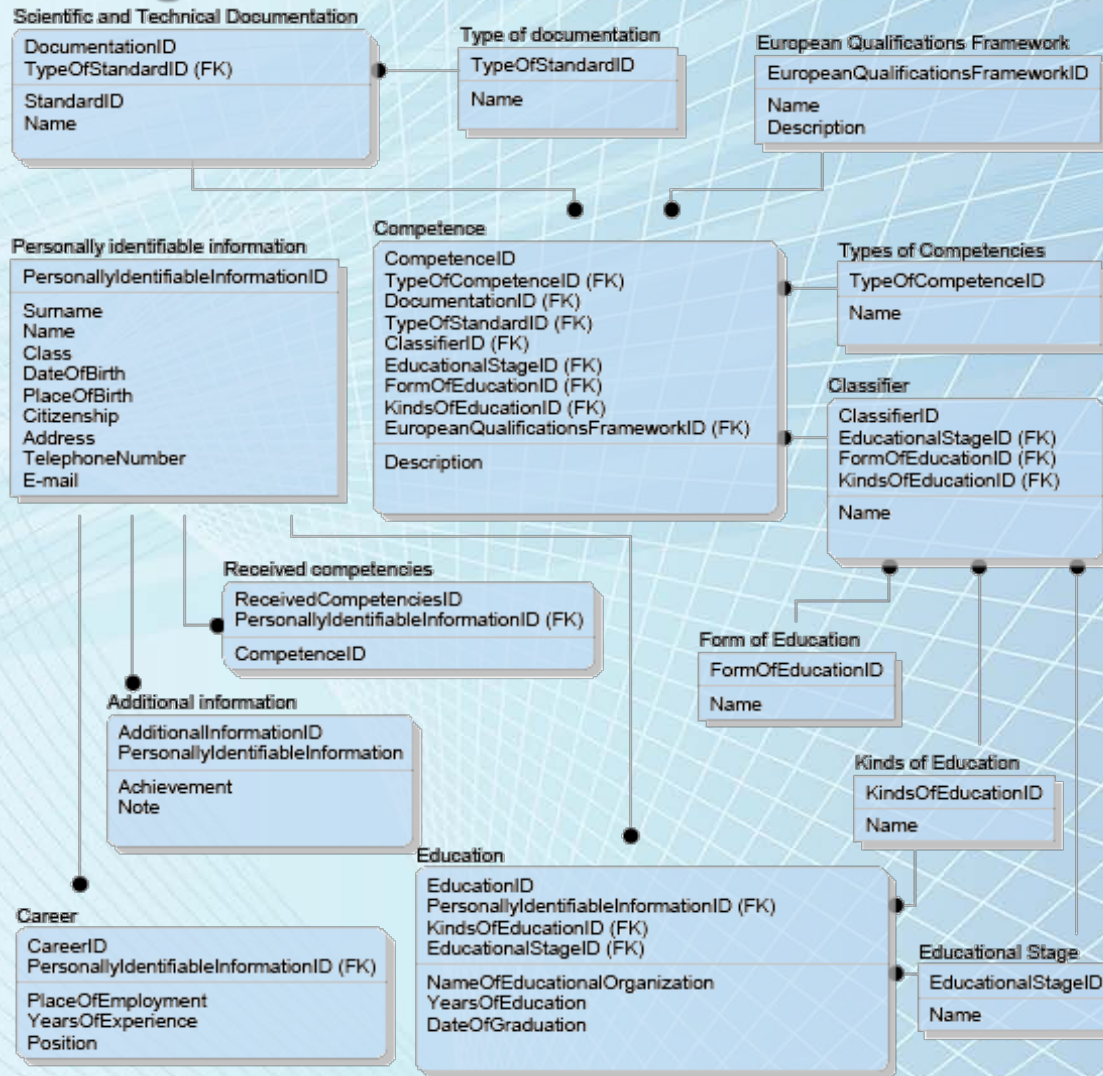
3 Rationale for the structure of e-Portfolio

Classification of e-Portfolio



4 Information model of e-Portfolio

Logical data model of e-Portfolio



5 Conclusions

Development of a conceptual model and connected with it tools of information support of the e-portfolio, which will contain information on learners outcomes and individual achievements, will allow to develop a student`s career and improve the quality of recruitment in the labour market.

Thanks for your attention!

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