

HIGHER EDUCATION DEVELOPMENT PROJECTS 2018-2020



DigiCampus – A shared digital learning environment, pedagogy and services for higher education institutions

The project aims to create a digital cloud learning environment to support year-round study opportunities, to produce an operating model for pedagogical and digital support services and a quality measure for the learning environment as well as to develop the physical and digital learning landscapes at campuses. Its sub-projects work to implement a learning ecosystem in bioeconomy, year-round course selections in chemistry as well as flexible teaching in the field of law. In addition, the flexibility of the progress of studies will be improved with the development of the new Exam system. Accessibility is ensured for all parts of the project.

The project is coordinated by the University of Eastern Finland.

Project funding from the Ministry of Education and Culture: EUR 3,6 million.

Cooperators Centria, HAMK, HY, JY, JAMK, XAMK, Karelia, LY, MPPK, OY, TaY, TTY, TY, VY, Novia and AA.



Learning analytics – the key to better learning at universities of applied sciences

The aim of the project is to use pilots and trials to develop digital learning environments that utilise learning analytics for the use of students and teachers at universities of applied sciences. Additionally, the project will include the drafting of recommendations for the effective use of learning analytics and aim to increase the personnel's competence in the advanced use of learning analytics.

The project is coordinated by the Tampere University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 2,3 million.

Cooperators Centria, HAAGA-HELIA, HAMK, JAMK, Karelia, LapinAMK, OAMK, SAMK, Savonia and TY.



AnalytiikkaÄly: Learning analytics to support studies, guidance and leadership at universities

The project promotes the progress of studies and the transition from studies to working life by utilising learning analytics in the planning of a study path, the monitoring of studies, teaching, the guidance of students and the management of the university. The project will compile and determine the need for the use of learning analytics as well as develop and pilot digital applications and practices that will support studies, teaching, guidance and management.

The project is coordinated by the University of Oulu.

Project funding from the Ministry of Education and Culture: EUR 1,5 million.

Cooperators AYO, ISY, LY, LTY, TaY and TY.



Competence in circular economy for universities of applied sciences

This multidisciplinary development project's goal is to use the Teollisuus 4.0. thinking and operating models to plan and pilot teaching of high quality and open, promotes internationality and aims at circular economy. The objective is to reach a point where higher education serves the development of Finnish society and is able to respond to the needs of business and internationalisation. The project will produce study content on circular economy in Finnish Swedish and English and develop and reform teaching methods and the circular economy competence of personnel at educational institutions.

The project is coordinated by Lapland University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 2,5 million.

Cooperators Arcada, Centria, HAAGA-HELIA, HAMK, JAMK, XAMK, KAMK, Karelia, LAMK, Laurea, Metropolia, OAMK, Savonia, SEAMK, TAMK, TURKUAMK, VAMK and Novia.



Another route to university

The aim of the project is to develop, pilot and establish the use of an alternative way of demonstrating skills in addition to higher education studies and matriculation exams. The studies which are completed as open university studies give the student the possibility to demonstrate his or her competence, readiness for higher education studies and his or her prerequisites to succeed in university studies. The project is working on three alternative routes to university, which will serve young people who have graduated from secondary level studies as well as adults who are planning a change of career.

The project is coordinated by the University of Jyväskylä.

Project funding from the Ministry of Education and Culture: EUR 2,9 million.

Cooperators AYO, HY, ISY, LY, OY, TaiY, TaY, TY, VY and AA.



KIVAKO – Improving language resources in higher education institutions

The project aims to improve the selection of study paths available for foreign language studies at higher education institutions by combining the old and developing new options as well through national and regional collaboration. The selection is made up of learning paths built in accordance with digital pedagogies from the A1 level to the C1 level and is open in the form of national and regional cooperation. Additionally, the project aims to develop a self-assessment tool for students as well as nation-wide networks for cooperation that will support the pedagogical education of teachers and the development of expertise.

The project is coordinated by Haaga-Helia University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 3,3 million.

Cooperators AYO, Arcada, Centria, Diak, HUMAK, HY, HAMK, ISY, JAMK, XAMK, Karelia, LAMK, LY, Laurea, Metropolia, OAMK, Saimia, SAMK, Savonia, SEAMK, SHH, TAMK, TaY, TTY, TY and VY.



Finnish Design Academy – Development of higher education in the design sector for the competence needs of the future

The project aims to develop a cooperation model, which will strengthen the role of higher education in the design sector in the national innovation ecosystem and improve the profile and expertise of Finnish design education as a requirement for gaining a competitive edge and value creation in business. The Finnish Design Academy offers higher education students better means and tools for studying design sector professions and facilitates a swifter transition from studies to working life.

The project is coordinated by Lahti University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 2,0 million.

Cooperators AYO, HAMK, XAMK, LY, Laurea, Metropolia, Savonia and TURKUAMK.



Multidisciplinary digital learning in sustainability challenges – flexible study paths to working life

The project will implement 11 multidisciplinary peer education courses that focus on climate and sustainability challenges to higher education teachers in different parts of Finland and will produce new digital, multidisciplinary learning materials on the topic of sustainability for the shared use of higher education institutions. The project continues the work initiated in the Climate.Now project: promoting the use of Climate.Now materials and producing new digital learning materials on sustainability in multidisciplinary collaboration. New openings are being sought for the resolution of multifaceted sustainability challenges through collaboration between students, working life and the different tertiary education levels and fields.

The project is coordinated by the University of Helsinki.

Project funding from the Ministry of Education and Culture: EUR 900 000.

Cooperators AYO, ISY, JY, LAMK, LTY, Metropolia, OY, TTY, TURKUAMK and TY.



SOTE-PEDA 24/7

The project aims to develop the digital social and health service competence specifications for different fields of higher education and create shared digital social and health services studies, pedagogical solutions, a competence badge system, and learning environments for the national network of higher education institutions. The project aims to reform the operating practices of higher education institutions and improve and promote the students' working life and entrepreneurship skills through cooperation. The project increases the digital social and health services competence and service design competence of teachers, students and working life representatives and facilitates the strengthening of coming social and health services ecosystems.

The project is coordinated by Laurea University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 3,0 million.

Cooperators Arcada, Diak, HAAGA-HELIA, HAMK, HUMAK, ISY, JAMK, XAMK, KAMK, Karelia, LAMK, LapinAMK, Metropolia, OAMK, Saimia, SAMK, Savonia, SEAMK, TAMK, TTY, TURKUAMK, VAMK and Novia.



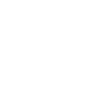
Development of basic skills assessment for general nurses (180 ETSC)

The project aims to determine the 180 credit basic competence produced nationally by nursing education, which will meet with the needs of the national social and health services reform and take into account the competence required internationally of nurses. The project verifies the development of the students' clinical competence over the course of their studies in different learning environments with the methods of continuous guidance and assessment and, thus, promotes the smooth progress of studies, the development of competence and the faster completion of studies.

The project is coordinated by Savonia University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 1,0 million.

Cooperators Arcada, Centria, Diak, HAMK, JAMK, XAMK, KAMK, Karelia, LAMK, LapinAMK, Laurea, Metropolia, OAMK, Saimia, SAMK, SEAMK, TAMK, TURKUAMK, VAMK and Novia.



Multidisciplinary and working life-oriented development of education in palliative care and medicine

The project's aim is to create national recommendations for curricula for basic education, further training and specialized studies in palliative care and medicine. The project examines the current state of teaching of palliative care and medicine and compares achieved results to international recommendations. Based on these a competence description will be drawn up for palliative care and medicine at both the basic and specialized levels together in cooperation with multidisciplinary working life. Based on these a national recommendation will be drawn up on the basic and specialized education for palliative care and medicine.

The project is coordinated by Kajaani University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 1,5 million.

Cooperators Centria, Diak, HY, ISY, JAMK, Karelia, LapinAMK, Laurea, Metropolia, OAMK, OY, Savonia, SAMK, TAMK, TaY, TURKUAMK, TY, VAMK and Novia.



MEDigi – Digitalisation and harmonisation of teaching in medical fields

The objective of the project is the creation of digital learning environments for medical fields as well as the harmonization and development of teaching and competence. The project aims to create a web service for digital learning materials, produce electronic learning materials as well as develop electronic exam and assessment methods. The project will expand eHealth competence and teaching staff will be trained in the use of tools. This is a joint project between all of Finland's medical faculties.

The project is coordinated by the University of Oulu.

Project funding from the Ministry of Education and Culture: EUR 3,2 million.

Cooperators HY, ISY, TAY and TY.



Flexible paths towards working life – Development of educational cooperation in the biomedical and medical fields (Jobitti)

The project develops biomedical education and promotes the transitioning of the biomedical sector's students to working life by combining course selections from different higher education institutions and strengthening corporate cooperation. Courses are digitalised because technology has made it possible to study the field on-line and not only in laboratories, which increases freedom of choice and flexibility in curricula. The project will also increase student's business skills, as research in the biomedical field is a potential producer of new inventions.

The project is coordinated by the University of Turku.

Project funding from the Ministry of Education and Culture: EUR 1,2 million.

Cooperators ISY, TURKUAMK and AA.



Automation in Network

The purpose of the project is to reform and improve the effectiveness of teaching and studying of automation technology in universities of applied sciences. The project will produce interactive learning materials and an online learning environment for the automation industry. Additionally, the project will produce an online lab as a cloud service that will be shared by higher education institutions and be used for the collection, analysis and visualisation of data and the utilisation of artificial intelligence.

The project is coordinated by Seinäjoki University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 1,3 million.

Cooperators Centria, HAMK, JAMK, KAMK, Karelia, LAMK, Metropolia, OAMK, SAMK, Savonia, TAMK, TURKUAMK and VAMK.



Entrepreneurship and entrepreneur-like activities

The project is based on needs related to the development and identification of students' entrepreneurial skills and swifter transitioning to working life. The project promotes the students' entrepreneurial skills and entrepreneur-like activities, as well as develops learning environments on campuses that support multidisciplinary team enterprise. The project improves the quality of student-oriented growth entrepreneurship activities and promotes entrepreneurship efforts by students throughout the country. Additionally, the project offers internship opportunities that promote internationalization in the world's leading start-up hubs as well as develops nationally harmonized and transparent models for the identification of entrepreneurial skills.

The project is coordinated by Aalto University.

Project funding from the Ministry of Education and Culture: EUR 2,5 million.

Cooperators Centria, HAAGA-HELIA, HY, JY, XAMK, Laurea, LTY, OY, Saimia, TURKUAMK, TY, OAMK, VY, AA and Novia.



DEFA – Digital Education for All

The DEFA project opens first year higher education studies in computer science to all who are interested and creates a new route to higher education studies. DEFA combines flexibility, a process with no entrance exam and working life relevance in a manner that integrates open university practices with studies that lead to a degree. The project will also help in resolving the competence shortage in information technology, as anyone will be able to take their first steps on the path to, for example, a career in programming. During the project, the academic success of students who entered university through traditional means and those who entered via DEFA studies will be monitored and compared as will the speed at which they complete their degrees. The results can later be utilised in the development of student selections.

The project is coordinated by the University of Helsinki.

Project funding from the Ministry of Education and Culture: EUR 1,5 million.

Cooperators AYO, JY, OY and TY.



Intelligent learning environments and their content production

The project aims to reform teaching in the fields of mathematics, physics and information technology by making it possible for the entire higher education sector to have access to the fields' learning environments and the interactive learning materials based on these, where it will be possible to model to analyse field-specific study content and automatically give detailed feedback on the solutions given in student assignments. Additionally, the project will utilize existing technology to build shared environments where teachers can produce these types of study materials. The project supports independent studies throughout the year.

The project is coordinated by Aalto University.

Project funding from the Ministry of Education and Culture: EUR 1,7 million.

Cooperators AYO, Arcada, HY, ISY, JY, LTY, Metropolia, OY, TTY, TAMK, TaY, TY and VY.



Working life pedagogics in higher education – Expertise, agency and working life skills

The objective of the project is to reform the operational culture of higher education institutions in a way that will allow corporate cooperation to be a natural part of the operating structures of higher education institutions. The project will also strengthen the link between research, development and innovation activities, and education, teaching and learning. Operating models for the development of students' working life skills, their support, the guidance of working life pedagogics, the reform of curricula as well as the linking of RDI activities to education will be created on the basis of previous projects and research data.

The project is coordinated by the University of Jyväskylä.

Project funding from the Ministry of Education and Culture: EUR 2,5 million.

Cooperators AYO, Arcada, HAAGA-HELIA, HY, HAMK, ISY, JAMK, LAMK, LY, LTY, OAMK, OY, TTY, TY and AA.



Open RDI activities, learning and the innovation ecosystem at universities of applied sciences

The project's central theme is the development of transparency in UAS RDI activities and learning as well as in the entire innovation ecosystem. The objective is to use new operating practices and digitalisation to strengthen expertise in the open operational culture of higher education institutions, and to promote the sustainable use of materials and impact of results. The focus is on the opening of various types of data, publications and results and developing cooperation practices. The project promotes the mobility and utilisations of information in the ecosystems of universities of applied sciences acting as a source of competence and a foundation for growth.

The project is coordinated by Seinäjoki University of Applied Sciences.

Project funding from the Ministry of Education and Culture: EUR 1,4 million.

Cooperators AYO, Laurea, HAAGA-HELIA, XAMK, Karelia, LAMK, LapinAMK, Metropolia, TAMK, TURKUAMK and SAMK.