DIGIVISIO

The GÉANT Task Force for Educational Activities

13.6.2022

Sakari Heikkilä
Program Manager

Building a future for learning

Digivisio 2030

DIGIVISIO

Finland thrives on its diverse expertise

As the world changes, learning and expertise will take forms that we are not yet able to imagine. But, we still understand that we will need more and more experts in the future.

We can't just stand on the sideline, looking on,
while others show the way -
We’ve got to have the courage to build the future ourselves.

DIGIVISIO

Digivisio is **a joint project of all Finnish higher education institutions** with the aim to create a future for learning that benefits higher education institutions, learners and our society as a whole.

A vision shared by all higher education institutions

DIGIVISIO

300,000
higher education students

38
Finnish higher education institutions

10
years

27,000
higher education institution employees

320
working on the project

44 M€
project budget (02/2022)

The project is founded on equal and open decision-making.

DIGIVISIO

Joint project of all **Finnish higher education** institutions

Steering group
operative director

- strategic management of the project and ensuring stakeholder cooperation
- Led by Ilkka Niemelä (Aalto University)

General Assembly
Senior decision-maker/
Decision-making body

- approves the action plan and budget
- consists of representatives from higher education institutions

Project office
practical implementer

- planning and implementation of the project's practical activities
- Project Director Hanna Nordlund

Digivisio benefits learners, teachers and society

DIGIVISIO

Digivisio enables **learners** to learn more easily and flexibly, thus allowing them to accumulate the necessary expertise for a constantly changing world and job market.

Digivisio strengthens the role of the **teacher** as a producer of high-quality content and as a facilitator of internationally renowned study experiences.

Digivisio ensures that the standard of **higher education** rises and Finns' access to employment improves – both in Finland and abroad.

Roadmap 2021–2024 (1.1)

DIGIVISIO

2021

- Learner's user path described
- Target architecture described
- Needs for legislative changes identified
- Current projects and systems analysed
- Functional specifications of the Digivisio 2030 services completed
- First two limited Digivisio 2030 deployments decided
- Necessary measures have been outlined based on the legal persons' report

- Higher education institutions and the Ministry of Education and Culture are committed to a shared vision
- Financing, project and resourcing planned
- Development and management model attached

2022

- Close participation of learners
- Target architecture described and conceptual model drafted
- Implementation of Digivisio 2030 services launched and key integrations defined
- Identity management MVP prototype completed
- Policies and decisions related to continuous services have been made
- Service deployment model defined
- Ecosystem model described
- Digital pedagogy cooperation: Vision for the future of digital pedagogy 2030 defined, closer cooperation between developer networks, training launched, rules for joint offering defined
- Promoting the need to amend legislation and common interpretations
- Change management programme launched
- Select elements of key project work have been included in the project

- Consortium working and decision-making model established
- Stakeholder forum activities established
- Quality management integrated in all project activities
- Tools required for project work in use

2023–2024

- The first versions of the Digivisio 2030 services launched and continuous services operate according to the service level defined by higher education institutions
    - Minimum implementation of identity management piloted in pilot higher education institutions (beginning of 2023)
    - Implementation of identity management in extensive production use (2024)
    - Education offering for continuous learning at higher education institutions 1.0 launched in a joint service, which also includes third party implementations and joint e-learning offering (2024)
- Modularity taken into account in the joint learning offering
- Ecosystem model piloted and revenue logic attached
- Digital pedagogy rules for joint learning used in the joint offering of higher education institutions
- The change management programme provides support for the introduction of Digivisio 2030 services and the change work of higher education institutions
- Policies related to learning platform cooperation have been drafted
- Promoting the need to amend legislation and common interpretations
- Ensuring follow-up funding of the project

2025–

- Study offering and learner information in one place
- Seamless processes and services have been implemented
- The ecosystem creates significant added value through learning and teaching data
- Continuous development, interim assessments

DIGIVISIO

2022 - step by step

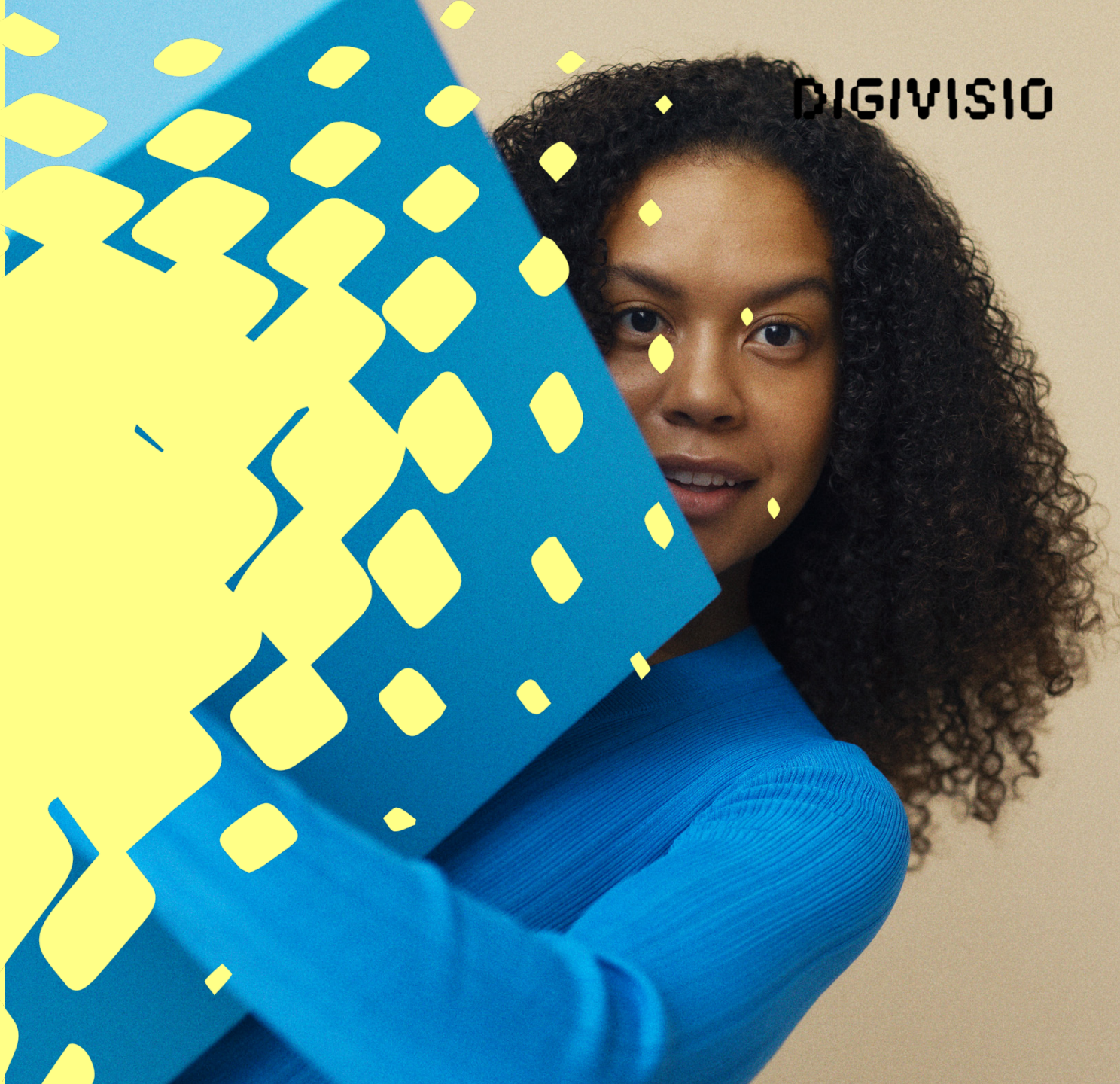
This year, Digivisio will focus on starting **internal change work** in higher education institutions.

Higher education institutions must be able to draft and commit to joint policies on the progress of the project. In general, **awareness** and **a commitment** to the project in higher education communities and other stakeholders is important.

While things are happening in the higher education field, the **implementation of the project services** will be launched, keeping a learner-oriented approach as a key part of the development work

Scenario

Finland has an internationally esteemed open learning ecosystem that widely benefits society as a whole



DIGIVISIO

World of expertise 2030

- The world is changing at an accelerating pace. People's expectations and ways of acting are changing fast.
- The competition for experts is getting tougher. In working life, there is a constant need to adopt new skills. Learning and expertise will take forms that we are not yet able to imagine.
- We do know, however, that the future will not be built just by solving today's problems or by looking on while others show the way.

DIGIVISIO

World of learners 2030

- The learning ecosystem shifts its focus from the organisation to the learner.
- Both experts and education providers develop their expertise.
- Studies involve an extensive network of contents and study modules produced by parties outside higher education institutions.

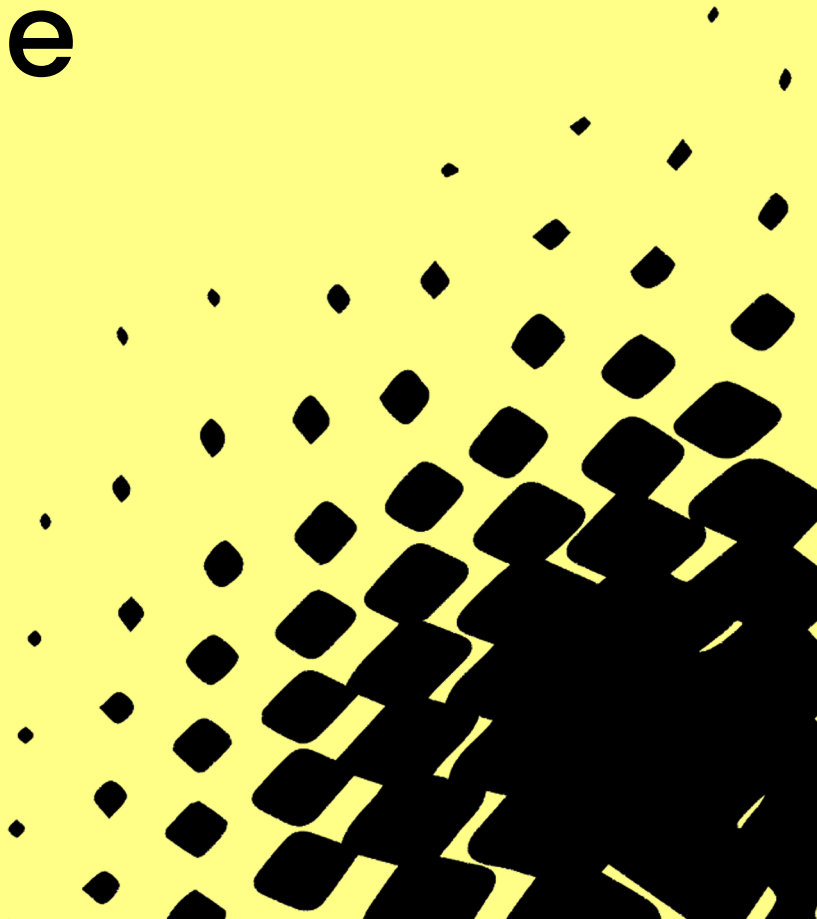
DIGIVISIO

World of learning 2030

- The provision of joint learning and building of systems will be made possible through cooperation between higher education institutions.
- Learning independent of time and place.
- Analytics can provide new information for planning and targeting the offering.

DIGIVISIO

"We must have the courage to build the future ourselves.



Implementation

Continuous and flexible learning platform - The first implementation of Digivisio

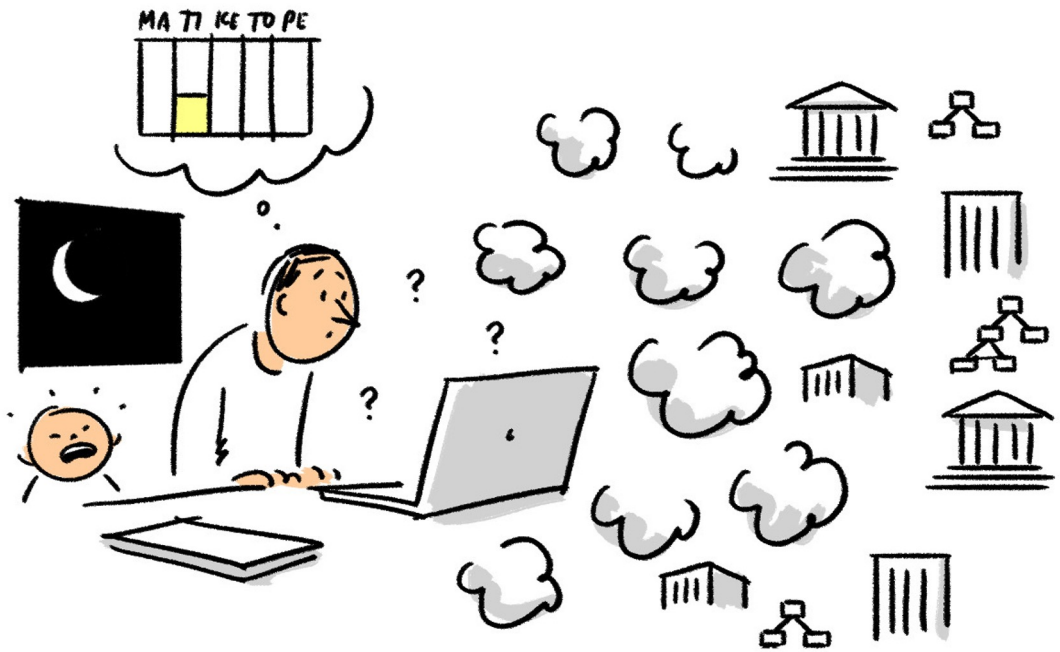
Learners find the current situation challenging

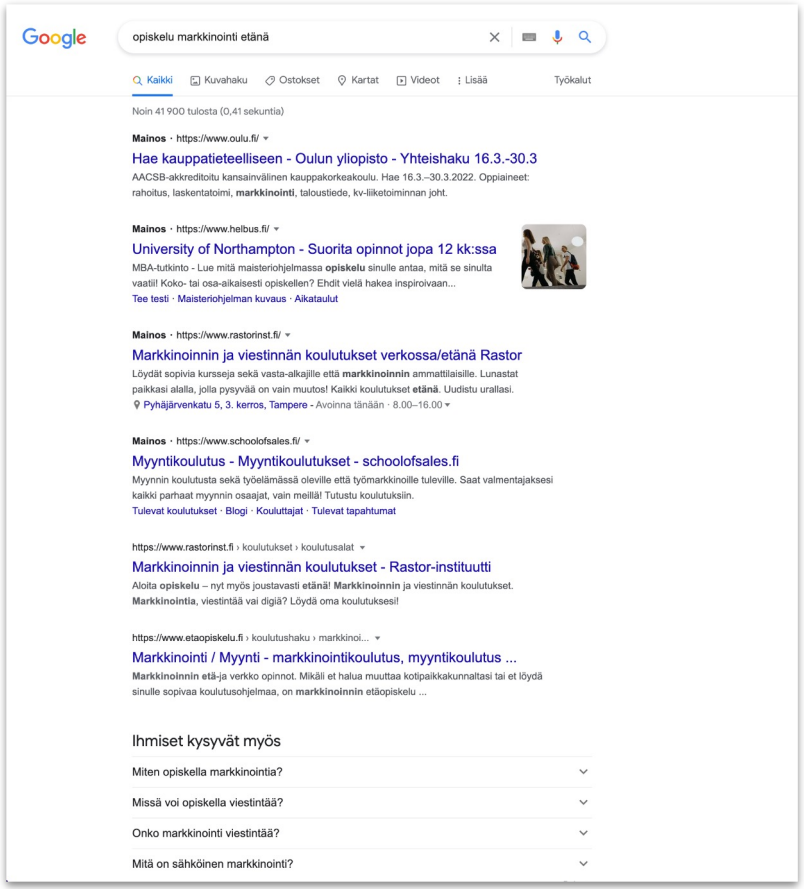
I would like to strengthen my expertise in marketing. I must be able to study despite my work and hectic everyday life.

Where can I find a course that suits my needs?

I've found lots of options through search engines.

Should I choose a course offered by a private provider or a higher education institution? Which one fits my schedule?





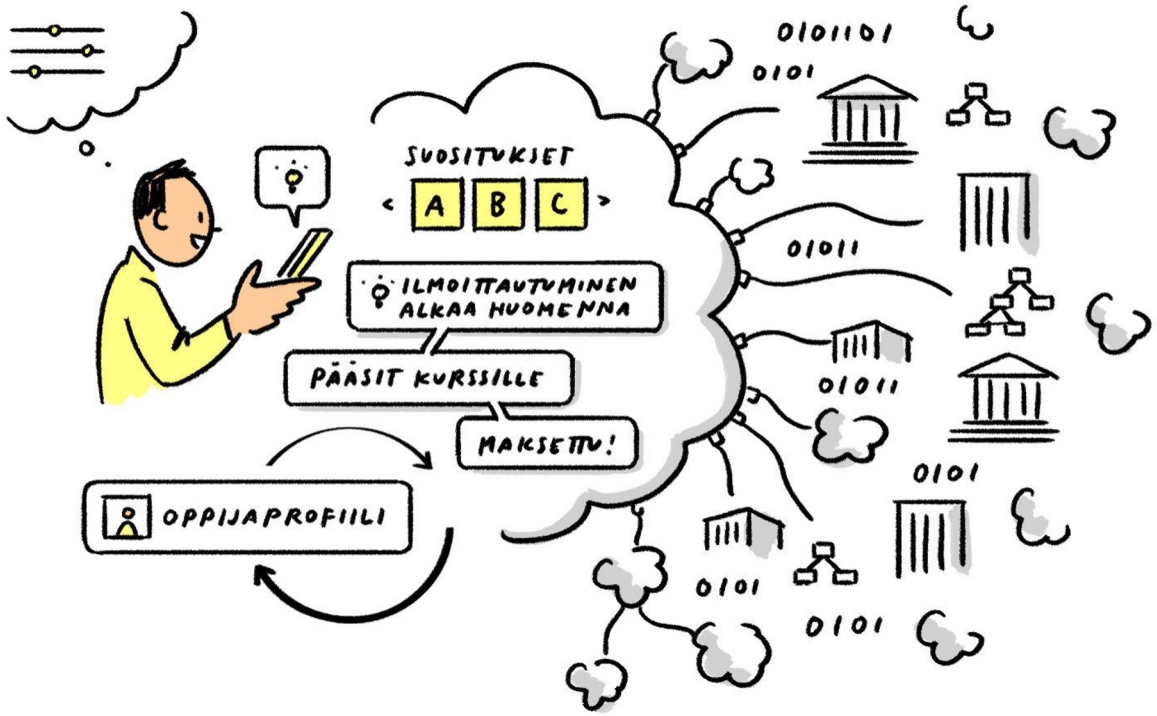
Education offering listed in one location makes it easier to find and register for an education that suits your life situation and needs

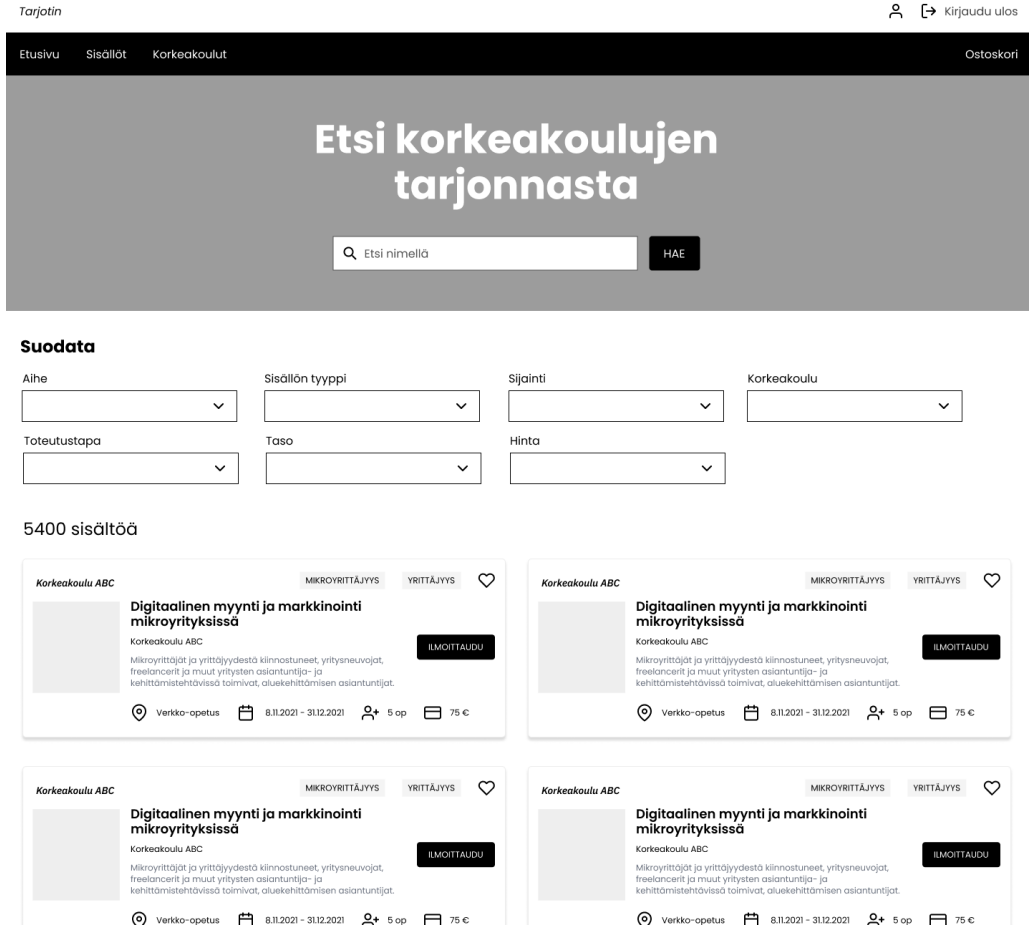
DIGIVISIO

All offered education "under one roof".

One address where I can browse, compare and eventually decide which education is right for me.

If I wish, I can focus on the education of a certain higher education institute and I can also easily access the school's website.





Digivisio services and technical solutions

DIGIVISIO

The continuous and flexible learning platform retrieves and presents the educational offering from the data platform, enables comparison and selection, and displays the transaction to the learner.

A user interface that brings the services together in one place and presents the offering

Educational offering enables the presentation and comparison of the offering

Identity management enables authentication via the learner's national, user-centric identity.

My Dataenables a personalized service experience and transactions by tapping into

the learner's existing knowledge and supplementing it in the process.

AI-based guidance services form the tray's recommendation engine to promote the alignment of supply and demand.

Joint application and registration services improve the implementation of conversions: uniform display of the registration process and payment options for the learner, attaching oneself to an institution or cross-institutional studies.

Key elements of the tray: identification, personalization, guidance and registration

The data platform collects the data required by the continuous and flexible learning tray from source systems and returns updated information to them. Data stored on the platform can also be used by other actors and software.

A joint knowledge base retrieves data from source systems where transactions are stored and where data is returned or redirected for different uses.

Source systems describe the offering and store the master data

Learners

Objective
The learner knows where to find educational offerings that correspond with competence needs

In practice
- An AI-based service that helps to identify competence needs based on one's own goals, prior learning and the competence needs of working life.
- The learner finds possible learner paths in one service and can easily compare them.
- Comparison and selection are supported by intelligent recommendations based on the learner’s existing knowledge and labour market data.

Higher education institutions

Objective
The educational offering reaches a wider public and is more effectively targeted

In practice

- A new joint channel for presenting the offering will be opened for higher education institutions
- A new view shared by higher education institutions for presenting and sharing educational offerings
- E-learning offerings can be more easily found
- Analytics helps in the planning and targeting of offerings

Society

Objective
To support innovation and enhance Finland's competitiveness

In practice

- The provision of studies can be targeted at the needs of society and the labour market
- Topical and tailored educational offering responds directly to the needs of employers
- National data resources for continuous learning will be made available to individuals and society

Companies

Objective
To create new business opportunities

In practice

- Enabling an ecosystem for companies, on top of which new services will be developed
- Co-design and open data

Timeline

(Digivisio 2030 services timeline)

1.0 Pilot

- Data platform MVP
- Identity management MVP

2.0 Pilot

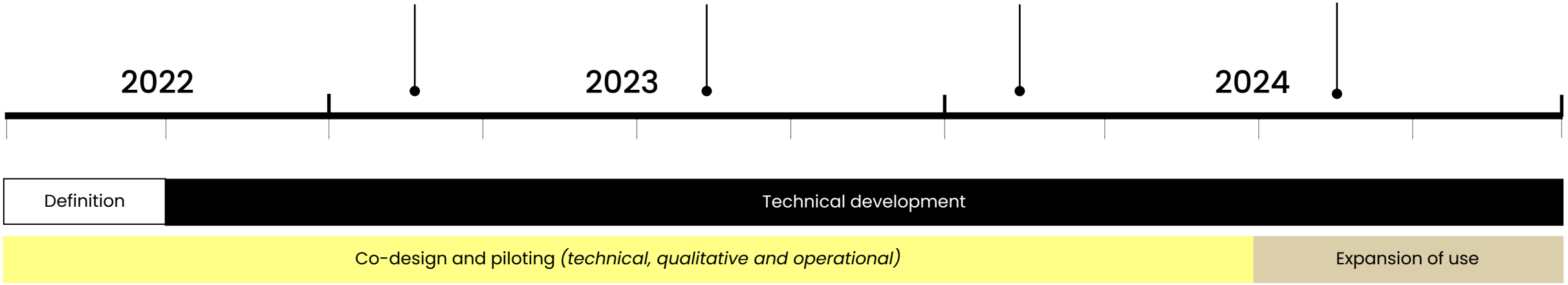
- Data platform
- Identity management
- My Data MVP
- AI-based guidance services MVP
- Registration MVP

3.0 Pilot

- Data platform
- Identity management
- My Data
- AI-based guidance services MVP
- Registration MVP

4.0 Launch

- Data platform
- Identity management
- My Data
- AI-based guidance services
- Registration



DIGIVISIO

www.digivisio2030.fi

linkedin.com/company/digivisio-2030

email: digivisio@csc.fi

Thank you!