

Roadmap and tools for developing digital competences in the Basque Country

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ABOUT IKANOS



Ikanos is a public initiative, the aim of which is to disseminate and share what digital competences are, how they can be acquired and improved and how to boost their development for learning and employment.

Ikanos offers the roadmap and the necessary tools to facilitate the processes for improving digital competences in the Basque Country, through an expert support service for people, companies and organisations.

Ikanos is a leading European initiative deployed within the Basque Country 2020 Digital Agenda. The Agenda is the strategic plan drawn up by the Basque Government coordinated by the Department of Economic Development and Infrastructures for developing the information society in the Basque Country.



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DIGITAL COMPETENCES



To contribute to a better understanding and development of digital competence in Europe, the Joint Research Centre (JRC, the European Commission's science and knowledge service) received a mandate in 2010 to identify the key components of Digital Competence and developed the **European Digital Competence Framework (DigComp)**. Digital competence is one of the key competences for lifelong learning in the 21st century.

This DigComp framework details the 5 areas of competence into which 21 competences and different levels of results are structured.

Ikanos's initiative is aligned with the DigComp framework and is supported by its components of knowledge, skills and the necessary attitude to become digitally competent at different levels.

Area	Competence	Level
1. Information and data literacy	1.1 Browsing, searching and filtering data, information and digital content	* * * *
	1.2 Evaluating data, information and digital content	* * *
	1.3 Storing and retrieving data, information and digital content	* * *
2. Communication and collaboration	2.1 Interacting through digital technologies	* *
	2.2 Sharing through digital technologies	* * *
	2.3 Engaging in digital citizenship	* *
	2.4 Collaborating through digital technologies	* * *
	2.5 Netiquette	* *
	2.6 Managing digital identity	* * *
3. Digital content creation	3.1 Developing digital content	* * *
	3.2 Integrating and reworking digital content	* *
	3.3 Copyright and licences	* *
	3.4 Programming	* * *
4. Security	4.1 Protecting devices	* * *
	4.2 Protecting personal data and privacy	* *
	4.3 Protecting health and well-being	* * *
	4.4 Protecting the environment	* *
5. Problem solving	5.1 Solving technical problems	* *
	5.2 Identifying technological needs and responses	* * *
	5.3 Using digital technologies creatively	* *
	5.4 Identifying gaps in digital competence	* * *

03 THE IKANOS MODEL



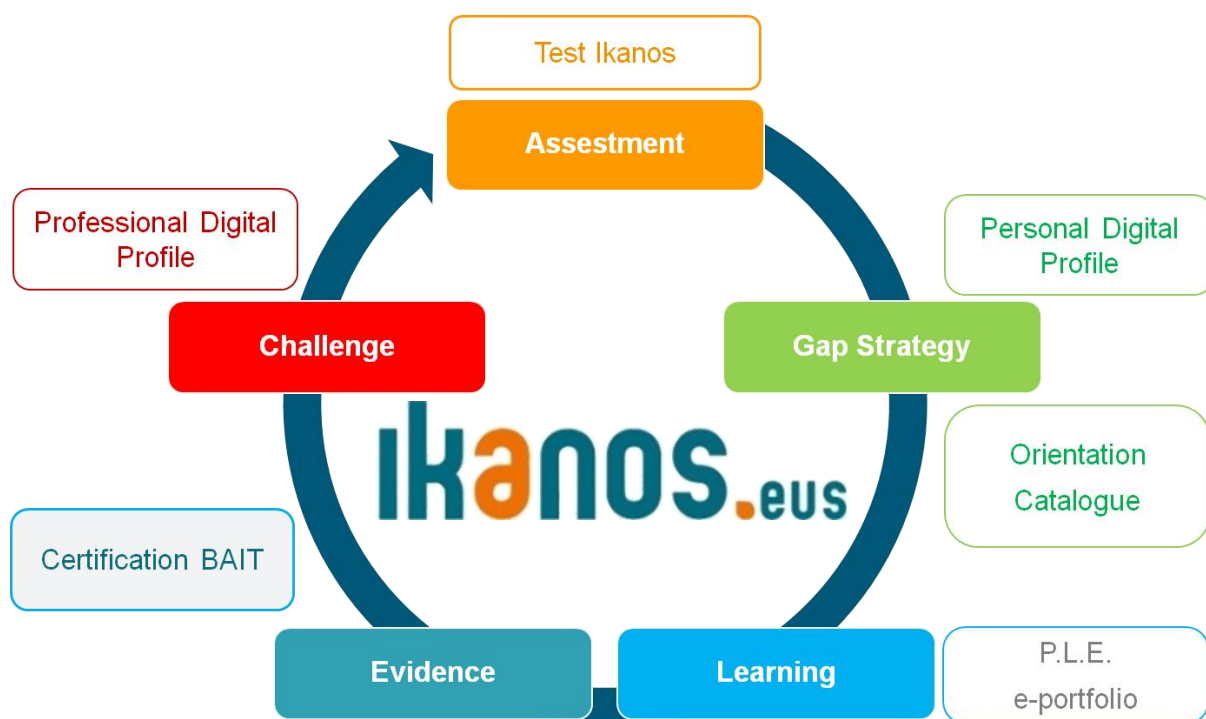
The initiative has been deployed using Ikanos's own model. The Ikanos model is a roadmap with two phases, five steps and supported by seven work tools.

The design phase includes three steps:

1. In the first step, challenge, the objectives to be achieved are defined, which are reflected in the professional digital profile.
2. Once the objectives are known, the starting point is measured using an online evaluation test.
3. The difference between the challenge and the results of the test shows the need for improvement in the personal digital profile and facilitates decision making in the design of the strategy to be used.

In the action phase, there are two steps:

4. Learning, supported by a process of guidance and recommending catalogued training resources.
5. As more competencies are acquired, the evidence generated can be supported by a certification tool.



04 PROFESSIONAL COMPETENCES



A benchmark digital professional competence profile specifies the knowledge, skills and attitudes that a professional must possess in order to adequately perform the tasks required to use ICT in a specific job or occupation.

The profile addresses the digital aspects of the tasks carried out in an occupation in detail and describes the specific content of digital activities in terms of the technological solutions used and associated with specific skills and levels.

The Ikanos professional digital profile develops the concept of sub-competence to define particular but very relevant digital activities in an occupation.



05 IKANOS TEST

The Ikanos digital competence self-assessment test is a questionnaire that collects information on the digital tasks of an occupation, on the tools used and on other noteworthy variables.

The test is a tool for diagnosing personal situations, which can be carried out in Spanish, Basque and English, has a duration of 20 minutes and generates a particular report in pdf format. Access to the test can be found on the initiative's website.

The test makes it possible to group and average an organisation's results by carrying out statistical calculations on the accumulated data of professionals.



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This tool provides a personalised appraisal of your digital profile as a citizen based on your responses to the questionnaire you are going to complete now.

The questionnaire is based on the **European framework of digital competences DIGCOMP** and fill out it will only take you twentyfive minutes.

At the end, you will be able to download a personalized report of your digital profile

The questionnaire is structured in 3 theme blocks in which you must self-assess your current personal status with regard to a series of aspects relating to the Information and Communications Technologies (ICTs)



OPTIONS

NEXT

AD  2020

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The need to improve personal digital profiles and decision making when designing the strategy to be undertaken begins by analysing the profile attained with the test, which shows the results obtained and compares them with the objectives to be achieved.

The Ikanos Orientation Guide is a tool for professionals who are providing guidance for employment and learning. Thanks to this guide, they can go much further, especially if they have additional information and examples of activities that make up digital competences.

The Ikanos catalogue of training resources is used to classify existing training materials according to the digital competences they are helping to develop.

Digital profile

JAVIER LUIS ELORRIAGA

10/06/2019

Advanced profile

Results

Goals

Results + Goals

Area	Digital Competence	Foundation	Intermediate	Advanced
Information Nivel intermedio	Browsing, searching and filtering information			
	Evaluating data, information and digital content			
	Managing data, information and digital content			
Communication Nivel intermedio	Interacting through digital technologies			
	Sharing through digital technologies			
	Engaging in citizenship through digital technologies			
	Collaborating through digital technologies			
	Netiquette			
Content creation Nivel intermedio	Managing digital identity			
	Developing content			
	Integrating and re-elaborating digital content			
	Copyright and licenses			
Safety Nivel intermedio	Programming			
	Protecting devices			
	Protecting personal data and privacy			
	Protecting health and well-being			
Problem solving Nivel intermedio	Protecting the environment			
	Solving technical problems			
	Identifying needs and technological responses			
	Creatively using digital technology			
	Identifying digital competence gaps			

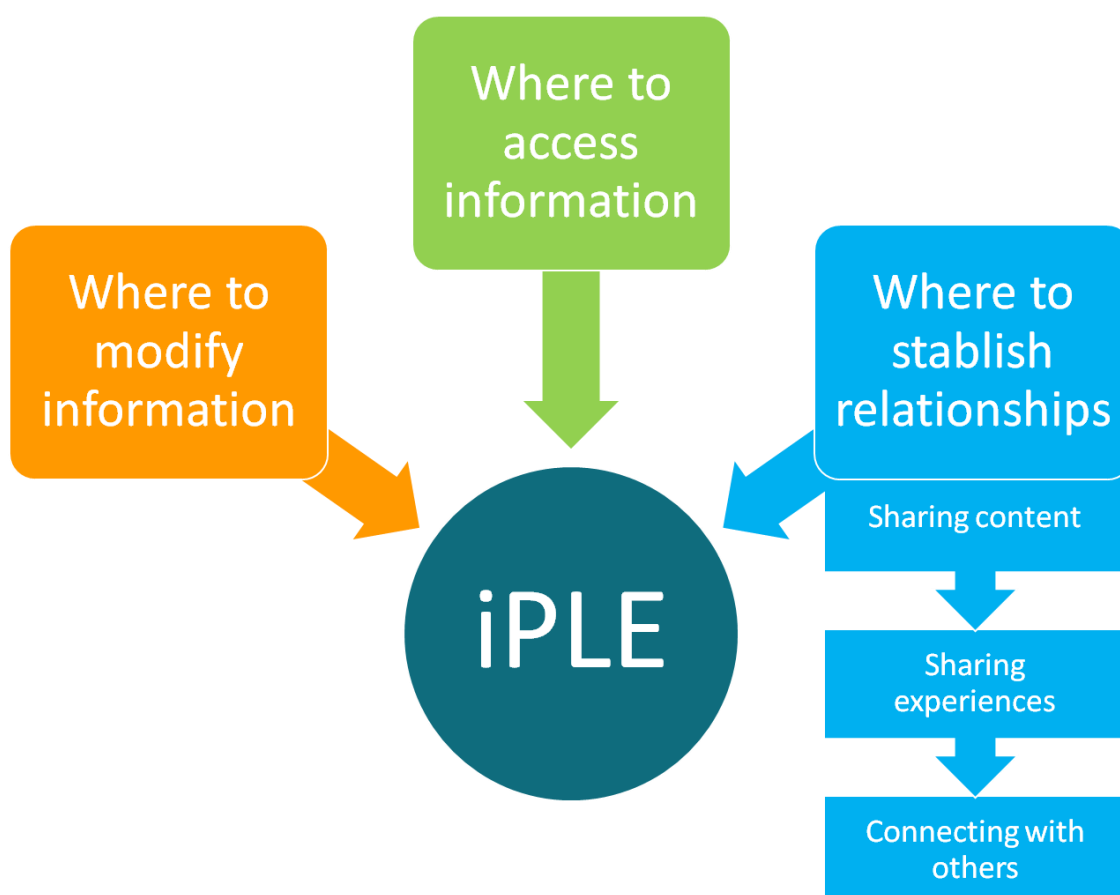
Ikanos promotes the **Personal Learning Environment (PLE)** as the best way to address the need for continuous updating of the digital competence of citizens and professionals.

It is a very useful tool for selecting and keeping alive the sources of information that allow the user to keep track of agents, the latest news and publications on areas of interest.

The PLE requires a certain level of information preparation, personal synthesis and creation of new materials that help fix knowledge.

The PLE format proposed by Ikanos focuses on developing employability skills.

This tool makes it possible to broaden and consolidate real non-formal learning experiences and encourages users to work collaboratively, creating learning communities and sharing knowledge, experiences and sources of information.



08 BAIT CERTIFICATION



BAIT is a certification system of digital competences that a person may demonstrate in an objective test.

BAIT is an evolution of the IT Txartela office tools knowledge certification. In the last 10 years more than 500.000 examinations have been carried out and more than 250.000 certificates have been issued.

The objective of a universal certification system such as BAIT is to be able to homogenise the assessment of skills as a benchmark in the definition of different citizen and professional profiles.

The assessment tests are free, online and carried out through the KZGunea telecentre network in the Basque Country.

BAIT

[Información](#) [Certificarse](#) [Demo](#) [Gestión](#)

[Identificarse](#)

es

en



**Certificamos
personas en
competencias
digitales**

09 NEXT STEPS



Ikanos is a living project in constant evolution. There are many aspects in which work is being done to improve the model and the tools available.

Thanks to the collaboration of different agents and the accumulated experience, the improvements in the area of tools is one of the main focal points of the evolution (test improvements, new weighted variables, interactive results pages...).

Moreover, the orientation area will be reinforced with the deployment of Ikanos labels to the digital training proposal in the Basque Country, making it easy to identify the contents associated with different competences. These improvements will also standardise the certification area, simplifying the identification of knowledge and evidence.

In short, the dissemination and search for new collaboration and the involvement of new agents, organisations, institutions and companies that help the initiative to grow will continue and be promoted.



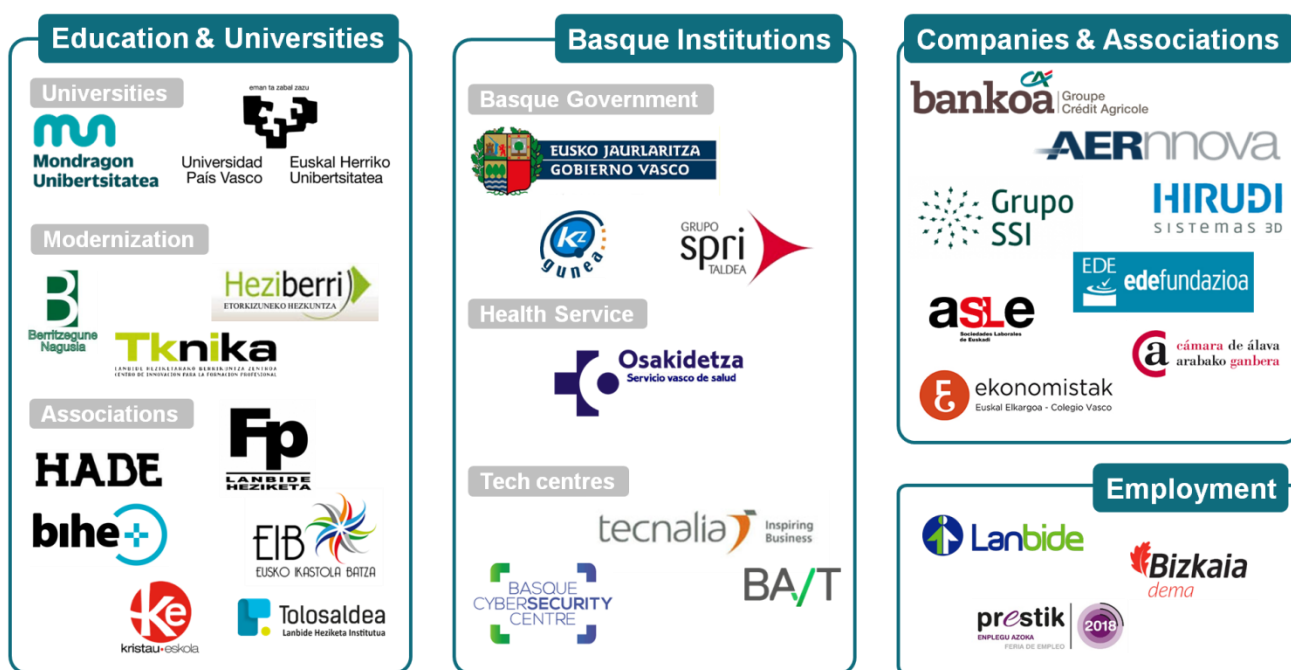
10 COLLABORATION



Ikanos is an open initiative, with direct collaboration with economic and social agents in the Basque Country interested in improving the skills of their groups to achieve the digital transformation of their organisations.

The philosophy of collaboration seeks to establish relationships with entities that can take advantage of the model for the evolution of their processes, that can provide knowledge for the improvement of the model itself, that are interested in replicating part of the model or that require Ikanos support services to implement a digital skills management system.

The collaborations established throughout the initiative are very diverse, addressing all sectors and types of organisation present in the Basque Country.



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