LIFELONG LEARNING FROM THE PERSPECTIVE OF PERSONAL LEARNING ENVIRONMENTS (PLEs)

Maite Goñi

I work at Mondragon University in the field of digital competence & online learning.

I train teachers in different faculties on those knowledge areas.

I collaborate with IVAP (Basque Institute of Public Administration)

One of its objectives is the training of personnel at the service of Basque public administrations.

I've created courses on digital competences based on DigComp

I have been asked to give my view on Personal Learning Environments
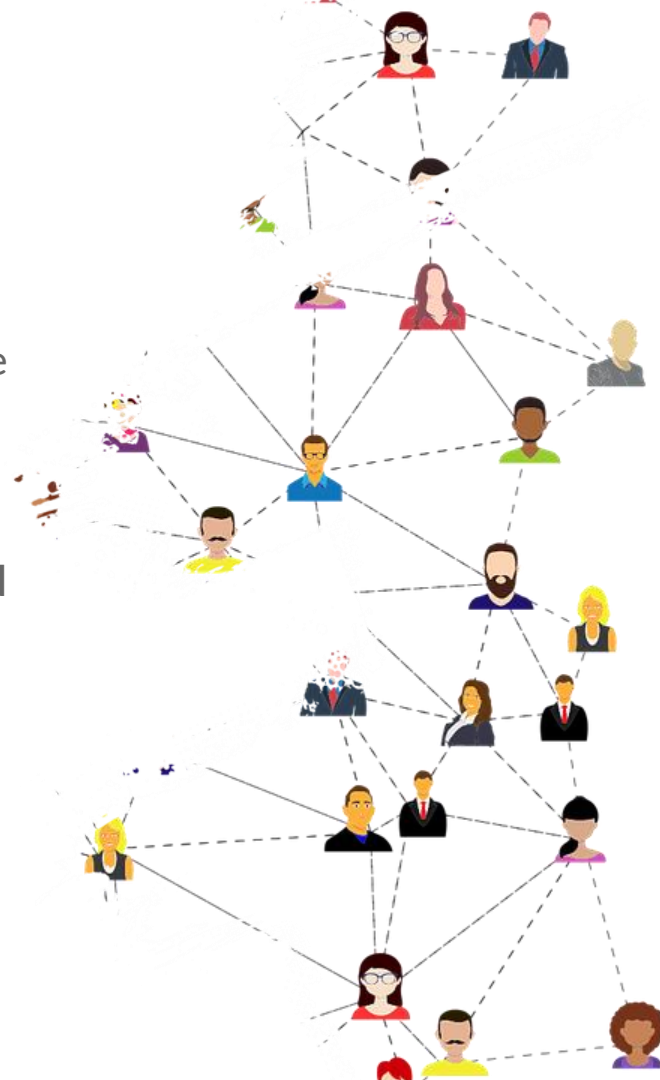
Concept of PLE by Graham Atwell

The idea of a Personal Learning Environment (PLE) recognises that…

- ✕ learning is continuing and seeks to provide tools to support that learning
- ✕ the role of the individual in organizing their own learning
- ✕ the idea that learning will take place in different contexts and situations and will not be provided by a single learning provider. Linked to this is an increasing recognition of the importance of informal learning.

Learners…

× **No longer necessarily locked into a particular course in order to gain a qualification** but are able to present their learning to prove they possess such competencies or are able to achieve those outcomes.

× **Could select evidence and artefacts from the PLE for presentation for qualification purposes.** It is also important to note that formal qualifications are increasingly only seen as one aspect of competence, at least for employment purposes.

× **Employers also increasingly wish to see evidence of the ability to apply skills and knowledge in a particular context.** PLEs could facilitate such presentations, in an extended form of an ePortfolio and through links to an e-Portfolio.

So... what is a PLE?

×   A new approach to "learning to learn" using **technological tools (media), information sources (sites) and social networks (people) of interaction** (Personal Network of Learning PLN).

×   It is about learning throughout life through a solid digital competence, combining formal and informal learning.

×   It depends on the learner (skills, attitude...)

IVAP

Basque Institute of Public Administration

Online courses on DigComp for the personnel at the service of Basque public administrations.

- × Competence area 1: Information and data literacy

  - × 1.1 Browsing, searching and filtering data, information and digital content
  - × 1.2 Evaluating data, information and digital content
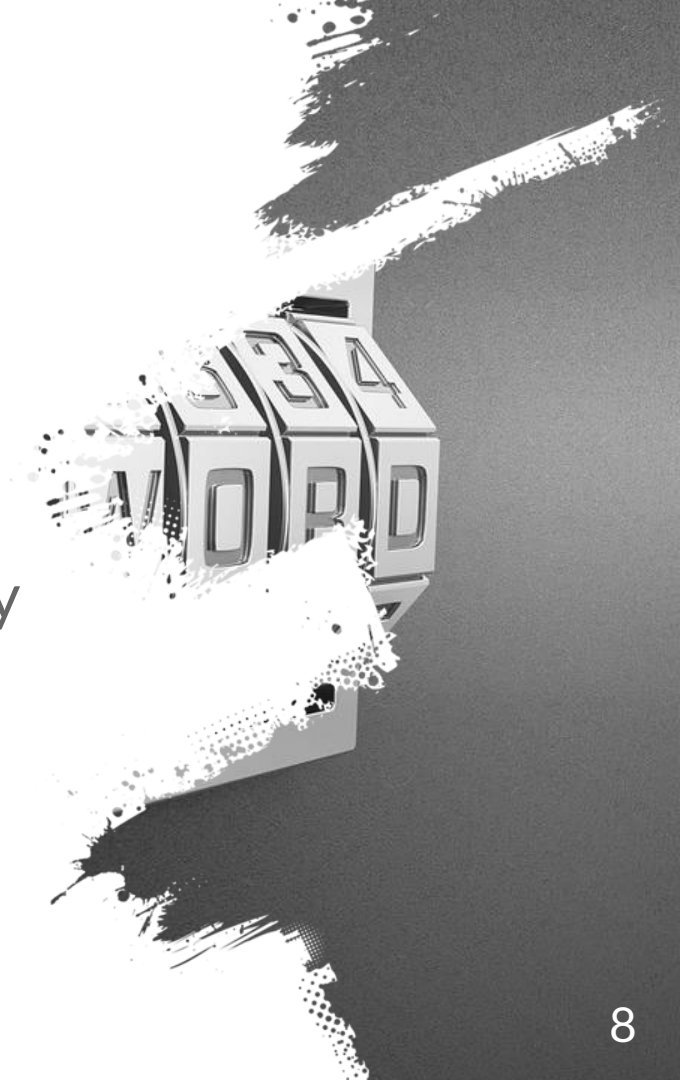 - × 1.3 Managing data, information and digital content

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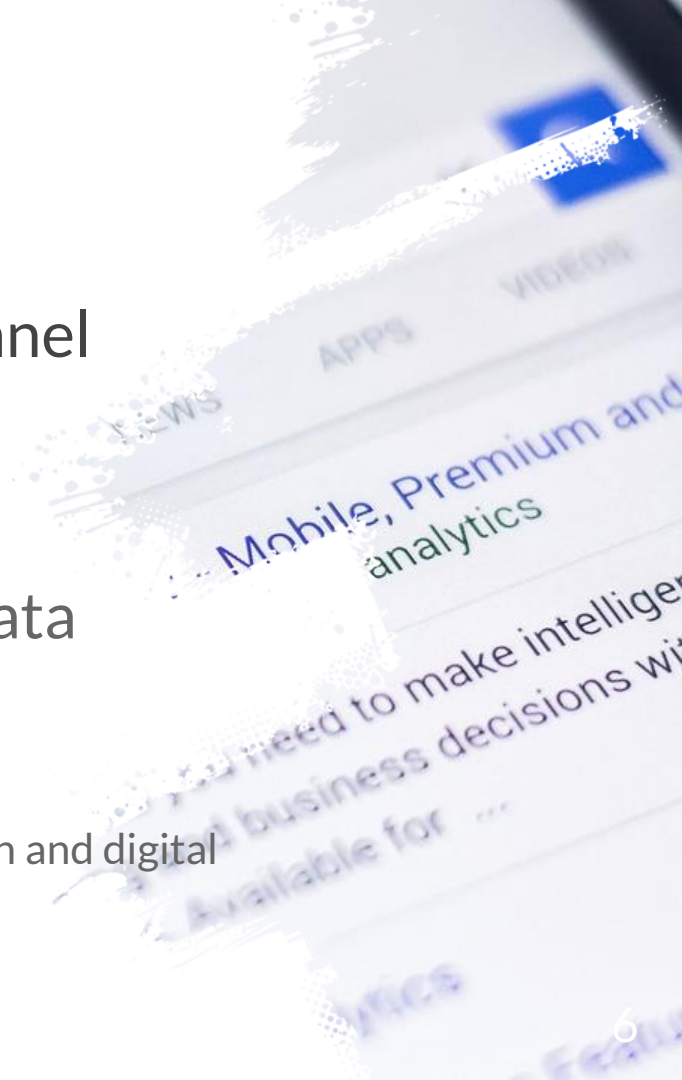
Competence area 2: Communication and collaboration

- × 2.5 Netiquette
- × 2.6 Managing digital identity

Competence area 4: Safety

- × 4.1 Protecting devices
- × 4.2 Protecting personal data and privacy
- × 4.3 Protecting health and well-being
- × 4.4 Protecting the environment

Competence area 5: Problem solving

- × 5.3 Creatively using digital technologies
- × 5.4 Identifying digital competence gaps

Identifying Digital Competence gaps

Main **objectives**:

×   Analyze where learners should improve or update their digital competence.

×   Learn to look for concrete opportunities for self-learning and to keep up with the digital evolution.

×   Develop skills to create a Personal Learning Environment (PLE).
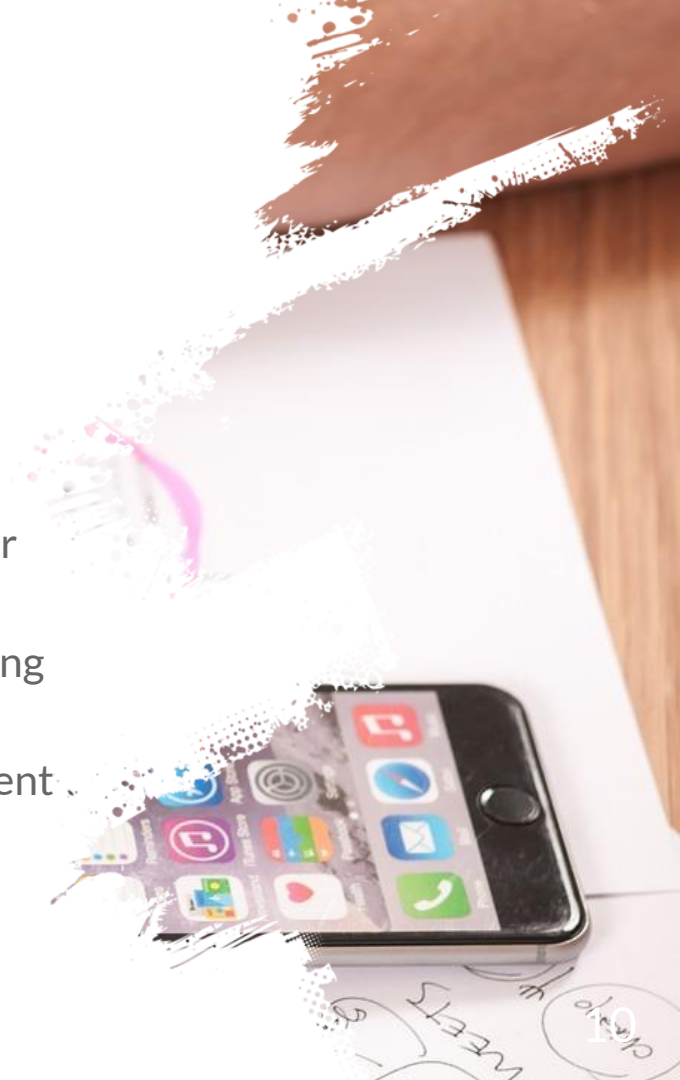
In my view...

- × I believe that there are certain strategies and tools valid for all profiles (we have included them in the course).

- × The objective is that these strategies and tools give them the possibility to continue forming throughout life.

- × They could be valid not only for personnel at the service of Basque public administrations, also for employability.

Tools and strategies to manage data, information and digital content

PLE for personnel at the service of Basque public administrations

Tools and strategies to reflect and create / edit information and digital content

Tools and strategies to share and interact with the community (PLN)

Tools & strategies to manage data, information and digital content

× **Searching:** strategies & tools to find information:
  × Search engines: Google, Bing, DuckDuckGo, Wikipedia ...
  × Search strategies: Advanced & filtered searches
  × Specialized searches (Twitter, YouTube, Slideshare...)

× **Management / monitoring of sources and filtering of information:**
  × RSS Readers: Feedly
  × Personalized journals: Paper.li
  × Saving & tagging: Pocket
  × Content curation: Pinterest, Scoop.it

× **Storage and recovery (organization):**
  × Saving in the cloud / Social bookmarks: Diigo, Evernote

× **Strategies to evaluate information:**
  × Add-ons, tips & tricks to identify fake news, rubrics ...

Tools and strategies to reflect and create/edit information and digital content

- × All kinds of content creation / editing tools:
  - × Blogs, wikis...
  - × Infographics, mindmaps, timelines
  - × Creative presentations (Genially, Prezi...)
  - × Audios, podcasts, videos , videotutorials

Tools and strategies to share and interact with the community
(Personal Learning Networks – PLN)

× Social networks
  × Twitter
  × Facebook
  × LinkedIn
  × Instagram
  × WhatsApp, Telegram

× Other interesting social networks:
  × YouTube,
  × Pinterest,
  × Flickr
  × ...

Image by Gerd Altmann from Pixabay, CC0 Public Domain

PLE infographic (Néstor Alonso)

CONTENIDOS — digitales, impresos, multimedia,...
SCOOP IT, PINTEREST, EVERNOTE

RSS — flujo de información "Content Curation" gestión y filtrado
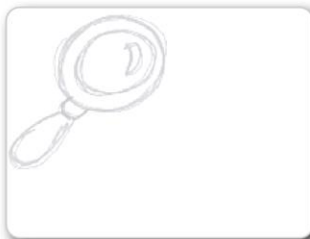GOOGLE READER, SYMBALOO, FEEDBURNER, FRIENDFEED, STUMBLEUPON, PEARLTREES

MARCADORES SOCIALES — etiquetado semántico, compartir recursos
DIIGO, DELICIOUS, MR. WONG

LMS MOODLE — BUSCADORES

SCORM, eXe LEARNING, COPYLEFT, OPEN CONTENT

DISEÑO DE TAREAS — tareas integradas, competencias, aprender haciendo

PLE — ecosistema, autoaprendizaje, lifestreaming

BLOGS — publicación personal, gestión de contenidos, conversación
WORDPRESS, BLOGGER, TUMBLR

WIKIS — construcción colaborativa, rastro de proyectos
WIKISPACES, WETPAINT, WIKIA

REDES SOCIALES — información, colaboración, compartir
TWITTER, FACEBOOK, EDMODO, LINKEDIN, ABOUT ME

PLN — profesorado, alumnado, familias, claustro virtual, intercambio

AUTO-FORMACION — proactividad, necesidad, efectividad, profesionalidad

VIDEOCONFERENCIA STREAMING — amplitud, comunicación, participación
SKYPE, GTALK, HANGOUTS, USTREAM, LIVESTREAM

MOOC

MULTIMEDIA TRANSMEDIA — lectoescritura, alfabetización, producción, creatividad, comunicación
FLICKR, GLOGSTER, VIMEO, YOUTUBE, SOUNDCLOUD, IVOOX, PHOTOPEACH

CURACIÓN Y GESTIÓN DE CONTENIDOS ETIQUETADO SEMÁNTICO
COCINA DE CONTENIDOS DISEÑO DE TAREAS
HERRAMIENTAS
REDES SOCIALES INTERCAMBIO Y COLABORACIÓN
PRODUCCIÓN MULTIMEDIA PUBLICACIÓN

PLE: Personal Learning Environment / Entorno Personal de Aprendizaje

Néstor Alonso

NOMBRE | ENTIDAD

ACTIVIDAD _ ¿Cómo es mi PLE?

CURSO | FECHA

BUSQUEDA
herramientas/servicios para buscar información

FILTRADO
herramientas/servicios para filtrar información relevante

ORGANIZACIÓN
herramientas/servicios para organizar la información seleccionada

GENERACIÓN DE CONTENIDOS
herramientas/servicios para generar contenidos digitales

COMPARTIR CONTENIDOS
herramientas/servicios para compartir contenidos en la red

PLN/COMUNICACIÓN
herramientas/servicios para comunicarse y participar en comunidades

david álvarez [http://e-aprendizaje.es/]

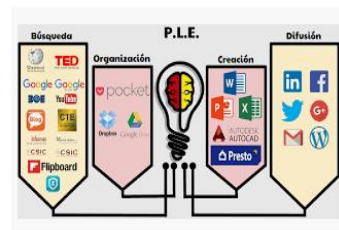|	
Qué es el PLE de un docente? grupoeducar.cl	PLE que viene – RTIC6-Diseña tu PLE rtic6ple.wordpress.com
Mi PLE - 2º ESO Lengua y Literatura sites.google.com	Mi PLE | Margullando en las TIC www3.gobiernodecanarias.org
Claves para la elaboración del E... aukera.kristaueskola.eus	PLE | Educación conectada en ti... blog.intef.es
Mi PLE – Introducción al Trabajo Fin de Máster (iTFM) ... blogs.upm.es	

PLE: Aprendizaje conectado en Red: ... pinterest.es	Mi PLE - María Valenzuela 2ºESO sites.google.com
Jesús Molina Blog&Portfolio: #REDucación Mi PLE ... jesusmolina-mi-mooc-ple.blogspot.com	Y tú, ¿ya tienes tu PLE? | Educ-a... marcosbielba.wordpress.com
Entorno personal de aprendizaje. M... researchgate.net	PLE un enfoque transformador de las Te... educacionyculturaaz.com
1. ¿Qué es un PLE? - sapientia... sites.google.com	

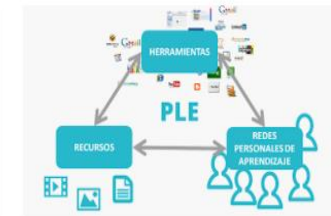|	
PLE - Entorno Personal de Aprendizaje | TicArte ticarte.com	El diagrama de mi PLE | Raúl Diego rauldiego.es
Cacoo - Mi PLE | Ejemplos - Mapas mentales | Map y ... pinterest.com	Como es mi PLE (Personal Learnin... blog.fjbg.es
3.2.5 PLE: Estructura ebolo.es	Ejemplo de PLE Docente del Siglo XXI (Modulo 1) - Blog d... postecnologia.com

Source: PLE diagrams (Google search screenshot)
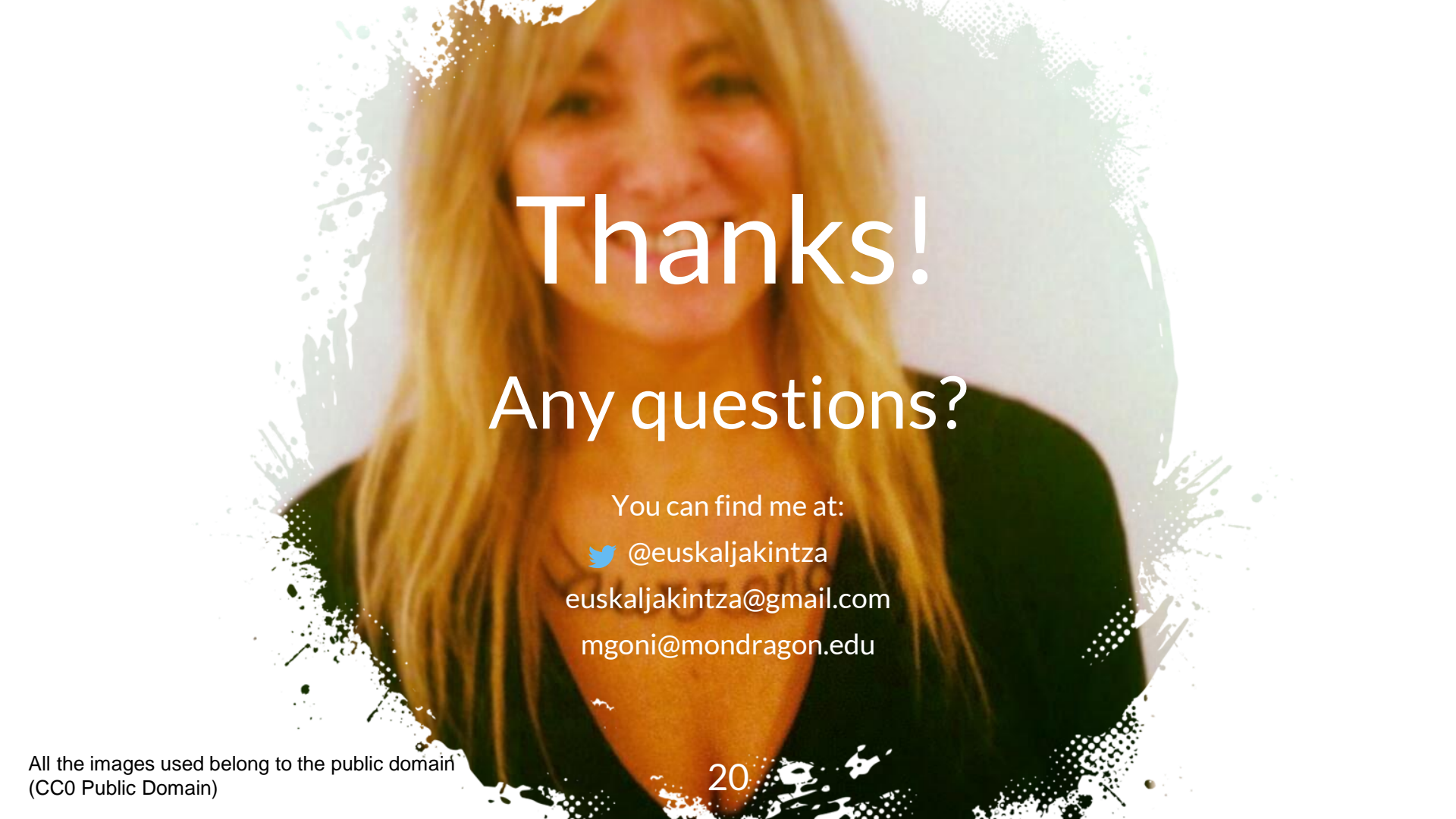
At Mondragon University

Similar approach with students:

- Creation of a PLE: adapted to different needs/types of professionals (comparison at the beginning and end of the subject /training)
- Creation of a plan for lifelong learning guided by questions
- Creation of a portfolio to collect evidence of learning
- Importance of digital identity

"*Provide more responsibility and more independence for learners. They would imply redrawing the balance between institutional learning and learning in the wider world. Change is difficult but it is probable that the rapid development and implementation of new technologies and social change make change in our educational provision inevitable.*"

Graham Atwell

Thanks!

Any questions?

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