Work-integrated dual learning

Current perspective and a future outlook

COOPERATIVE UNIVERSITY

Mondragon Unibertsitatea

OWNERSHIP AND PARTICIPATION

COOPERATION AND INTER-COOPERATION

PERSONAL DEVELOPMENT FOR SOCIAL TRANSFORMATION

SOCIAL RESPONSABILITY

ENGINEERING · BUSINESS MANAGEMENT · EDUCATION · COMMUNICATION · GASTRONOMY · ENTREPRENEURSHIP · COOPERATIVISM

MONDRAGON DUAL
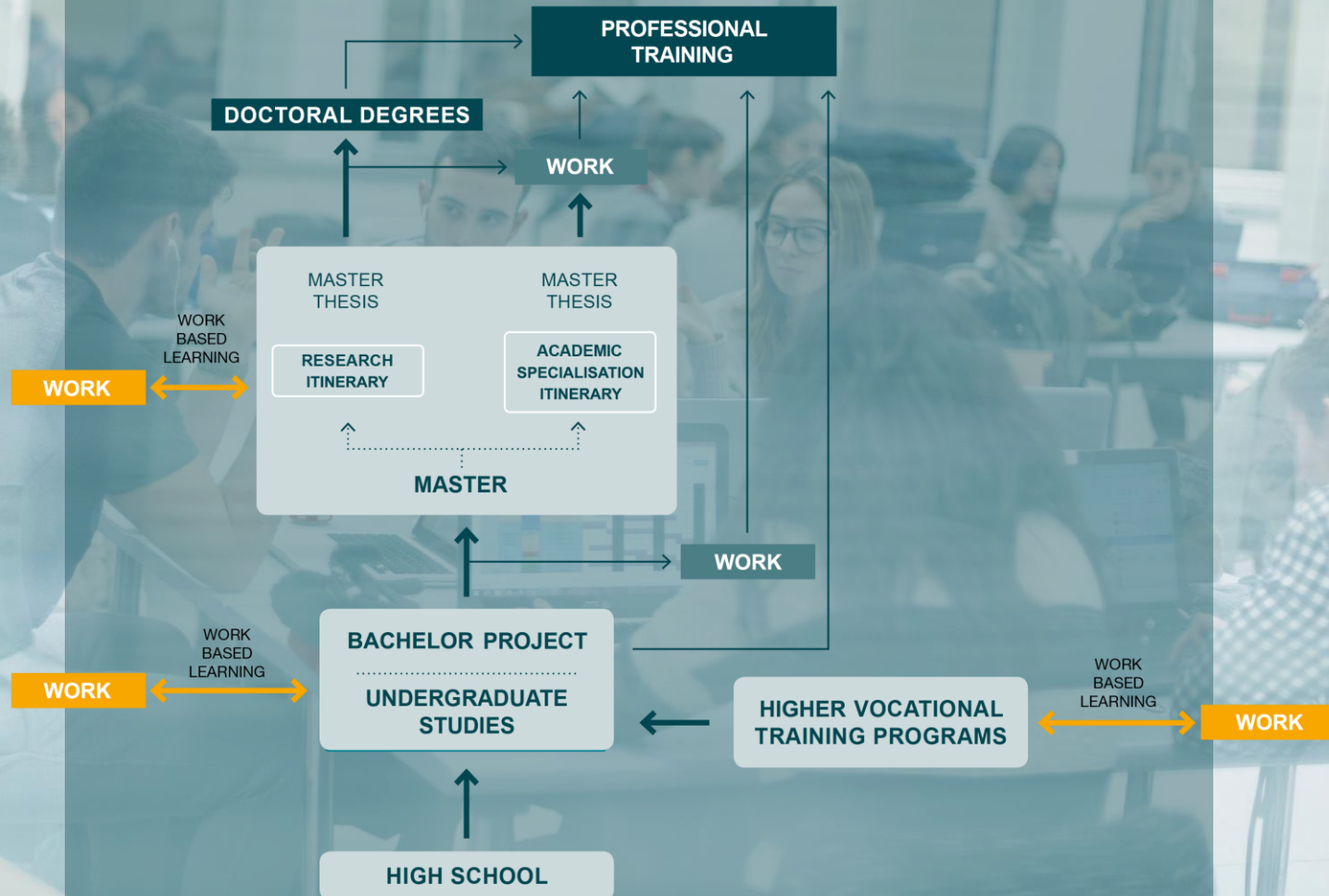
Developing TALENT in GLOBAL CONTEXTS

THE **1ST** INDUSTRIAL GROUP IN THE BASQUE COUNTRY AND THE 7TH IN SPAIN

261 COOPERATIVES AND COMPANIES
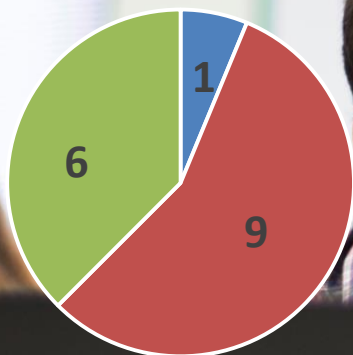
74,335 PEOPLE

125 SUBSIDIARIES WORLDWIDE

15 TECHNOLOGY CENTRES AND R&D UNITS

ACADEMIC ITINERARY

Mondragon Unibertsitatea

REAL PROJECTS

4.360 UNDERGRAD STUDENTS (2018-2019)

UNDERGRADUATE DEGREES

12TH UNIVERSITY IN EUROPE IN REGIONAL INVOLVEMENT

1
6
9

■ Dual degrees

■ Dual itineraries

■ Rest of degrees

U-Multirank

UNDERGRADUATE DEGREES

ENGINEERING ⑨

- Mechanical Engineering (WBL)
- Industrial Design and Product Development Engineering (WBL)
- Industrial Organisation Engineering (WBL)
- Industrial Electronics Engineering (WBL)
- Computer Engineering (WBL)
- Energy Engineering (WBL)
- Eco-technology in Industrial Processes Engineering (WBL)
- Biomedical Engineering (WBL)
- Mechatronics Engineering (WBL)

BUSINESS MANAGEMENT ②

- Business Administration and Management (WBL)
- Business Analytics

ENTREPRENEURSHIP ①

- Entrepreneurial Leadership and Innovation

EDUCATION ②

- Infant Education
- Primary Education
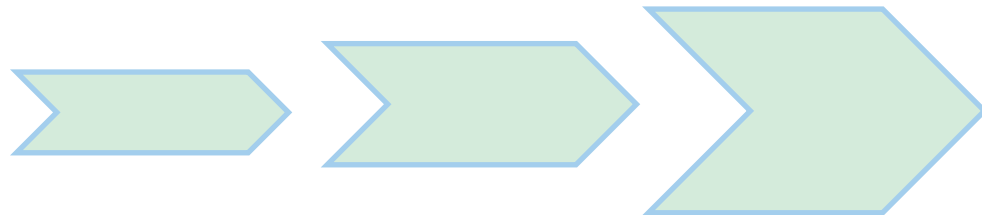
COMMUNICATION ①

- Media Communication

GASTRONOMY ①

- Gastronomy and Culinary Arts

Dual Engineering: Work + Study

Bachelor Degrees (Mechanical, Design, Organisation, Electronics, Computing, Energy, Eco-technology, Bio-medical) –Dual learning itinerary (Work-integrated):
*Optional participation

Sept./July   Sept./July   Sept./July

1. year   *2. Dual year   *3. Dual year   4. Dual year
Final year
project

DUAL
unibasq
PRESTAKUNTZA
AITORPENA
RECONOCIMIENTO
DE FORMACIÓN
DUAL

Alternating work/study
4hours/day in company

Full time in company
8hours/day 9 months

25%
integrated in the
curriculum

Dual Engineering: Work + Study

Dual Bachelor Degree- Mecatronics engineering
* Mandatory participation

Sept./July   Sept./July   Sept./July

1. year   2. Dual year   *3. Dual year   *4. Dual year
                                                Final year project

DUAL unibasq
PRESTAKUNTZA AITORPENA
RECONOCIMIENTO DE FORMACIÓN

Alternating work/study
4hours/day in company

Alternating work/study
4hours/day in company 5 months
Full time in company
8hours/day   5 months
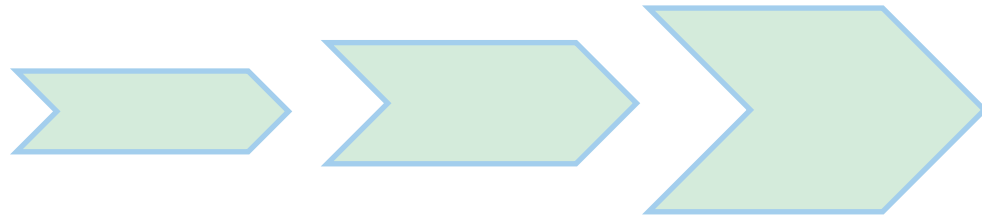
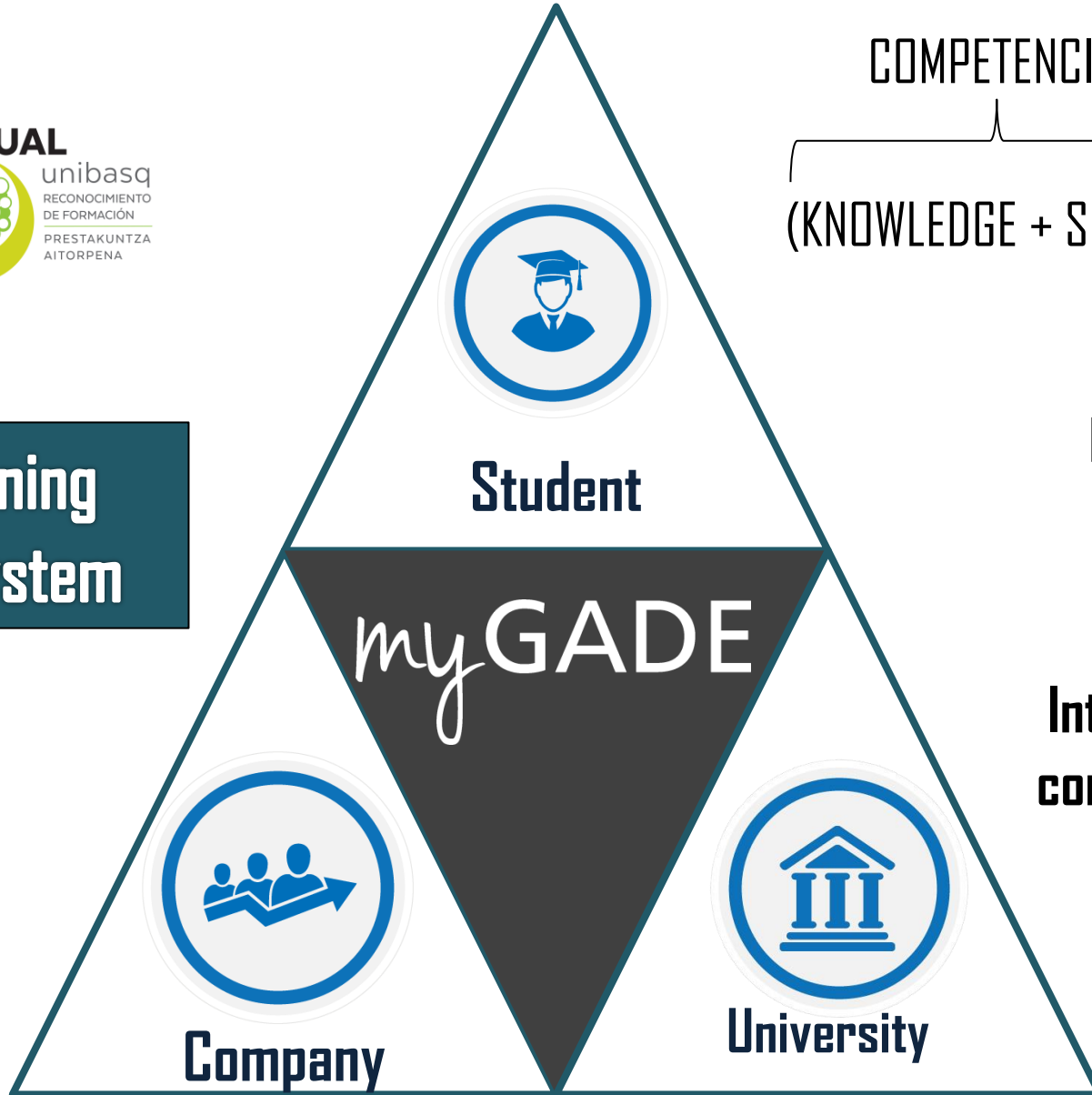30%
integrated in the curriculum. Diploma Suplement

Dual Degree in Business Administration

DUAL
unibasq
RECONOCIMIENTO
DE FORMACIÓN
PRESTAKUNTZA
AITORPENA
DUAL

Learning Ecosystem

Student

myGADE

Company

University

COMPETENCIES

(KNOWLEDGE + SKILLS) * ATTITUDE

MULTIPLIER EFFECT

Integrated in the company from 1st to 4th year

Mondragon Unibertsitatea

613 STUDENTS (2018-2019)

68% STUDENTS IN WORK-BASED LEARNING PROGRAMS (WBL)

1st UNIVERSITY IN SPAIN IN KNOWLEDGE TRANSFER

10

8
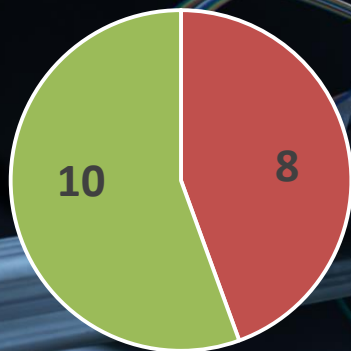
☐ Dual masters

☐ Dual itineraries in masters

☐ Rest of masters

EMPLOYABILITY RATE **93%**

U-Multirank

MASTER´S DEGREES

ENGINEERING (8)

- Business Innovation and Project Management
- Industrial Engineering (WBL)
- Strategic Product and Service Design (WBL)
- Energy and Power Electronics (WBL)
- Embedded Systems (WBL)
- Biomedical Technologies (WBL)
- Robotics and Control Systems (WBL)
- Data Analysis, Cybersecurity and Operations Development (WBL)

BUSINESS MANAGEMENT (5)

- Accounting and Financial Management
- Digital Marketing
- International Business Management
- Strategic Talent Management
- Social Economy and Cooperativism (ONLINE)

EDUCATION (4)

- Teacher training for Secondary Education, Vocational Training and Teaching of Languages
- Learning Facilitation and Innovation
- Education in Multicultural and Multilingual Contexts (ONLINE)
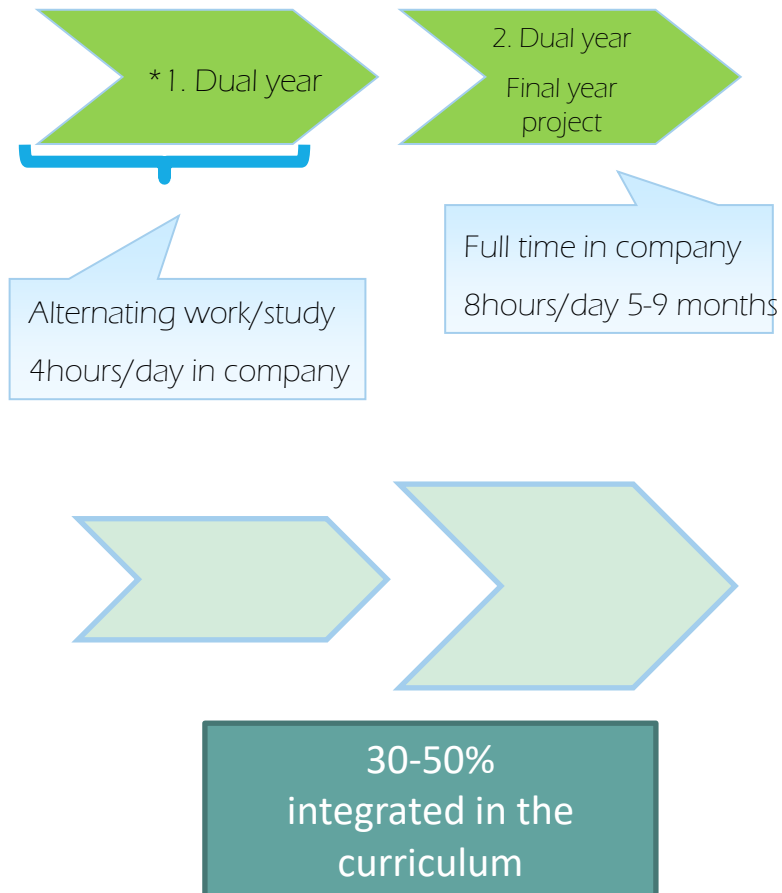- Development of Methodological Innovation Projects in Educational Institutions (ONLINE)

GASTRONOMY (1)

- Gastronomic Sciences

Dual Engineering: Work + Study

Masters' Degrees –Dual learning itinerary:
*Optional participation

*1. Dual year

2. Dual year
Final year project

DUAL
unibasq
PRESTAKUNTZA AITORPENA
RECONOCIMIENTO DE FORMACIÓN

Alternating work/study
4hours/day in company

Full time in company
8hours/day 5-9 months

30-50% integrated in the curriculum

Teaching Habilitation for the Exercise of the Profession of Secondary Education, Vocational Training and Teaching of Languages

Mondragon Unibertsitatea

DUAL unibasq
RECONOCIMIENTO DE FORMACIÓN
PRESTAKUNTZA AITORPENA
DUAL

1 YEAR MASTER

60 ECTS

2018-2019

PILOT PROGRAMME
30 STUDENTS

11 ACADEMIC TUTORS

30 SCHOOL TUTORS

DUALECA:

NETWORK FOR DUAL LEARNING IN EDUCATION
Universitat de Lleida
Universitat d'Andorra

Quality assurance of work-based learning

ApprenticeshipQ: Partners

ApprenticeshipQ :

Develop a body of best practice between HE, HVET institutions and companies
Identify innovative and good practices of QM within the partner countries

Ensure the learning outcomes that should be achieved through apprenticeships

Mission

APP-
REN-
TICE-
SHIP-
Q

MONDRAGON
UNIBERTSITATEA

The lack of European guidelines to support steady and sustainable Apprenticeship Programmes (EQF 5-6).

Our **mission** is to develop management tools that support Higher Education institutions and employers to offer high-quality apprenticeships.

Mainstreaming Procedures for Quality Apprenticeships in Educational Organisations and Enterprises (ApprenticeshipQ)

Project Ref: 2017-1-DE02-KA202-004164

This project has been funded with support from the European Commission. This website reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Co-funded by the Erasmus+ Programme of the European Union

A categorization/typology of Apprenticeships

Identify different types of apprenticeships in Europe
harmonize the dialogue between its actors across countries
facilitate mobility and recognition schemes.

A categorization/typology of Apprenticeships

Type of Apprenticeship / Characteristics:

Average Length of programme/ Balance between education in institution & company
curriculum-integrated, work-related, work-based, work-integrated
Formal contract/payment
Admission requirements

ApprenticeshipQ: Types

Austria:
Full time program (Cooperative education)
Full time program (regular)
Full time program (work enabling)
Full time program (health sciences)
4 types

Germany:
Pre- Study Internship –Vorpraktikum
Specialized Internship - Fachpraktikum
Practical Semester / Intership Semester - Praxissemester
Dual Study Programmes (Universities, UAPS)
Dual Study Programmes (University of Cooperative Education, Vocational Academy (BA)
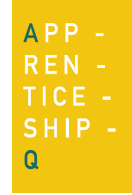Advanced Vocational Qualification - Meister, Techniker, Fachwirt
Advanced Vocational Programme - trade & technical schools
Health Sector Schools - Health Care Sector
8 types

ApprenticeshipQ: Types

Spain:
Dual programme
Dual degree
Internship (practicas)
VET Dual programme
Intenship (health sciences)
5 types

England:
VET apprenticeships
4-5 higher apprenticeships – PHE or HVET
6+ degree apprenticeships – PHE or HVET
3 types

Portugal:
HE, Internship "Estágio"
HVET Professional Higher Education Technical Programmes "CTeSP – Cursos Técnicos Superiores profissionais"
VET "CET - Curso de Especialização Tecnológica"
4 types

Slovenia:
5 types

ApprenticeshipQ: Definition

After extensive internal project discussions it was agreed to use the following working definition.

The **process of education** which takes place **in shared responsibility** between actors from the **world of work and education institutions** in a learning/education partnership.

Overview Typology Apprenticeships
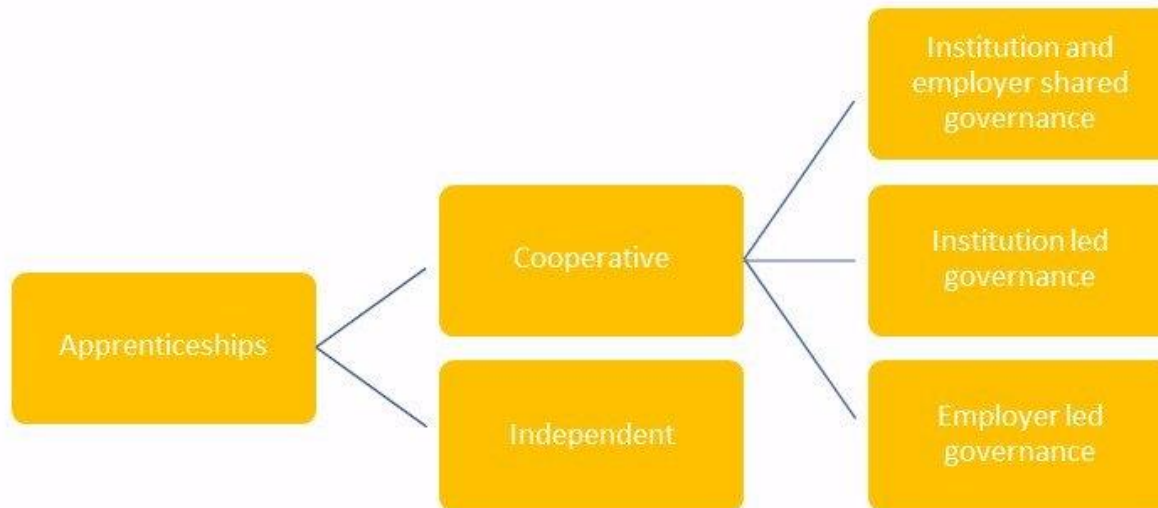
ApprenticeshipQ: Quality criteria

A REQUIREMENTS STANDARD TO MANAGE THE QUALITY OF APPRENTICESHIPS

Identified Quality Management **Success Factors**
from Research

Collected **Case Studies** on Apprenticeship Quality
Management

**+ SAPS – Supporting Apprenticeships between Professional
Higher Education & Small and Medium Enterprises**

Input-Quality Process-Quality Output-Quality

ApprenticeshipQ: Quality criteria

A REQUIREMENTS STANDARD TO MANAGE THE QUALITY OF APPRENTICESHIPS

We are evaluating if the following quality criteria are important.

Vocational orientation: talent attraction
Necessary capacity to host student (resource allocation)
Robust institutional and regulatory framework
Recruitment procedures
Formal agreement
Curriculum
Culture (team building, meeting)
Qualification of education personal (personal management)
Regular feedback sessions with student
Set robust quality assurance procedures

ApprenticeshipQ: Quality criteria

The list of quality criteria identified are quantified in an **online survey**:
to rank in order of importance, make improvements, reject criteria and/or propose new criteria (overall 250 responses).

Each of the partners will hold a **consultation workshop** with stakeholder groups:
QM professionals/auditors, tutor/mentor from SME´s, provider (manager, tutor), students/alumni

ApprenticeshipQ: management tools

A MANAGEMENT TOOLKIT

Documents such as manuals, procedures, checklists and other forms to support the implementation of an "apprenticeships quality management system".

A VALIDATION PILOT

To test and validate the developed set of documentation

APP -
REN -
TICE -
SHIP -
Q

Eskerrik Asko
Muchas gracias
Thank you