



WATter Skills Map and Performance

Indicators for Water Efficiency and Water-Energy Nexus in Building Construction and Retrofit



Poças, A., Newton, F.
Cardoso, P., Beirão, D.



Malamatenios, C.
Veziryianni, G.



Martino, R.
Carapella, G.



López, J.



Agência para a Energia

1 BACKGROUND AND NEW TRENDS IN WATER EFFICIENCY IN BUILDINGS

Water scarcity is a serious problem for many European regions, with ca. 45% of the territory expected to face scarcity problems by 2030 and damage caused by floods to increase fivefold by 2050. This is driving growing attention on water efficiency and management across Europe, including European Commission, Joint Research Centre and Industry efforts to promote water and energy standards for water-related products in buildings and to move towards an EU framework of core indicators for the environmental performance of buildings. These initiatives will foster market transformation and demand the adoption of water efficient appliances and fixtures, systems and labelled products in buildings, thus requiring new harmonized skills on water efficiency and water-energy nexus in buildings for professionals working in the construction and retrofit sectors.

WATter Skills (Water Efficiency and Water-Energy Nexus in Building Construction and Retrofit) is a European project (2017-2020) funded within the ERASMUS+ initiative, which aims to develop, implement and propose a common curricula, qualification framework and accreditation scheme at the European level, for training and skills upgrading of construction and green professionals on water efficiency and water energy nexus for building construction and retrofit.

THE WATter Skills PROJECT



2 WATter Skills MAP

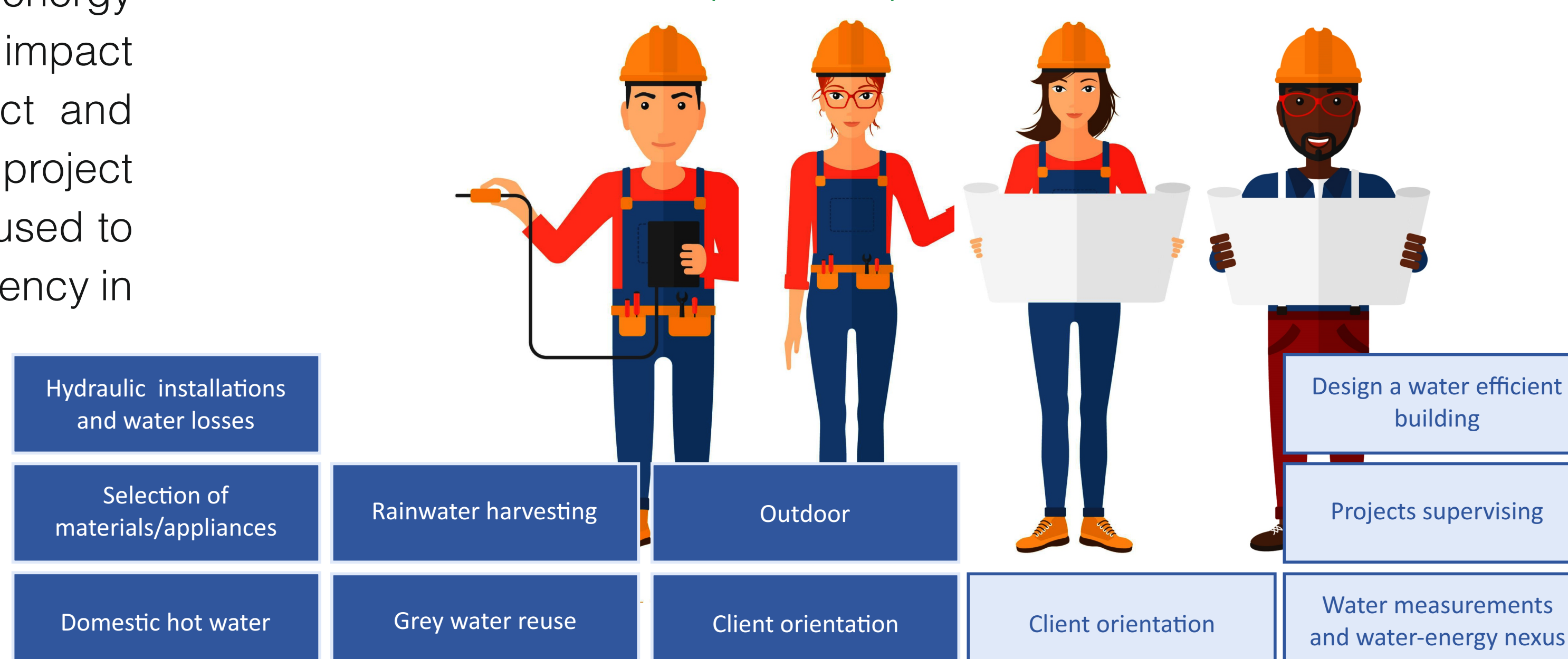
WATter Skills map aims to become a common reference for training and qualification of future technicians and experts on water efficiency for building construction and retrofit at a European level. The skills perimeter (i.e., scope) was the starting point for the definition of this qualification map, which is based on the European Qualification Framework (EQF), having its areas of competence described in terms of learning outcomes (knowledge, skills and responsibility-autonomy). Applying this methodology, aligned with the EQF levels, WATter Skills proposes new areas of competence for the water efficiency technician (EQF level 4) and for the water efficiency expert (EQF level 6) and the corresponding skills. The WATter Skills map will be submitted to a thorough discussion and improvement with stakeholders and the project advisory board, during 2018 and 2019, before the final proposal of WATter Skills qualification and accreditation framework.

3 WATter Skills PERFORMANCE INDICATORS

Key performance indicators may be used to compare water efficiency and energy efficiency practices and consumptions in buildings, as well as measuring the impact of implementing such a qualification framework. Throughout the project and onwards, monitoring of performance indicators together with assessment of project impact (e.g., involvement of stakeholders, participation of trainees) will be used to measure project effect and efficacy. Performance indicators over water efficiency in buildings may include: % of efficient product/equipment, % reused water.

WATER EFFICIENCY TECHNICIAN
7 areas of competence
21 skills
(EQF level 4)

WATER EFFICIENCY EXPERT
4 areas of competence
18 skills
(EQF level 6)



PROJECT OUTPUTS



4 WATter Skills EXPECTED OUTPUTS

Project main milestones and results include setting the perimeter of WATter skills together with the WATter Skills map, the qualification framework, training courses curricula, contents and e-learning platform, and accreditation system based on the European Qualifications Framework (EQF) and the European Credit system for Vocational Education and Training (ECVET).

PARTNERSHIP



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<http://watterskills.eu/>



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

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