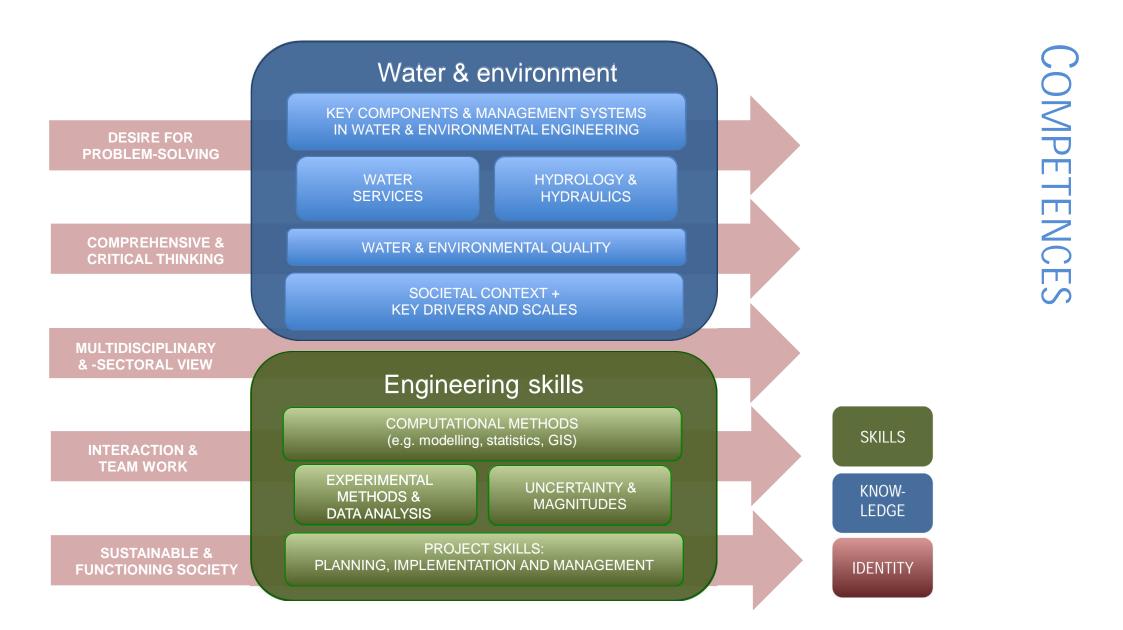# WAT Competences?

Competences and related Intended Learning Outcomes (ILOs) of Master's Programme in Water and Environmental Engineering at Aalto University, Finland

https://into.aalto.fi/display/enwat   2020
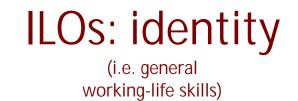
Our graduate is able to:

1) Recognise the key components and management systems in water and environmental engineering, and understand the relevance of sustainability for the field

2) Understand the principles of the hydrological cycle and movements of water in natural and built environments

3) Define and differentiate the main sections of water services and environmental services, with focus on the treatment of water and waste water

4) Understand the key principles of water and environmental quality

5) Identify the societal context relevant to the water and environment, and comprehend the different scales and key drivers applicable to water and environmental engineering

Our graduate is able to:

1) Apply key computational methods related to water and environmental engineering

2) Understand relevant experimental methods and data analysis processes, including the use of data archives

3) Comprehend uncertainty and different orders of magnitude related to the measurements, data analysis and modeling

4) Recognise and analyse the main components of water- and environment-related planning, implementation and management processes, and use related basic project skills

WAT Master's Programme: *https://into.aalto.fi/display/enwat*

ILOs: identity

Our graduate:

1) Is motivated and has a desire for problem-solving

2) Thinks in a comprehensive and critical manner about his/her work and field

3) Maintains a multidisciplinary and -sectoral view related to water and environmental engineering

4) Is able to work as a part of a team and has relevant skills for interaction and communication

5) Promotes a sustainable and functioning society

WAT Master's Programme: https://into.aalto.fi/display/enwat