Product factsheet

Climate Ready Certificates

Methodology or process



Description

Climate-readiness certification tool (CRC) is the online digital platform that calculates and emits the Climate-ready certificate (CRC). This certification merge in one certificate the water efficiency, the water-energy nexus performance and the climate adaptation evaluation of households, buildings and neighbourhoods. The evaluated projects can be in the design phase, new construction, or in-use.

The climate ready certificates will expand from an already existing initiative by ADENE, AQUA+®, adding the climate adaptation and a stand-alone analysis onto the water-energy nexus evaluation criteria for households, buildings, and neighbourhoods. The objectives of the tool are to, based on input parameters, provide an output with the qualitative result of water and energy efficiency from the water uses and the adequation of the water uses to the climate context, applied to households, buildings, and neighbourhoods. The certification tool will also be linked to the exploitation of financing mechanisms applied to water demand.

The tool will have three dimensions: water efficiency (1 conceptual module), water-energy nexus (1 conceptual module) and climate adaptation (1 conceptual module). These three modules have different conceptual approaches but will serve the same purpose, use the same technology, users and interoperability.

ADENE completed the development of the Climate Ready Certificates, and is currently preparing the writing pieces, with all technical specifications and use scenarios for launching the tender for the acquisition of services for the platform development of the Climate Ready Certificates tool. The tender will be launched in July, at the latest. This tool will address the BWS water scarcity challenge.

Training material for the climate-readiness certification tool is available at https://youtu.be/99PonXvWIeo

Target audience

Householders, urban developers, building industry and municipalities and Climate Ready Certificates auditors.

Actors, their roles and interactions

Anyone who visits the platform – can simulate the global performance of the project (household, building, or neighbourhood), regarding water efficiency, water-energy nexus performance and climate adaptation.

ADENE is currently working on the use case scenarios for the platform development tender documents. An example of a use case scenario, for an auditor: The Climate Ready Certification auditor is on a visit to certify a household. He uses his tablet to register the household characteristics requested by the climate-ready methodology. He walks through the methodology and assesses the criteria in the three areas of Water Efficiency, Water-Energy Nexus, Climate Adaptation. When he completes the assessment the certificate is generated informing about the Climate Readiness score.

Unique selling points

A single certificate to access the water efficiency, the water-energy nexus performance and the climate adaptation evaluation of households, buildings and neighbourhoods. The evaluated projects can be in the design phase, new construction, or in use.

This certificate informs the users about the performance of their buildings and can also be used as a decision support tool for project options related to water efficiency and climate adaptation. For promoters and owners of buildings this certificate can promote the quality of their buildings by a third-party auditor.

Technical requirements

The platform is web based.

Technology applied by the product

- **Resource for Circular Economy**

Costs

The simulation of the CRC performance assessment will be free and accessible to anyone who visit the CRC portal.
Last update: 2022-11-01

Case Study applying the product

Lisbon, Portugal



https://mp.watereurope.eu/d/CaseStudy/45

Related tags

climate change | water | water management | Circular Economy | water efficiency | water-energy nexus | climate adaptation