

Agência para a Energia

Focus on co/non-energy benefits ADENE's experience

João Paulo Calau

ADENE – Agência para a Energia

Circular Economy Classification



Opportunity and solution The ADENE experience

CERTAGRI

Circular Economy Classification Model







Application of the CPL to Rice







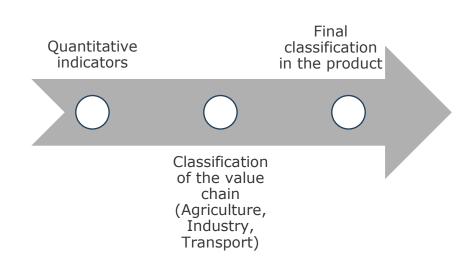




Contextualization CERTAGRI >> Circular Economy Label



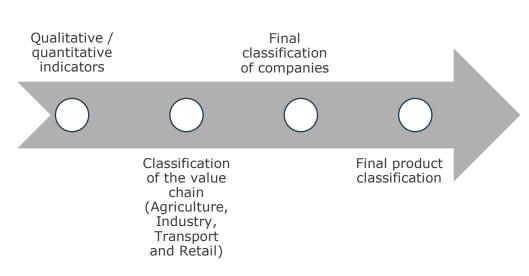






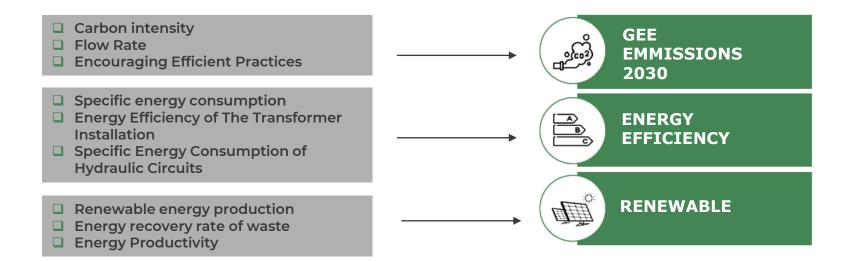
Contextualization CERTAGRI 2.0 >> Circular Economy Label







Some examples of indicators contribute to achieving the goals of the National Energy and Climate Plan (PNEC):



SOURCE: PNEC

(1) without LULUCF; compared to 2005; (2) Reduction in primary energy consumption without non-energy uses. By comparison with the projections of the PRIMES model of 2007



Opportunity and solution Circular Economy Classification

Why?

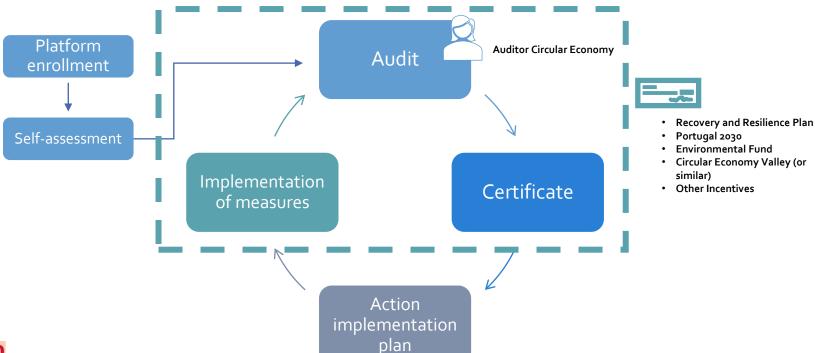
Incentive / engine for organizations to streamline actions within the circular economy and

Achieving practical and evolving results in terms of environmental preservation

Less exploitation of natural resources Less pollution

Tangibility, visibility and metrics!

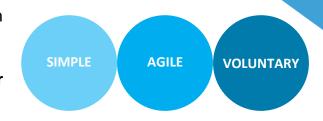
Circular Economy Classification Certification process

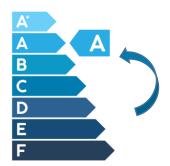






- ▶ Building assessment and classification system (F to A+) based on water use infrastructure, devices and equipment
- Values the most efficient solutions and identifies opportunities for improvement, guiding and promoting best practices





- Prompt assessment of buildings with any floor plans and life stages
- Replicable by trained and qualified technicians
- Values buildings, their transation, management and use





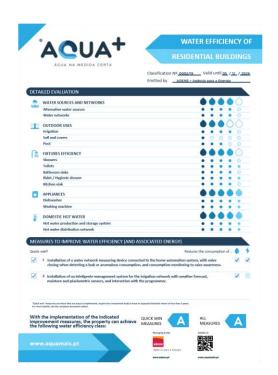






Rating water efficiency in buildings









Evolution Roadmap



AQUA+ launch

Methodologies developed by ADENE, with validation, calibration and optimization by entities from the Scientific and Technological National System







Water savings & impact

Residential buildings

Average saving potential, per household

58 thousand liters of water per year

AQUA+ for residential buildings has already contributed to save ...

4,6 million liter of water per year

12 tons of CO₂ per year



Average saving potential, per hotel

1,2 million liters of water per year

 AQUA+ for hospitality has already contributed to save*...

11 million liters of water per year

* For 10 hotels, considering only saving measures in accommodation units



