



European Energy Network

A voluntary network of European energy agencies

Water Energy Nexus EnR Working Group

14.11.2024



Background EnR

- Established in 1990
- Voluntary network of national energy agencies with 24 members
- Information exchange, benchmarking and best practice, knowledge transfer, collaborative projects
- EnR acts as a bridge between national, regional & local activities and those of the European Community
- Eight thematic Working Groups



European Energy Network

The voluntary network of European Energy Agencies - at the heart of the clean energy transition






EnR Working Groups



Behaviour Change




Buildings



Energy Efficiency



Industry & Enterprises



Water-Energy Nexus




Labelling & Ecodesign




Monitoring Tools



Renewable Energy



Transport



Water Energy Nexus WG





Water-Energy Nexus (WEN) WG | Main Goal

Contribute and advocate for the **Water-Energy Nexus** approach under current and future **European and national policies on water, energy & climate** action, fostering a stronger connection between these policies at **EU and Country levels**.



Water Energy Nexus WG

Working Group Chair



Agência para a Energia



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Water-Energy Nexus WG

Water-Energy Nexus

Bridging key (re)sources for Climate's New Era



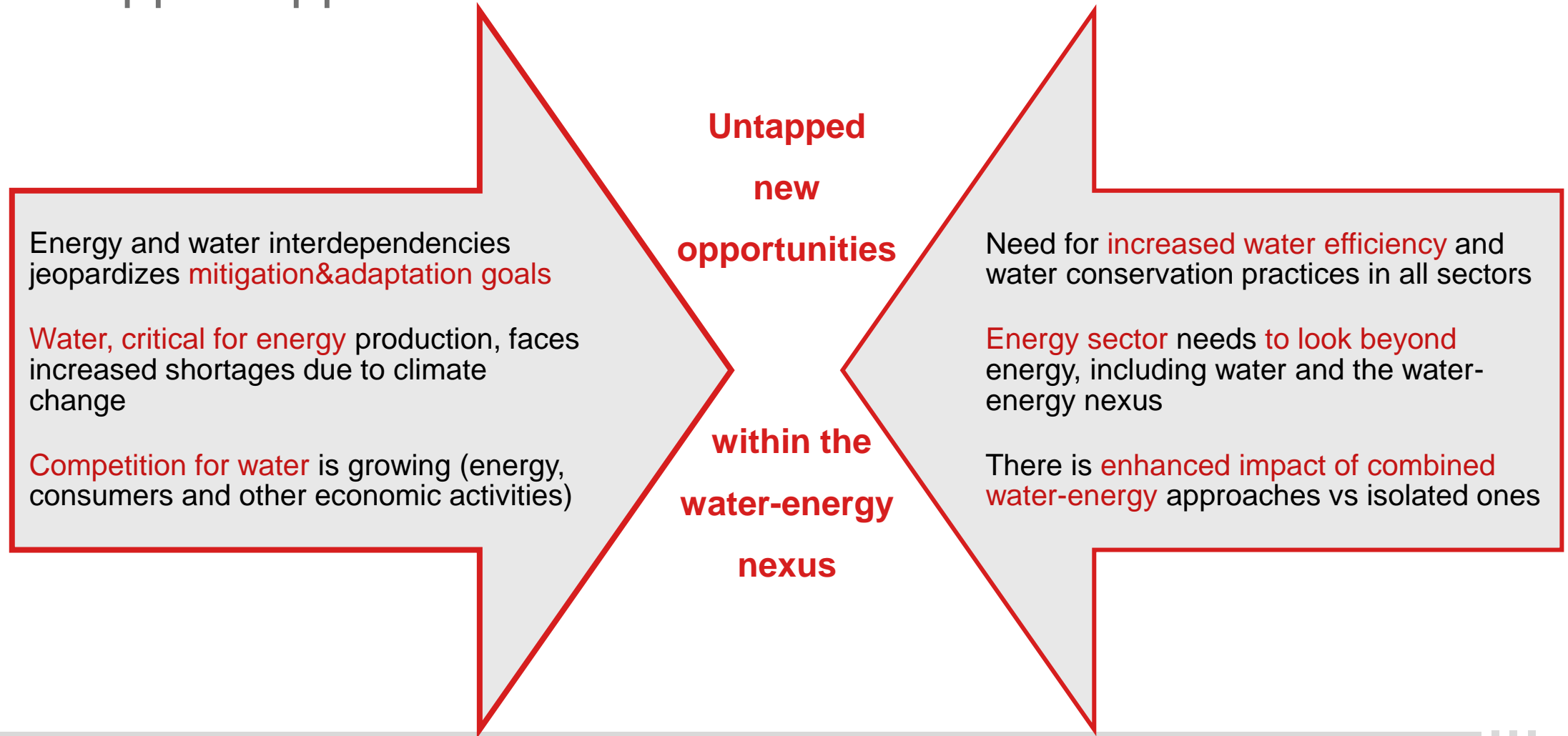


Water Energy Nexus

Untapped opportunities



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Water Energy Nexus

Key enablers



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FINANCING

- Systematic transformation to seize opportunities calls for **Smart market-based financing solutions**

PROFESSIONALS

- Reskilling and upskilling towards needed **Green Jobs & Green Skills**

CONSUMERS

- Awareness and **value of combined water and energy efficiency** (particularly in buildings)

Historic role of European Energy Agencies

Public policy, awareness, upskilling, deployment of new solutions



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Key enablers



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EUR 177 billion annually from 2021 onwards to reach 2030 climate and energy goals

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Key enablers



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2.5 million additional jobs in the EU due to EGD goals

PROFESSIONALS

- Reskilling and upskilling towards needed **Green Jobs & Green Skills**

Historic role of European Energy Agencies

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CONSUMERS

- Awareness and **value of combined water and energy efficiency** (particularly in buildings)

https://www.cedefop.europa.eu/files/4206_en.pdf



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Water-Energy Nexus (WEN) WG | **Scope**

I. WEN2Demand

Water and energy combined approaches | Water efficiency and combined water-energy efficiency; Water leakages and related energy ; Water and energy monitoring; Impacts of integrated approaches to climate adaptation and mitigation goals (*priority and first topic*)

II. WEN@Production

Water for Energy | water-energy nexus in renewable energy and in Renewable Energy Communities; green hydrogen from water reuse

Energy for water | water-energy nexus in alternative water sources (eg. water reuse, desalinization), exploring future Renewable Water Communities

III. WEN4Climate Action

Integrated approach | WEN quantified role and impacts towards climate adaptation and mitigation goals.

Water Energy Nexus WG activities





Studies and Publications | Overview

Studies and reports developed under WEN Task Force work (2022)



#GreenSkills&Jobs

Green Jobs

- Training gaps in existing and future workforce
- Propose guidelines for new job profile creation
- Strengthen climate transition within the European Skills Agenda
- Build from experience on water-energy nexus profiles



#SustainableFinance

Water-Energy Nexus Financing

- Innovative financing models based on successful energy efficiency models
- Foster solution adoption by facilitating compliance with EU Taxonomy



#WENLabelling

Taps&Showers Labelling

- survey on “European population’s perception of products and fixtures labelling schemes”
- Contribution for increased adoption of efficient water use products, fixtures, and appliances



Water-Energy Nexus (WEN) WG | **Activities**

- **Registration in the Water Action Agenda (UN 2023)**

- **Webinars 2024**
 - 5th March | **Water-Energy efficiency rating schemes**
 - 17th September | **The relevance of energy in addressing water scarcity and financing mechanisms**



Water-Energy Nexus (WEN) WG | Webinar

WATER-ENERGY EFFICIENCY RATING SCHEMES

- 14h00 Welcome
- 14h05 Agencies' News and funding opportunities
- 14h30 AQUA+, Water efficiency rating in buildings - Patrícia Dias, ADENE (PT)
- 14h50 The Climate-Ready Certificates Methodology - Pedro Cardoso, ADENE (PT)
- 15h10 Discussion (Q&A)
- 15h30 Conclusion of the session



WEN WG Team @ADENE

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Thank you for
your attention
