

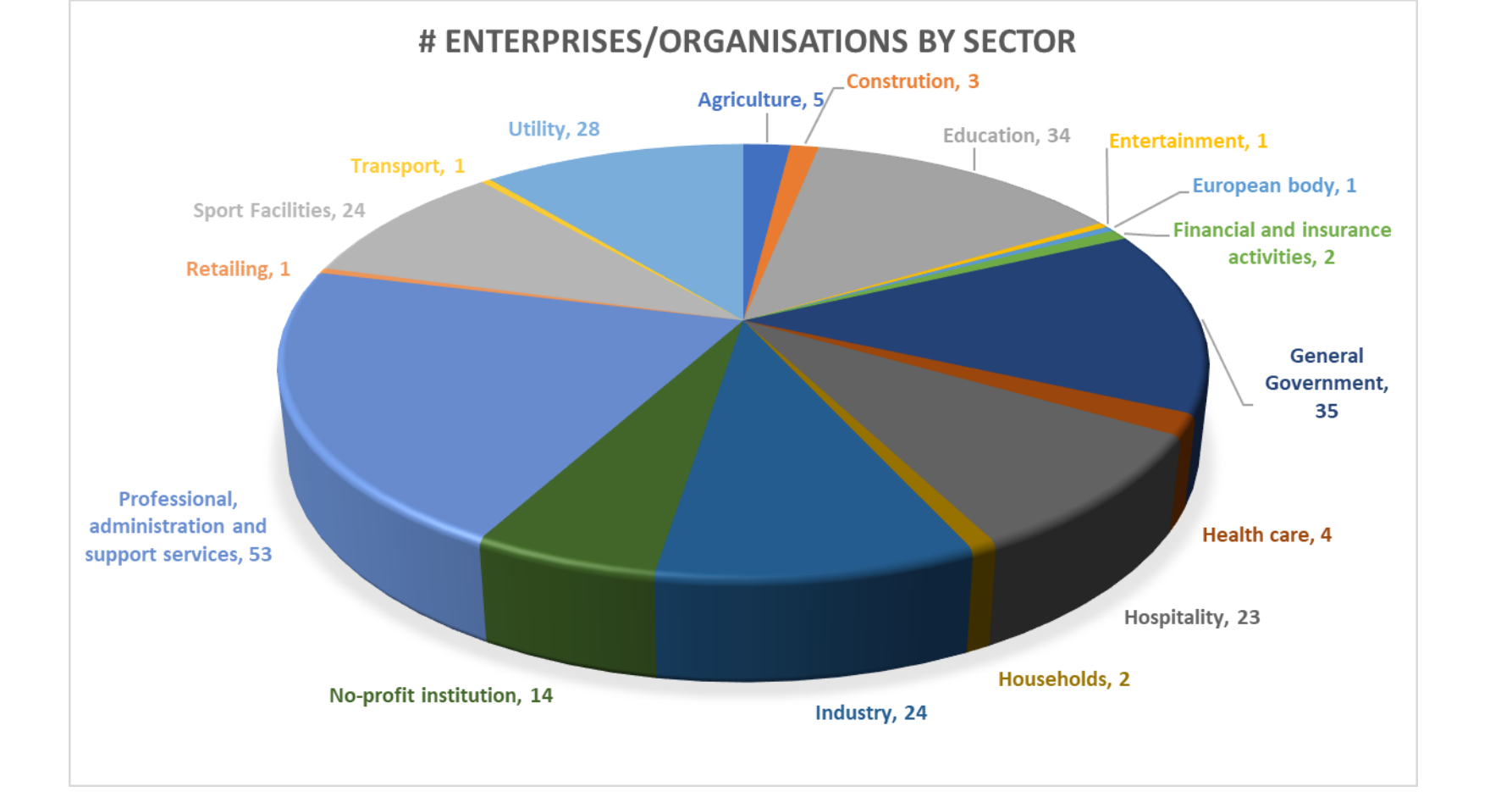
Work Package 8 – Smart Specialisation Cluster

COLLABORATION

OBJECTIVE

At the core of WP8 was the establishment of the **Dŵr Uisce Smart Specialisation Cluster (SSC)** to facilitate contribution to the project activities and uptake of the project findings by the water industry, to raise public awareness of the work being carried out in relation to the water-energy challenge.

More than 250 organisations are members of the Dŵr Uisce SSC, predominantly from the professional and support services (water/energy/engineering consultancies), followed by government authorities, education sector, utility companies, leisure centres and industries (mainly food & drink).



WATER-ENERGY NETWORK ACTIVITIES

A formal Water-Energy Network was established in the Dŵr Uisce SSC and facilitated a series of activities.

ACTION LEARNING, a methodology which enabled co-directing, co-developing and co-deploying of knowledge and technology, underpinned the activities.

ACTIVITIES

- 1 KICK-OFF EVENT
- 2 ANNUAL CONFERENCES
- 1 FINAL CONFERENCE
- 3 TRAINING WORKSHOPS
- 9 ONLINE WEBINARS
- 1 COMMUNITY EVENT
- 4 HACKATHONS FOR YOUNG PEOPLE
- 6 PRIMARY SCHOOL WORKSHOPS
- 1 CITIZEN SCIENCE PROJECT
- 3 DEMONSTRATION SITE LAUNCH EVENTS

DISSEMINATION: PEER REVIEW PUBLICATIONS, ONLINE AND MEDIA

OUTREACH

- 33 PEER-REVIEWED JOURNAL ARTICLES
- 51 INTERNATIONAL CONFERENCE PRESENTATIONS
- 37 PRESS RELEASES AND NEWS ARTICLES
- 1 RADIO INTERVIEW
- 6 VIDEOS

VIRTUAL 3D-TOURS

Demonstration sites have been proven to stimulate questioning, to increase learning retention and to accelerate uptake of technological solutions. As a legacy, each of the demonstration site can be explored through 3D virtual environments.

31K VISITS
19K UNIQUE VISITORS
17 ISSUES TO ~ 500 SUBSCRIBERS
816 FOLLOWERS
23 VIDEOS
96 FOLLOWERS

IMPACTS

SOCIAL, ENVIRONMENTAL AND ECONOMIC IMPACTS

- We have raised awareness about the climate action potential of saving water with more than 620 citizens and young people.
- We have co-designed and co-developed school resources in collaboration with non-academic partners.
- Nearly 550 people attended the activities organised by the Water-Energy Network, where opportunities for knowledge sharing and knowledge co-production were created.
- We worked with 122 organisations, SMEs and NGOs, providing non-financial support with technological solutions, recommendations and guidelines to improve the energy-efficiency of their water use. These can yield economic benefits, with energy savings, as well as environmental benefits with reduction in carbon emissions.

SUSTAINABLE DEVELOPMENT GOALS

CONCLUSIONS

- A formal Water-Energy Network was established in the Dŵr Uisce SSC and facilitated green process innovation.
- Our dissemination and education programme has added an impactful new dimension to the cluster and enabled the project to harness recent youth-led climate actions.
- As a result, the network has reached out and engaged with over 250 organisations; many more have participated in the project via our online portfolio of dissemination activities.
- We have presented our project outputs at international conferences, in peer-reviewed journals, on BBC News in the UK and The Irish Independent, in Ireland.
- We have reflected on the development and visualised the implementation of Dŵr Uisce as a transdisciplinary research initiative.