

Enabling Scientists with the Government of Jersey and Earthwatch

<p>Name of Earthwatch's key environmental focus Climate change and freshwater pollution</p>	<p>Lead contact details: Jane Burns j.burns@gov.je Sustainability & Climate Change Engagement Manager; Natural Environment; Infrastructure, Housing & Environment; Government of Jersey</p>	<p>Second lead contact details: Paul Aked p.aked@gov.je Head of Meteorology at Jersey Met; Natural Environment; Infrastructure, Housing & Environment; Government of Jersey</p>
<p>Project title</p>	<p>Developing an education and awareness campaign to increase water saving and prevent wasted water: Every Drop Counts The title of the campaign may change</p>	
<p>Background The World Meteorological Organisation Provisional State of the Global Climate 2022 report shows that the past eight years are on track to be the eighth warmest on record, fueled by ever-rising greenhouse gas concentrations and accumulated heat. Extreme heatwaves, drought and devastating flooding have affected millions and cost billions of pounds in 2022. The rate of sea level rise has doubled since 1993. The past two and a half years alone account for 10% of the overall rise in sea level since satellite measurements started nearly 30 years ago.</p> <p>2022 was a record-breaking year in Jersey:</p> <ul style="list-style-type: none"> • the hottest year on record • new record for hottest air temperature (37.9°C) • new record for the warmest night (25.2°C) • new record for number of days reaching 30°C or more (8 days) • 16% drier than average years <p>Studies and modelling conducted by the Hadley Centre for Climate Prediction and Research indicate that the mean annual temperatures are likely to rise by about 3°C by the 2080s, resulting in hotter summers (mean temperature increase of 3.8°C) and warmer winters (mean temperature increase of 2.4°C). Summer rainfall is predicted to decrease by 45%, whilst winter rainfall is predicted to increase by 24%. Therefore, we can expect to see periods of drought.</p> <p>The aim of this project is to: Create a public awareness and education campaign on the environmental impacts of water and preventing water wastage – TBC</p> <p>The main objectives of this project are to:</p> <ul style="list-style-type: none"> • Work with Jersey Met to understand climate patterns on water supply. • Work with Jersey Water to understand ways to save water. • Create a public awareness campaign. • Create educational resources for schools. 		

Project description

The Intern will work with Sustainability and Climate Change Engagement team. They will work with others including:

- Jersey Met
- Government of Jersey Communications Unit
- The Drought Group
- Jersey Water

The project intern will work with the Sustainability and Climate Change Engagement team and Jersey Met to understand the impact climate change is having on precipitation patterns and the effect on water supply. Using this understanding, the project will create a public awareness and education campaign on saving water and preventing water wastage. This campaign will help Islanders better understand the importance of saving water and measures they can take to reduce water wastage. The campaign will be developed with the Government of Jersey Communications Unit and the drought group.

Linking the changes in our climate patterns back to climate change will also encourage Islanders to change their lifestyles to reduce their carbon impact.

Key messages include:

- Informing people why drought matters – Jersey Water
- The greenhouse gas emissions associated with the desalination plant
- Wastewater contributes to 3.25% of emissions

Link to policy

The Carbon Neutral Roadmap outlines the proposed policies to start our journey to net zero. Policies come under four main categories:

- transport
- heating, cooking and cooling
- other on and off-Island emissions
- enabling policies

This project fits under the work included in other on and off-Island emissions. Policy OE1 – promoting low-carbon lifestyles sets out the Government of Jersey's commitment to develop and deliver an education and engagement programme to help Islanders to reduce their off-Island (scope 3) emissions.

This project also overlaps with [policy OE4 – Emissions from waste and water Management](#) (Page 128).

[Government of Jersey Common Strategic Priorities](#)

Common Strategic Policy 2023-2026. Environment is one of the seven interlinked priorities that will help us to focus and take decisions that have regard to Jersey as a place to live, a place of work, a place to grow old with dignity, and a place to take pride in and protect.

Environment: Protect and enhance our urban, rural and marine environment so that everyone can continue to enjoy its benefits, moving purposefully and fairly on a path to net zero emissions.

Additional Funding

This Earthwatch Internship project meets part of the requirements set out in the approved proposition. Any additional funding for this project will be made available from Government of Jersey.

Duration

Please specify how long this project will last and when the project is best run (i.e. specific months/year)

The project will commence Summer 2023 and will run for 8 weeks.

Specific experience or skills required

The project is an 8-week Earthwatch Internship and includes access to the Earthwatch online Community Science Camp.

Community Benefits/Customer(s)

Provide details of the likely beneficiaries of this project, and how they stand to benefit, including customers if appropriate.

Water saving may assist preventing drought measures from being implemented if we experience long dry spells.

Water saving will save the customer money.