

Hello St Albans!

Do you want to join us?

www.daiad.eu/join

DAIAD



@DAIAD_EU



www.daiad.eu

DEMOCRATIZING WATER CONSUMPTION MONITORING

SENSE × ANALYZE # KNOW ÷ ACT



DAIAD is research project funded by European Commission's 7th Framework Programme

Welcome to DAIAD!

Introduction

Waterwise is the leading authority on water efficiency and as part of our strategic work is to research and promote new water saving technologies. This includes working on European research projects, such as DAIAD.

We are proud to announce that in a few months residents of St Albans will be able to participate in a 12 month pilot of novel water monitoring technologies developed by DAIAD, an EU-funded research project.

DAIAD has created a new way for you to monitor and understand how much water you use, helping you make informed decisions and reduce your water use. A new smart water sensor for your shower, will enable you to understand how much water you use. You will have access to this information from your mobile phone, the web, even in your shower!

Waterwise has managed to secure that 100 residents of St Albans residents can participate in the pilot for free!

You have the opportunity to become one of the first water consumers **worldwide** to have access to DAIAD technologies, give us feedback and help us improve our work. In the following pages you can find more information about DAIAD, the pilot, and how you can join.

Who we are

The DAIAD team

DAIAD is a research project funded by the European Union tackling a significant challenge for sustainability and the well-being of our society. We want to improve the way we use and reuse water, and increase individual and collective awareness for water efficiency. Towards this, we develop novel water sensors, mobile applications, and intelligent systems to help consumers understand and improve their water use.

DAIAD is a collective effort bringing together researchers and innovators across Europe.



"Athena" Research Center
Athens, Greece

"We create algorithms that analyze your water consumption, extract knowledge, and provide you with intelligent recommendations"



University of Bamberg
Bamberg, Germany

"We devise new means to visualize your water consumption that inform and motivate you to save water"

amphiro

Amphiro AG
Zurich, Switzerland

"We develop a miniaturized sensor that monitors how much water and energy you use. It doesn't need a battery and works with your mobile phone"



Fraunhofer ISI
Karlsruhe, Germany

"We study the factors that influence your water use, like the weather, your age, or even water price. This knowledge helps us manage water more efficiently"

waterwise

Waterwise
London, UK

"We inform and mobilize consumers, the public sector, and companies on how to use water more efficiently. Everyone can save water, its very simple!"



Aguas de Alicante
Alicante, Spain

"We strive to make water safer and affordable for everyone, ensuring it is not wasted. We safeguard our water resources for this generation and the ones that follow"

What will I be testing?

The DAIAD system

All participants in the pilot will receive for **free** the complete DAIAD system, which they can keep using after the pilot has ended. The DAIAD system includes a **smart water sensor**, an application for your **mobile phone or tablet**, as well as a dedicated **web site**. All these components work together to **monitor** and **analyze** your water use, and provide you with **insights** on how you can **improve** your water consumption.

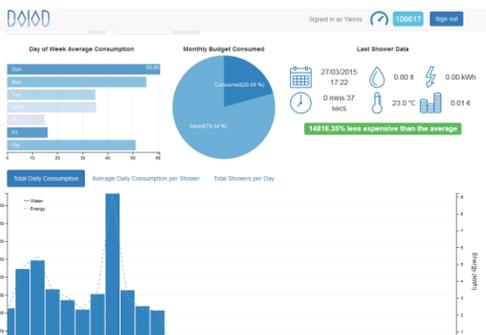
The DAIAD system is for all family members, regardless of age, or technical expertise.



The **DAIAD smart water sensor** measures how much water you use in the shower! You simply install in a handheld shower and take your showers as you would normally do. The moment you start your shower, it automatically turns on and monitors your water use. In its display you can see your water consumption, temperature and shower efficiency! And it doesn't end there. The device transmits your water consumption to your mobile device



The **DAIAD mobile application** receives your water consumption information from the smart water sensor. It logs and analyzes every shower you take, enabling you to explore your water behavior over time. The application also analyzes your water use and provides you with insights and recommendations on how to improve your water consumption. If you want, you can also see how much water you use compared to other members of your family, or your city



The **DAIAD web site** provides you with even more tools to explore and understand your water consumption. The data you see are transmitted from your mobile phone, so that you can have a complete overview of your water use from your computer. Just login, explore your consumption in detail, and even share your achievements with others! Have you reduced your water consumption by 20%? Why not share it through social media and motivate your friends to join you?

Are you eligible?

Requirements for participants

Participation in the pilot **is open to all residents of St Albans**, regardless of family size, location, age, or income! However, in order for DAIAD to operate, we need to ensure a minimum set of requirements are covered by all participants.

Handheld shower

You need to have a handheld shower in your house



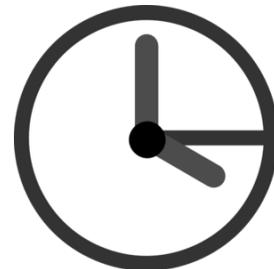
Mobile Device

You need a smartphone or a tablet



A few hours of your time!

We need to give us your feedback and impressions for the DAIAD system. Did you like it? Feel something is missing? Have an idea on how make it better? Your views are important as it is the only way for us to improve the system! Don't worry, its only going to be a few hours in 12 months.



Your consent

During the pilot we will be analyzing your water consumption data in an effort to extract knowledge and insights that will help you improve your water use. This means that we will ask you to give us information about you and your household.

Having your consent to collect and analyze this data is extremely important for us. Quite simply, if we don't have your consent, we will not be able to improve the DAIAD system



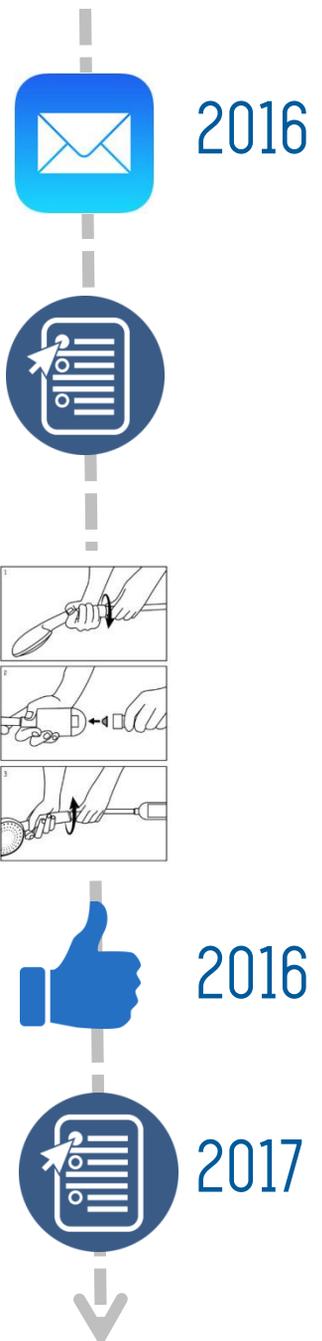
What will I be doing in the pilot?

Just use the system!

It's actually quite simple! After you install the smart water sensor and the mobile application, just carry on! We don't want you to try and change your behavior, or do anything similar. Take a shower, wash the dishes, drink water (it's good for you) and nothing out of the ordinary.

Now, this is just an overview of how your involvement in the pilot will be.

- We will notify you by **email** if you are selected to participate in the pilot (**hooray!**). You can expect this email in the first months of **2016**.
- You will be **invited** to complete a **survey** providing us information regarding you and your household. Remember about giving us your **consent**? Well this is it! We need you to be thorough, precise and candid.
- After a few weeks you will receive the **smart water sensor** in a nice box. It will look like just any other ordinary device you purchase from a store.
- You will follow the included instructions to **install** the sensor in your shower, download the **mobile** application and **test** that everything works. It shouldn't take longer than **10 minutes** of your time.
- **Congratulations, you are now a member of DAIAD!**
- After 12 months, we will invite you to complete a final **survey**, providing us with your **views** and **experiences** from the system.
- And this is end of the pilot! The DAIAD system is **yours** and you can **keep using it** for as long as you like.



I want to join the pilot

Thank you!

We are really happy you want to help us!

Please visit the following address and complete the survey to express your interest. It will only take 2 minutes.

We will email you in a few months to let you know if you will join the pilot

www.daiad.eu/join

¡Gracias!, Thank you, Ευχαριστώ, Vielen Dank!

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Frequent Questions

For more, reach us at contact@daiad.eu

Handheld shower

Why is the handheld shower necessary? The DAIAD sensor is simply connected to your handheld shower, so if you don't have one, you will not be able to fully use the system.

I have more than one handheld showers. That's fine! We will be giving you one sensor for each handheld shower in your residence.

The handheld shower is mostly used by my children. Again, no problem! DAIAD has been designed to be simple to use even for very young children

Mobile device

Why do I need a mobile device? The water sensor wirelessly transmits your water consumption to your mobile device. If you don't have a mobile device, you will not be able to see your past water use and gain access to insights.

Do I need to have Bluetooth turned on? Yes, please! There is no reason to worry about your battery; Bluetooth 4.0 (also known as Bluetooth Low Energy) is extremely energy efficient.

I don't know if my phone has Bluetooth 4! In this case you probably have an Android phone. Assuming you purchased it in the past 2 years, you probably do have Bluetooth 4.0.

Will I be using the data plan of my mobile device? As long as you have Wi-Fi in your residence there is no need to do so.

I only have a tablet. No problem! DAIAD can work fine with a tablet available.

I have a smartphone and a tablet. That's great! You can install the DAIAD mobile application in both devices and use whatever device you want.

Can I use more than mobile phones? Certainly! Actually every member of your household can install the application in his/her own mobile device

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Your feedback

What feedback do we expect from you during the 12 months of the pilot?

- Complete **at most 5 web surveys**, which shouldn't take more than **3 hours in total!** We will be notifying you by email, and we expect you to complete the survey within **2 weeks**.
- Send us feedback by **email** or through the DAIAD **applications** for any **issues, suggestions, or ideas** you may have. Whatever it is, we want it to hear it!
- Participate in **one informal discussion** panel with DAIAD researchers and other pilot participants. We would like to **meet** you and hear your **views** about our work.

Your consent

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Let us give you an example of what we mean. By analyzing your water use with weather data, we might discover that your consumption is influenced by precipitation. Perhaps we might discover an association with your family size as well! Who knows? It is what we call an open research topic.

From our side we guarantee that your information will be used only for the purpose of our own scientific research and will not be shared with anyone else.

Actually, you may have already provided similar information to an application, without knowing it! It could be a fitness tracker, a diet application, or something even less apparent. Not us! We are scientists and our code of ethics prohibits us from using your information without your consent.

If you have any objections to providing us your consent **please do not participate in the trial**. We thank you for your understanding.

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