

# MEET SAMIRA AZADI, HYDROLOGIST

Understanding the movement of water in rivers, lakes, dams, and seas, together with the effects of climate change on an increasingly changing environment requires a wealth of knowledge... and a Master's or other higher degree can help.



Meet Samira Azadi, one of our hydrologists with a Masters in Water Engineering from Iran's Shiraz University and a Master of Philosophy (MPhil) in Civil Engineering – Water and Environmental – from the University of Newcastle. As an experienced Water and Environmental Engineer, Samira plays a key role in supporting our National Hydrological Modelling Platform, eWater Source.

After completing her MPhil, Samira decided to make Australia her home and moved to Canberra to join eWater Group in 2021 and has been making her mark ever since.

“I wanted to live in Australia because I found Australians are very friendly and welcoming. It feels like a big diverse community. I love that we love our jobs, but it is part of what we do, not everything we do. There is so much more to explore.”

For Samira, working as an eWater Group Hydrologist, enables her to continue her passion for hydrology and eco-hydrologic modelling, and offering support and advice to our partners across each state and territory to deliver innovative solutions to support sustainable water for cities and communities across Australia and the world.

“I love my job. I am passionate about what I do. And if I want to describe eWater in only one word I would say eWater is a dynamic organisation.”

“I am able to learn new things every day, and share my knowledge and experience with my colleagues, including

fellow hydrologists and developers, but also support our partners to deliver water solutions for their communities.”

“My fellow hydrologists empower me and create opportunities for me to learn so I can be the best at my role. I love that my team is so supportive.”

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“I think eWater Source is an incredible tool. Being the national hydrological platform means that everyone is getting consistent data and information to make informed decisions about hydrology, catchments, and river systems.”

“From the moment that the first raindrop comes from the sky to where it lands and how it seeps through the soil, we can show our partners this critical information through dynamic data. This helps them make the right decisions regarding

how our water resources are used and where.”

Source helps water experts with all climates and environments and is adaptable and readily updated to include new policy, data, knowledge, and management approaches. It offers the flexibility and ability to link to new and existing models and other information systems; and has been built in partnership with governments, industry, and research organisations.

For Samira the critical issue facing water sustainability and hydrology is data, and ensuring we continue to have the right data with real-time information for our partners and clients. By continuing to invest in Source, we can deliver the best information available to make the right decisions to enhance our ability to manage water sustainability, scarcity, and resilience.

*Who are we?*

*eWater Group is owned by the Australian Federal, State and Territory governments to further develop Australia’s world-class modelling tools and to provide support and training*

*nationwide and internationally.*

*Our organisation is comprised of three divisions – eWater Solutions, the Australian Water Partnership and the Mekong Water Solutions to deliver water management solutions for communities in Australia and overseas.*

*We also partner with the Australian Department of Foreign Affairs and Trade, and research groups and institutions to provide expertise and support for sustainable water management solutions in Australia and internationally, now and into the future.*