

Using the Arizona Water Chatbot



What is the Arizona Water Chatbot?

The Arizona Water Chatbot (informally, AZ Waterbot) is an AI-powered chatbot that delivers information about water management, water conservation and drought to Arizona residents.

This capacity-building tool helps the Arizona Governor's Office and other public agencies deliver water information from local, state, tribal, regional and national sources to residents.

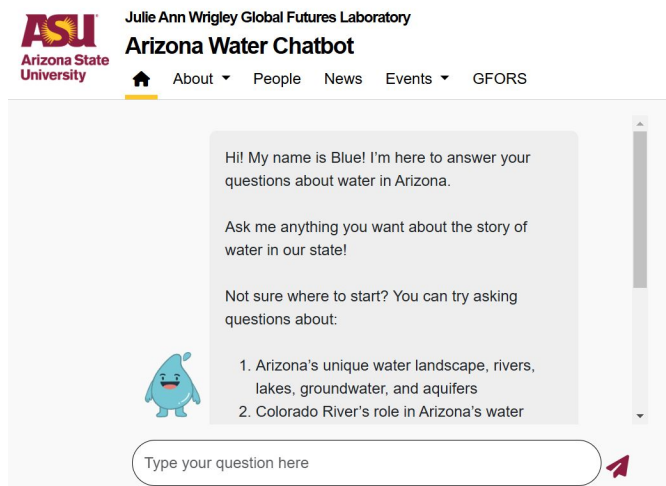
How do I use the Arizona Water Chatbot?

1. Visit azwaterbot.org
2. Enter your question in the prompt box.
3. Get an answer.

How was the Arizona Water Chatbot developed?

Developed by ASU researchers and supported by the Arizona Water Innovation Initiative (AWII) Impact Water - Arizona program, the chatbot provides curated information in response to user-generated questions about Arizona water.

To meet the informational needs of Arizona public, we included residents in all parts of the development and testing process. This extensive process resulted in a tool that effectively and intuitively delivers relevant answers to questions that Arizona community members may have about water.



What information does the Arizona Water Chatbot use?

Waterbot provides context-sensitive information that incorporates a range of perspectives, including those of Indigenous communities. The bot uses a process called retrieval augmented generation to synthesize answers drawn from trusted local, regional, tribal, state and national sources that we have entered into the system. These public sources include the text of every federal water adjudication with Arizona's Indigenous peoples, reports from the Tribes on water issues, water resources information from every city and town in Arizona with an available city plan and materials from Arizona Department of Water Resources and other state sources. These diverse sources allow the Arizona Water Chatbot to deliver a balanced, multidimensional representation of water knowledge.

Who can I contact about the Arizona Water Chatbot?

Please contact Dr. Claire Lauer (Claire.Lauer@asu.edu) for questions regarding organizational use, technical aspects of the project or chatbot answer quality.