The OpenIDEO Atlanta and Wish for WASH (W4W) Design Challenge, known as the Design Jam, was a success on the part of OpenIDEO, W4W, and the 20 participants that attended. This inaugural collaboration was held on March 10th, 2019 at the DesignBloc at Georgia Tech and was sponsored by Autodesk Fusion 360.

OpenIDEO is a collaborative organization that focuses on innovative thinking and human-centered design. OpenIDEO’s work spans all types of challenges, and for the Design Jam, we focused on ideation and prototyping concepts for water conservation and efficiency in a typical American restroom. W4W (led by Jasmine Burton) worked in collaboration with the OpenIDEO Atlanta team (led by Eric Kim) to integrate the aspects of the human-centered design and rapid prototyping methodology in sanitation and water sector. from Jasmine and Eric to set the tone and theme, “How might we reduce water consumption in our bathrooms?” This is a specific problem related to Indicator 6.4.1 (water use efficiency) of the United Nation’s Sustainable Development Goals. Icebreakers and brainstorming techniques followed; associating random objects shown on the projector to create an innovative prototype. The groups were challenged to not only get to know one another, but to also initiate design thinking and a ‘yes, and’ ideating mentality.

Groups were then asked to ideate on the major problem they would like to work with in regards to water conservation in the American restroom for the duration of the workshop. Some groups narrowed their focus to a specific everyday issue experienced by the general public while others took a more broad approach and identified problems that related to communities or countries as a whole.
Through a series of interactive brainstorming in bursts of about 5-10 minutes, the groups were able to come up with solutions to their problems and eventually present them to all the attendees. The Design Jam produced innovative and pilot-able water conservation solutions, as well as met the broader goals developed by the OpenIDEO Atlanta & W4W leadership teams.

The 7 teams produced the following solutions:

- **An app** to allow community tracking of water usage over time and point collection by household. Communities collaborate to amass points (water saved), which translates to charitable donations.

- **A toothbrush** that dispenses exact amounts of water directly on to the head of the brush to reduce water usage in daily preparation.

- **A smart faucet** that diverts cold water from a bathroom sink to the shower or back to hot water tank while the water is heating, and diverts used sink/shower water to a toilet reservoir.

- **A smart timer and ring** attached to faucets that monitors water flow. Wall mounted timer displays water usage to the users. Detailed information would be found in a matching app linked to the timer.

- **A shower head** that would be filled before being turned on, allowing consumers to select how much water they need for their shower, and use accordingly.

- **A toothbrush** that dispenses exact amounts of water directly on to the head of the brush to reduce water usage in daily preparation.

- **A shower curtain** (De-Stress curtain) that insulates the heat from a hot shower so that when the user is done cleaning, they can turn the faucet off and the curtain keeps the heat inside thus creating an ‘in-home’ sauna experience.

**SUMMARY**
This Design Jam raised awareness of the needs and possibilities for water conservation that could fit into the lifestyle of the average American. Participants learned the basics of fast-paced design thinking and how to brainstorm and then select ideas effectively.

W4W used this workshop to further establish its presence in both the Georgia Tech and the Atlanta community as young though leaders and innovators in the WASH sector. We are excited to see how we can further test these ideas and continue these Atlanta-based educational collaborations with our future WASH work because #everybodypoops.