



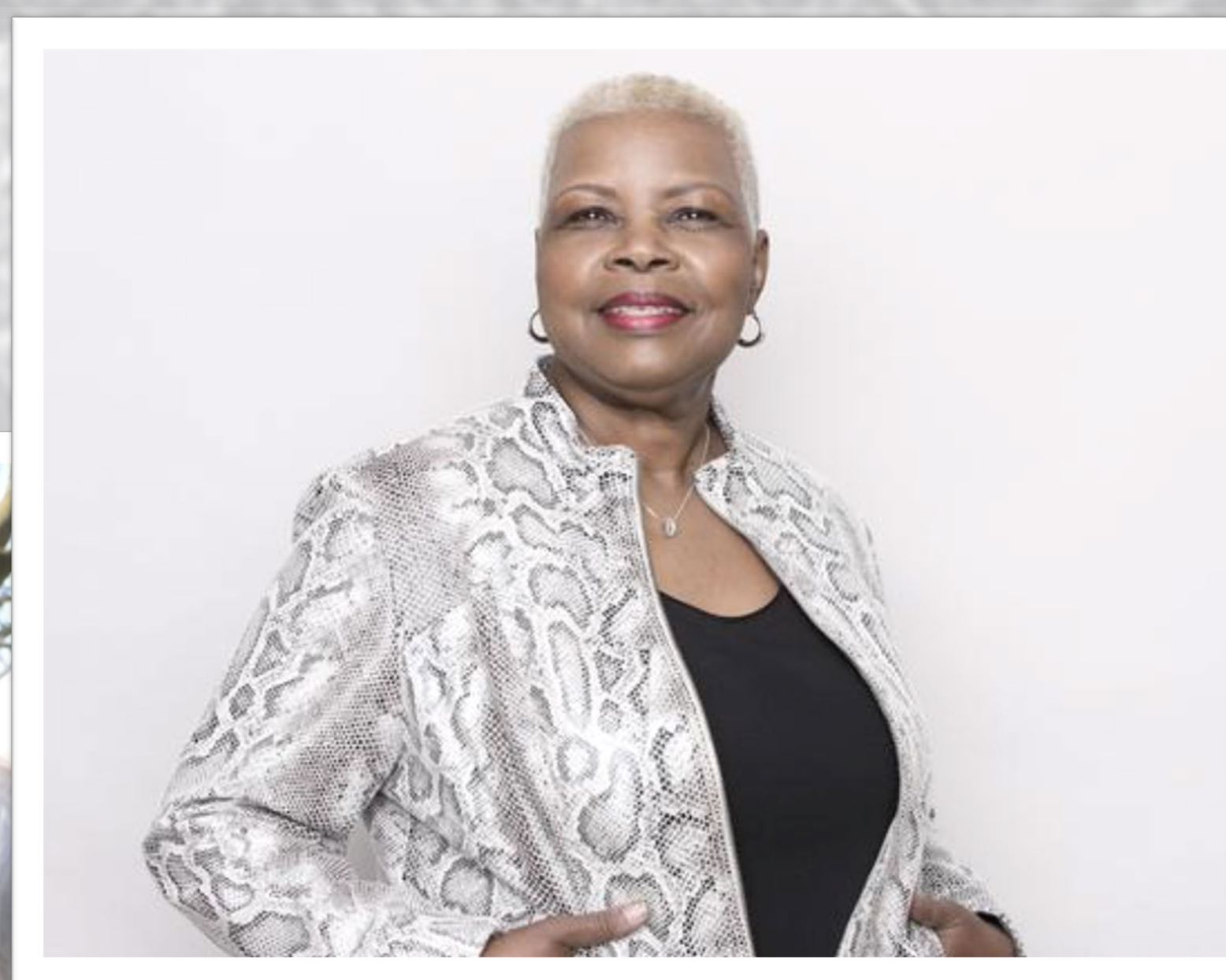
WaterMarks: An art/science framework for community-engaged learning around water and water management in an urban area

Programming includes

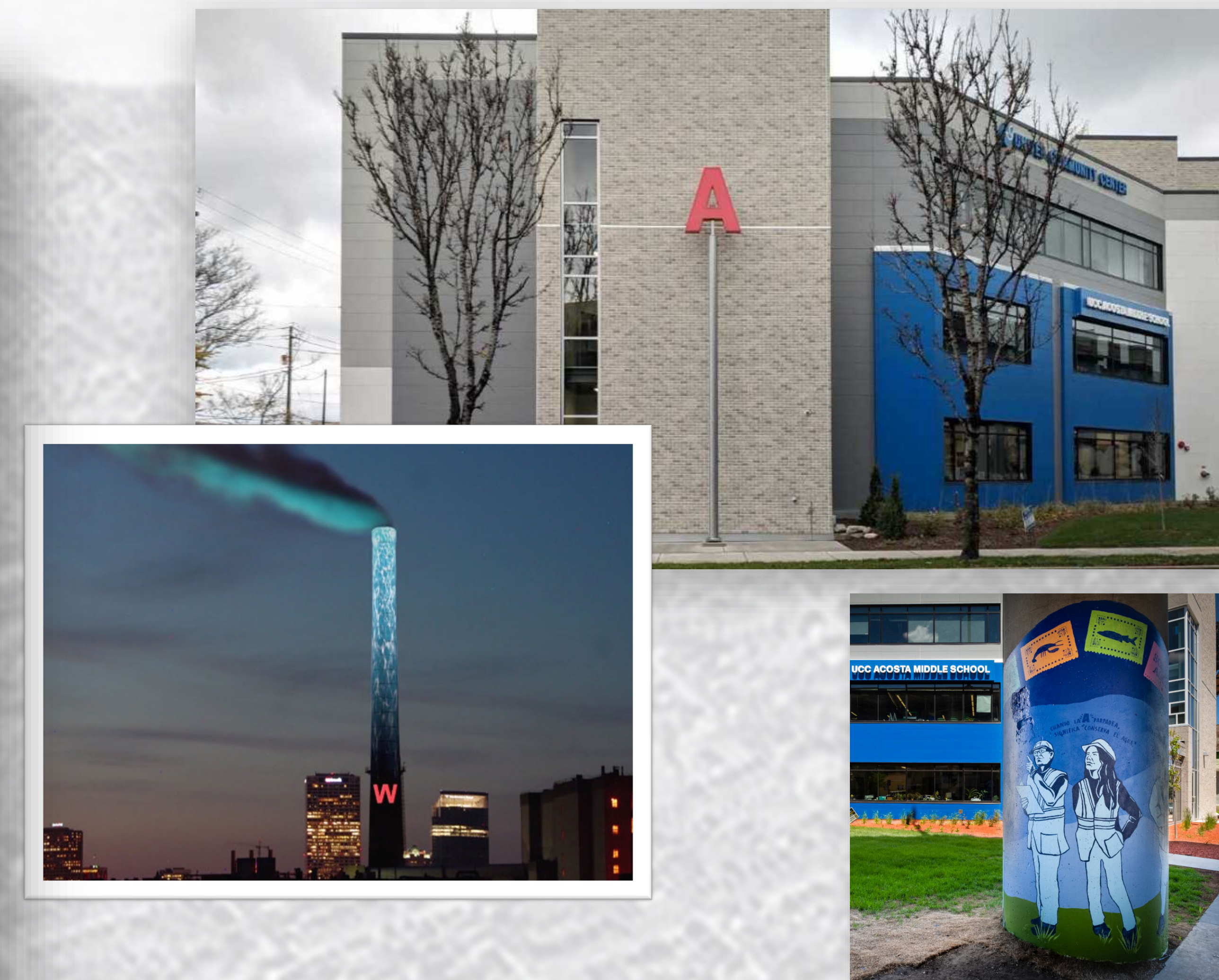
- Neighborhood **Walks** led by teams of scientists/engineers and artists
- Community **Workshops, Local Artist Projects, and Youth Mentorship** focused on neighborhood and citywide water issues
- **Intergenerational** participation, from seniors and adult learners to young adults, teens, and middle schoolers

WATERMARKS: an Atlas of Water and the City of Milwaukee - What is it?

- A city-scale project combining public art and science, conceived by artist and Co-PI, Mary Miss
- Focus on climate change and other pressing problems facing the city's water resources and infrastructure



Yvonne McCaskill, Century City Tri-Angle Neighborhood Association



The Jones Island Stack will anchor 30 solar-powered **Markers**, fanning from the stack and consisting of illuminated **letters** of the alphabet chosen by neighborhood participants and mounted on 25' high aluminum poles. To encourage water conservation, Markers will pulse and change color when storms are predicted.

What will we learn through the expansion of WaterMarks programming?

- A collaborative **Community-University Working Group** will develop an **Adaptable Guide** usable in Milwaukee and other cities to establish, expand, improve, and sustain WaterMarks-inspired programming over time.
- **Evaluation:**
 - How effective are processes and outcomes of WaterMarks programming?
 - How do outcomes vary across sites?
 - How do Markers and art projects affect how residents experience their neighborhoods?
- **Research:**
 - How does active participation in visual arts activities affect experiences of learning?
 - How do these experiences vary across sites and topics?

What are objectives and plans for our programming?

- Advance informal science learning, stewardship, and civic participation among residents
- Expand into a diverse range of neighborhoods to engage new science learners through collaboration among visual artists, scientists and engineers, academic institutions, local government and non-government organizations, and community groups

NSF AWARD #2115637

PI – Ryan Holifield (UWM)
co-PIs: Woonsup Choi (UWM), Donnelley Hayde (COSI)
Mary Miss (CALL)

Other Senior Personnel:
CALL: Adrián Cerezo, Olivia Georgia
COSI: Rebecca Kemper, Justin Meyer
UWM: Laurie Marks, Jessica Meuninck-Ganger
UW-Sea Grant: Deidre Peroff

