



# Urban Water Innovation Network

## Annual Meeting Agenda

July 30 - August 1, 2019

Colorado State University - Durrell Center  
Fort Collins, Colorado

**Purpose:** The [4<sup>th</sup> Annual UWIN All-hands Meeting](#) at Colorado State University will center around the [research integration activities](#) prioritized by the Network last year. The meeting will facilitate team interaction and maximize time together by promoting project collaboration and interdisciplinary communication. Integrative Breakout Sessions will provide time for task forces to synergize efforts, discuss data availability and gaps, as well as plan appropriate next steps for the final products. A Transdisciplinary Research Panel Discussion will provide an opportunity to gather feedback on the integration and synthesis products from practitioners and stakeholder advisory members as well as explore meaningful avenues for UWIN research to benefit communities and help cities make informed decisions.

<b>Location</b>	<a href="#">Colorado State University - DURRELL CENTER</a> (First Floor): <a href="#">950 Plum St. Fort Collins, CO 80521</a> <a href="#">Campus Map</a>
<b>Lodging</b>	Hilton Fort Collins <a href="#">425 West Prospect Road Fort Collins, Colorado 80526</a> Tel: +1-970-482-2626  Campus Housing Check-in: <a href="#">Ram's Horn Front Desk</a> Hall Assignment: <a href="#">Academic Village - Honors Hall</a> <a href="#">810 W. Pitkin St. Fort Collins, Colorado 80521</a>
<b>Shuttle</b>	Groome Transportation (Formerly Green Ride) <a href="https://groometransportation.com/denver-airport/">https://groometransportation.com/denver-airport/</a> (970) 226-5533 <i>*You are responsible for making your own shuttle arrangements*</i>

## Tuesday July 30, 2019

7:30 - 8:30 am	Hot Breakfast at Durrell Dining Center (2 <sup>nd</sup> Floor)
8:30 - 9:00 am	Welcome & UWIN Year-4 Summary (Plenary - 1 <sup>st</sup> Floor) Mazdak Arabi
9:00 - 9:30 am	URP/Education Update (Plenary) Alan Berkowitz & Aude Lochet
9:00 - 9:45 am	Student Breakout Session (Lounge) - Shirley Vincent & Kate Thompson Opportunity for UWIN students to share suggestions, concerns, and think about how to improve the program for next year and sustain the network post-funding.
9:30 - 9:45 am	BREAK
9:45 - 12:30 pm	<b>UWIN Integration &amp; Synthesis Products</b> Mazdak Arabi - summarize and review priorities for integration efforts, discuss agenda for integration breakout sessions (10 mins) Task force leads each have 30 mins to present update and Q&A (150 mins) <ul style="list-style-type: none"><li>- Test Beds (Arabi)</li><li>- Indicators (Henry)</li><li>- Web-tool (Sharvelle)</li><li>- Synthesis Paper (Mack, Georgescu)</li><li>- Communications &amp; Student Success (Millonig)</li></ul>
12:30 - 1:30 pm	LUNCH
1:30 - 2:30 pm	<b>Transdisciplinary Research Panel Discussion</b> Opportunity to discuss and gather feedback on the integration and synthesis products from practitioners and stakeholder advisory members
2:30 - 2:45 pm	BREAK
2:45 - 4:00 pm	<b>Synthesis &amp; Integration Breakout Sessions</b> Working sessions for each integration activity.
4:00 - 5:00 pm	<b>THRUST A - Poster Session</b> Interactive session to facilitate in-depth discussion on specific projects, activities and integration. Each project is expected to present a minimum of one scientific research poster. Students are highly encouraged to participate.
6:30 - 9:00 pm	URP Mentor & Student Dinner <a href="#">Bawarchi Biryani - Indian Cuisine: 1611 S. College Ave #100, Ft Collins CO 80525</a>

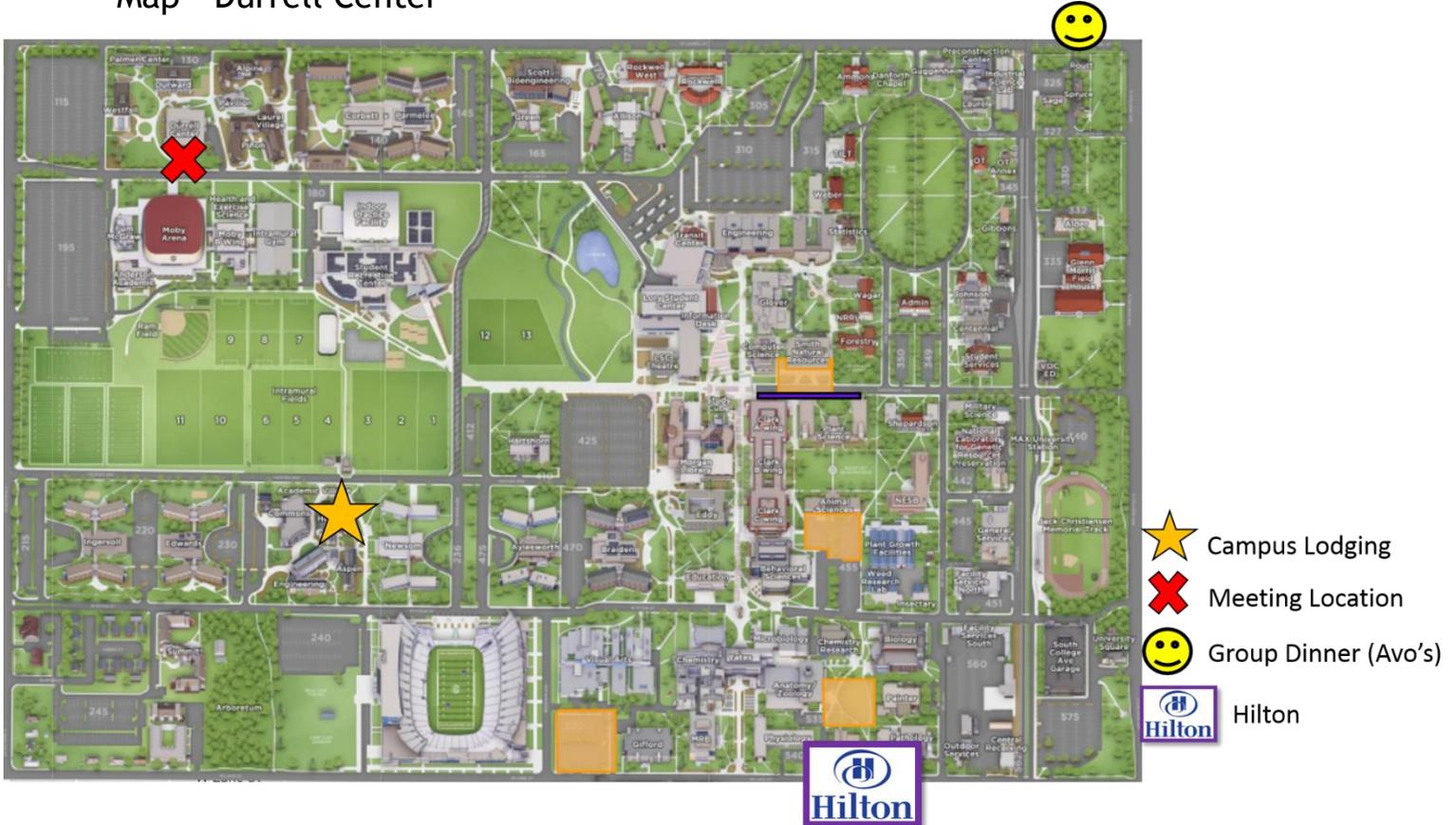
## Wednesday July 31, 2019

7:30 - 8:30 am	Networking & Hot Breakfast at Durrell Dining Center (2 <sup>nd</sup> Floor)
8:30 - 10:15 am	<b>Synthesis &amp; Integration Breakout Sessions</b> Working sessions for each integration activity.
10:15 - 10:30 am	<b>BREAK</b>
10:30 - 11:30 am	<b>THRUST B - Poster Session</b> Interactive session to facilitate in-depth discussion on specific projects, activities and integration. Each project is expected to present a minimum of one scientific research poster. Students are highly encouraged to participate.
11:30 - 12:00 pm	<b>URP Case Study Presentation</b>
12:00 - 1:00 pm	<b>LUNCH</b> Citizen Science Affinity Group Meeting
1:00 - 2:15 pm	<b>Synthesis &amp; Integration Breakout Sessions</b> Working sessions for each integration activity.
2:15 - 2:30 pm	<b>BREAK</b>
2:45 - 3:45 pm	<b>THRUST C &amp; D - Poster Session</b> Interactive session to facilitate in-depth discussion on specific projects, activities and integration. Each project is expected to present a minimum of one scientific research poster. Students are highly encouraged to participate.
3:45 - 5:00 pm	<b>Synthesis &amp; Integration Breakout Sessions</b> Working sessions for each integration activity.
	<b>URP Debrief and Survey (Room 1)</b>
5:30 - 6:30 pm	<b>URP Mentor Meeting - Avogadro's Number:</b> <a href="#">605 S Mason St, Fort Collins</a>
6:30 - 9:30 pm	<b>Group Dinner - Avogadro's Number:</b> <a href="#">605 S Mason St, Fort Collins</a>

# Thursday August 1, 2019

8:00 - 9:00 am	Task Force Debrief Meetings & Hot Breakfast at Durrell Dining Center (2 <sup>nd</sup> Floor)
9:00 - 10:15 am	Integration & Synthesis Reporting (Plenary) Task force leads will report out the developments and next steps identified during the working group sessions
	External Advisory Committee Meeting (Room 2) Complete site visit report Select Committee Chair to report EAC findings to UWIN
10:15 - 10:30 am	BREAK
10:30 - 11:30 am	External Advisory Committee Report
11:30 - 12:30 pm	Moving Forward - Next Steps for the UWIN SRN Mazdak Arabi, Gary Pivo, Bill Cooper
12:30 pm	Adjourn (Lunch available at Dining Center)

Map - Durrell Center



# Integrative Breakout Sessions

*All four interactive working group sessions will be run in parallel and participants will need to prioritize which session they plan to attend. To the extent possible, sending personnel to represent your project to each of the four activities is strongly encouraged.*

## Integrated Web-Tool

**Room:** A (plenary)

**Lead:** Sybil Sharvelle

**Purpose:** Working session to advance Integrated Water Web Tool development and application in GES community

**Goals:** Identify UWIN models and develop scenarios to include in the IWWT:

- Objective 1: Determine appropriate UWIN PI developed models to include in Integrated Water Web Tool
- Objective 2: List inputs and outputs of each model
- Assess how those link with indicators to be displayed in decision dashboard
- Objective 3: Determine scenarios of water management strategies and future conditions (population, land use, climate) to assess for GES case study

## Urban Sustainability Indicators

**Room:** B (plenary)

**Leads:** Adam Douglas Henry, Lena Berger, Gary Pivo

**Purpose:** Develop a framework that enhances communication between researchers and policy makers and apply it to research done by UWIN.

**Goals:** Get feedback on a preliminary framework and conduct semi-structured interviews/group discussions with UWIN researchers on their projects to test and refine the framework.

- Objective 1: Obtain feedback on a preliminary framework
- Objective 2: Map UWIN research using the framework
- Objective 3: Delineate policy implications of UWIN research

## Synthesis Paper

**Room:** 2

**Leads:** Elizabeth Mack, Matt Georgescu

**Purpose:** Outline paper that characterizes and describes baseline conditions of urban water systems in select U-WIN study regions.

**Goals:** Decide on study regions, characteristics of water regions to be characterized, and author responsibilities.

- Objective 1: Decide on characteristics for which baseline conditions will be described
- Objective 2: Decide on study regions
- Objective 3: Assign author responsibilities

## Testbed Study: Alternative Water Resources

**Room:** 3

**Leads:** Mazdak Arabi, Cibi Chinnasamy

**Purpose:** The goal of the study is to evaluate the effects of fit-for-purpose use of alternative water resources from wastewater, stormwater, and graywater on water demand and wastewater production.

**Goals:** Specifically, the study investigates how adoption of these strategies influences water and wastewater infrastructure reliability and resiliency at municipal scales. The objectives of the study are to investigate: (1) Effects of water demand and drinking water infrastructure reliability; (2) Wastewater collection infrastructure reliability; and (3) Effects on rates for services and subsequent effects on affordability

- Objective 1: Set goals and objectives using specific questions that this study will address
- Objective 2: Select the cities/ regions in order to address the goals and objectives of this testbed study
- Objective 3: Identify the criteria, metrics and indicators in order to quantify the state of resiliency of an urban water system
- Objective 4: Set milestones and timeline for this testbed study