

# BRINGING SCIENCE IN ACTION

Supporting climate-resilient governance, planning and design of cities through science and community knowledge

The UCCRN\_edu is an Erasmus+ Cooperation Partnership, launched by world-leading Higher Education Institutions which include members of the Urban Climate Change Research Network (UCCRN), an international consortium dedicated to foster multidisciplinary knowledge-based cross-sectoral action on climate change mitigation and adaptation from an urban perspective. The Partnership, together with the Associated Partners including leading international research and education institutions and networks, aims to develop an educational alliance to train the next generation of urban climate professionals to navigate the complexity of the interconnected knowledge domains linked to urban climate action in research, urban design and policymaking.

According to this ambition, UCCRN\_edu in collaboration with eThekweni Municipality, UCCRN African Hub and GroundTruth are launching a Urban Design Climate Workshop (UDCW) co-creation session to be held in Durban January 23 2023. In this workshop UCCRN\_edu will dialogue with the initiatives and results of the Transformative River Management Programme (TRMP) supported by Cities and Climate In Africa (CICLIA), aimed at rethinking riverine areas in the city as a core component of transformative adaptation that will help to mitigate the impacts of climate change.

The event aims to address flooding, water quality, heat and solid waste experienced within eThekweni and provides cost-efficient and practical approaches to addressing these key issues. CICLIA TRMP project was undertaken in four catchments within eThekweni, namely: Ohlanga, uMhlangane, Palmiet, and uMhlatuzana. The close out workshop for the CICLIA TRMP Support Project, which will provide a summary on what was done during the project, highlights the key findings, and looks forward to what can and should be done to address climate change challenges experienced within eThekweni.

The Urban Design Climate Workshop (UDCW) session will be facilitated by Urban Climate Change Network's (UCCRN) experts and will provide guidance on how urban settlements can be prepared for the impacts of climate change through planning and design solutions integrating low-carbon and climate resilient concepts for new developments, urban retrofitting and landscape management to reduce heat impacts and flood risk while delivering social, economic and environmental co-benefits to local stakeholders and communities. A collaborative session will be carried out to pinpoint steps, actions, policies and stakeholder to engaged to reach desirable scenarios. Recommendations from the UCCRN isiPingo Urban Design Climate Workshop (2019) will be revisited to illustrate how a climate-resilient approach to urban design can support the ongoing CICLIA TRMP Project.



19-20 January 2023

**Session #1: Field Visit**

Site Visits to **Tshelimnyama** (uMhlatuzana catchment), **Bridge City Extension** (uMhlangane catchment), and **Isipingo**  
Preliminary meetings with local stakeholders

23 January 2023

Durban Botanical Garden

h. 9:00-13:00

**Session #2: Climate Challenges and local response****CICLIA Transformative River Management Programme (TRMP) close out workshop****WELCOME**

Sean O'Donoghue, Jo Douwes, Geoff Tooley

**TRMP BACKGROUND**

Geoff Tooley, Jo Douwes, Sean O'Donoghue

**PRESENTATION ON THE CICLIA TRMP SUPPORT PROJECT – GROUNDTRUTH TEAM**  
**Project process and key findings**

Mark Graham

Tea / coffee break with viewing of posters

**Feedback on the process, incites, and learning from the stakeholder engagement**  
Simlindile Mahlaba and Mark Graham**Closing remarks**

Jo Douwes, Sean O'Donoghue, Geoff Tooley

Lunch provided

h. 13:30-17:00

**Session #3: Action - Urban Design Climate Workshop**

**Addressing heat and flooding in urban centres and community challenges through landscape management and efficient, climate-informed design**

**UCCRN approach and goals of UCDW (Urban Design Climate Workshops)**

Sean O'Donoghue, Jeffrey Raven, Mattia Leone

**Focus 1: SYNERGIES BETWEEN COMMUNITY AND CLIMATE PRIORITIES**

Cristina Visconti

**Focus 2: BRIDGING SCIENCE TO ACTION: proposals for climate-resilient intervention in Tshelimnyama and Bridge City Extension**

Jeffrey Raven, Giovanni Nocerino

**Break out Session**

Jeffrey Raven, Cristina Visconti, Giovanni Nocerino

**WORKSHOP CLOSURE**

Jeffrey Raven

