

Interactive Workshop

“Mitigation of Climate Change Impact on North Delta & Alexandria Cultural Heritage into a Global Environmental Context”

Day 1: January 13, 2024 (19:00 – 22:00 JST) (12:00 – 15:00 CLT)
 Day 2: , January 14, 2024 (19:00 – 23:00 JST) (12:00 – 16:00 CLT)



Organizers:

- ARC and DMUCH-Ritsumeikan University
- International Geodesign Collaboration (IGC)
- EECE-Egypt-Japan University of Science and Technology (E-JUST)

Supporters/Partners:

- DMUCH and ARC at Ritsumeikan University.
- Environmental Systems Research Institute (ESRI), Inc.
- International Geodesign Collaboration (IGC).
- The Liechtenstein Institute for Strategic Development GmbH.
- EECE-Egypt-Japan University of Science and Technology (E-JUST)
- The Japan Society for the Promotion of Science (JSPS)

Stakeholders:

- Alexandria Governorate
- The Ministry of Tourism and Antiquities (MoTA)
- The Syndicate of Engineers-Alexandria
- Raquda Foundation for Art and Heritage

Coordinators:

- Dr. Mohamed Soliman, Ritsumeikan University.
- Prof Keiji Yano, Ritsumeikan University.
- Prof. Carl Steinitz, Harvard University.

Introduction:

The studies and researches that addressed the issue of climate change and its impacts found that all the goals regarding these changes are interconnected. For instance, the acceleration of Goal 7 on affordable and clean energy is crucial for climate solutions, which can further support Goal 8 by promoting a just transition to renewable energy and Goal 9 by developing resilient infrastructure. activities, including energy consumption, land use changes, industrial and agricultural production, transportation, and urban development, contribute to greenhouse gas emissions, the primary drivers of climate change. The consequences of climate change are far-reaching, encompassing rising global temperatures, water and food scarcity, biodiversity loss, health risks, extreme weather events, sea level rise (SLR), poverty, and displacement. To mitigate these effects, solutions must focus on reducing atmospheric greenhouse gas (GHG) concentrations.

Implementing policies and investment strategies to decrease emissions and enhance carbon sequestration rates should consider the diverse geographic, cultural, and political contexts. Protecting and enhancing ecosystems, as well as other carbon sinks, play a crucial role in achieving ongoing global carbon-negative performance, where the removal of carbon from the atmosphere surpasses emissions occurs on a daily, yearly, and decadal basis.

Objectives:

1. Building two sustainable scenarios compatible with 2030 and 2050 SDGs strategies.
2. Identifying actionable measures for enhancing **Global climate challenge** for urban mobility, improving environmental Ecosystems, and managing cultural heritage climate resilience.
3. Community engagement, and establishing a network of stakeholders who can contribute effectively to the formulation and implementation of a mitigation plan for the climate change of Alexandria and North Delta. This collaborative approach ensures diverse perspectives and expertise are included in the planning process.
4. Capacity building, to enhance the skills of interdisciplinary researchers and emerging leaders in utilizing the Geodesign methodology for addressing the Global Climate challenge (GC), as all the participants will receive a comprehensive scientific and technological support, including access to Esri and Geodesign hub software, through a series of webinars and tutorials, that enables them to apply the conceptual framework and practical tools of Geodesign effectively.

Agenda

Day 1: Sat. Jan 13, 2024

Time: (19:00 – 22:00 JST) (12:00 – 15:00 CLT)

Time	Item	By
Moderator: Dr. Mohamed Soliman		
19:00- 19:20	Opening Session	Prof. Keiji Yano Deputy Director of the Art Research Centre (ARC), Ritsumeikan University
		Prof. Mona Gamal Eldin Ibrahim Dean of School of (EECE), Egypt-Japan University of Science and Technology (E-JUST)
		Dr. Naoko Fukami Director of the Japan Society for Promotion of Sciences (JSPS)-Cairo Office
		Dr. Soha Bahgat Advisor to the Minister of Tourism and Antiquities for Learning and Development
		Prof. Hesham Seoudy The Head of the Syndicate of Engineers-Alexandria
19:20- 19:45	“Unmaking national climate action plans by Geodesign”	Prof. Carl Steinitz Emeritus professor of landscape architecture and planning, Harvard University
19:45- 20:00	“The Climate Change Impact on North Delta & Alexandria Cultural Heritage: Linkage to a Global Environmental Context, 2050”	Dr. Mohamed Soliman Visiting Researcher DMUCH and ARC-Ritsumeikan University
20:00- 20:10	Set up into system teams and link into Geodesign Hub	
20:10- 20:15	Break	
20:15- 20:30	Tutorial on drawing tools in Geodesign Hub	Dr. Mohamed Soliman
20:30- 21:15	Participants: adding diagrams of systems policies and projects to Geodesign Hub	DEV: Prof. Hesham Seoudy GOV: Dr. Souha Bahgat
21:15- 21:20	Break	
21:20- 22:00	Participants: continue adding diagrams and save design Version 1	ENV: Prof. Mona Gamal Eldin COM: Dr. Naoko Fukami

Day 2: Sun. Jan. 14, 2024

Time: (19:00 – 23:00 JST) (12:00 – 16:00 CLT)

Time	Item
19:00-19:30	Presentations by teams of designs Version 1
19:30-20:10	Informal negotiation and make design version 2
20:10-20:15	Break
20:15-20:45	Presentations by teams of designs version 2
20:45-21:15	Informal negotiation and make design version 3
21:15-21:20	Break
21:20-21:50	Sociogram and organizing formal negotiation
21:50-22:15	Negotiation #1
22:15-22:20	Break
22:20-22:45	Negotiation #2 to final design
22:45-23:00	Discussion towards SDGs and implementation (to be continued after the workshop)

Note:

DEV: Developer

GOV: Government

ENV: Environmentalist

COM: Community