

## Interactive Workshop “Sustainable Geodesign of Downtown Alexandria: Egypt Vision 2030”

Venue: Library Theatre, Fayza Abulnaga Central Library, E-JUST, Burg al-Arab, Alexandria

Day 1: Tuesday, 29th Nov., 2022 (09:00 – 16:00 EET Cairo)

Day 2: Wednesday, 30th Nov., 2022 (09:00 – 16:00 EET Cairo)



### Organizers and partners:

- International Joint Digital Archiving Center for Japanese Art and Culture (ARC-iJAC), Art Research Center & DMUCH-Ritsumeikan University
- EECE-Egypt-Japan University of Science and Technology (E-JUST)
- Japan Society for Promotion of Sciences (JSPS)-Cairo Office

### Coordinators:

- Prof. Keiji Yano
- Prof. Mona Gamal
- Dr. Mohamed Soliman
- Prof. Carl Steinitz
- Dr. Hrishikesh Ballal
- Ms. Tess Canfield

Supported by: GEODESIGNHUB

## Background:

The **2030 Agenda for Sustainable Development** states the importance of culture. UNESCO has been advocating for **culture as an enabler for and contributor to sustainable development**, its crosscutting role in Sustainable Development Goals (SDGs), and the integration of culture in SDG strategy and plans at all levels.

The Government of Egypt is committed to achieving the SDGs by capitalizing on its wealth of cultural heritage and people's creativity. Egypt's National Sustainable Development Strategy (NSDS) **"Egypt Vision 2030", under the 8<sup>th</sup> Pillar on Culture**, underlines the importance of respecting cultural diversity, preserving the heritage, and promoting creativity, thereby contributing to the national economy and achieving sustainable development.

The institutional and commercial activities are intensively occupying Alexandria downtown, which hinders the efforts of the Alexandria Municipality in the sustainable urban management. The diagnosis concludes with the problem of urban mobility represented in the heavy traffic jam and random transportation as a result of commercial activities ranging from commercial agencies to street vendors. In addition, the centralization of government institutions increases pressure in the area where Alexandria's cultural heritage is concentrated. The historic core of Alexandria suffers from the current adaptive use which are inadequate. Environmentally, this also raises the pollution rates due to urban mobility and the concentration of daily human activities in the area as the industries existing in Alexandria represent nearly 40% of the national industries and 65% of Petrochemical industries.

More efforts should be made to improve this situation by integrating the distinctive authenticity of Alexandria in the sustainable development plan of the city of Alexandria within the framework of the National Sustainable Development Strategy (SNSDS) "Vision 2030", focusing on:

- i) **Upgrading the urban mobility.**
- ii) **Improving the environmental protection.**
- iii) **Managing the cultural heritage property.**
- iv) **Building business model for implementation.**

## Objectives:

The objectives of this interactive workshop are:

1. To share the findings of researches to identify actions for i) upgrading the urban mobility, ii) improving the environmental protection, and iii) managing the cultural heritage property.
2. To develop a network of community and stakeholders to contribute to the development of a **Sustainability Plan** for developing Alexandria Downtown.
3. Building capacity of interdisciplinary researchers and young leaders to adopt Geodesign methodology in sustainability plans.

## Agenda

**Day 1: Tues. 29<sup>th</sup> Nov. 2022**

**Time: (09:00 – 16:00)**

Time	Item	By
09:00-09:20	<b>Registration</b>	
09:20-09:45	Opening Session	<b>Prof. Mona Gamal Eldin Ibrahim</b> Dean of School of (EECE), Egypt-Japan University of Science and Technology (E-JUST)
		<b>Prof. Keiji Yano</b> Deputy Director of the Art Research Center (ARC), Ritsumeikan University
		<b>Dr. Naoko Fukami</b> Director of Japan Society for Promotion of Sciences (JSPS)-Cairo Office
		<b>Prof. Mohamed Zahran</b> Chairman of the National Authority for Remote Sensing and Space Sciences (NARSS)
		<b>Prof. Amr Adly</b> President of Egypt-Japan University of Science and Technology (E-JUST)
9:45-10:45	Session 1: “Why Geodesign and Why Negotiation as a Design Method?”	<b>Prof. Carl Steinitz</b> Emeritus professor of landscape architecture and planning, Harvard University
10:45-11:15	Session 2: “Sustainable Geodesign for Downtown Alexandria to Achieve the SDGs, Egypt vision 2030”	<b>Dr. Mohamed Soliman</b> Visiting researcher-Ritsumeikan University JSPS Alumni
11:15-11:45	Set up into system teams and link into Geodesign Hub	<b>Dr. Hrishikesh Ballal</b> Managing Director of Geodesign Hub
11:45-13:00	LUNCH	
13:00-13:30	Tutorial on drawing tools in Geodesign Hub	<b>Prof. Carl Steinitz</b> Emeritus professor of landscape architecture and planning, Harvard University
13:30-14:45	Adding diagrams of systems policies and projects to Geodesign hub	
14:45-15:00	Move into new teams for change-synthesis	
15:00-16:00	Participants save design Version 1	

**Day 2: Wed. 30<sup>th</sup> Nov. 2022**

**Time: (09:00 – 16:00)**

Time	Item
09:00-09:30	Presentations by teams of designs Version 1
09:30-10:45	Informal negotiation and make design version 2
10:45-11:15	Presentations by teams of designs version 2
11:15-12:15	Informal negotiation and make design version 3
12:15-13:15	LUNCH
13:15-13:45	Sociogram and organizing formal negotiation
13:45-14:45	Negotiation #1
14:45-15:45	Negotiation #2 to final design
15:45-16:00	Discussion towards SDGs and implementation (to be continued after the workshop)