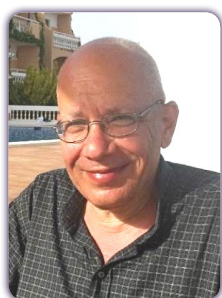


8th International Conference on
ENVIRONMENT AND CLIMATE CHANGE
November 22-23, 2018 Bucharest, Romania



Farid El-Daoushy

Uppsala University, Sweden

Scaling up science, technology and innovation to meet the needs for regional and global sustainable developments

Purpose of the workshop is to initiate contacts and to build up networking for scaling up science, technology and innovation to promote and implement effective infrastructures for sustainable developments on regional-global scales. Special considerations will be given to the existing socio-economic-environment conditions in various regions in the world. Relevant issues will be detailed and discussed.

Rationales: sustainability of life and prosperity of humans would never ever be possible unless climate-energy-water-natural and human resources are coherently intact. Sustainable and welfare societies are being achieved by citizens, from individual-to-collective levels, embedded in infra-structures that empower them with multi-layered capabilities for best social, environment and economic performance.

The main strategic aspects to achieve the necessary scaling up are:

1. Sustainability depends not only on the performance of people (social) in terms of profit from work (economy) but also on their responsible performance towards the environment (planet). Shifts are needed from current “growth economies” to future “secular economies”.
2. Scaling-up science, technology and innovation to meet effective socio-economic-environment developments on local and regional scales requires coupling science, technology and innovation to society, market & population needs through coherent infrastructures. Reforming higher education and shaping proper career-development-plans are crucial in this context. Universities and research institutes and supporting funding bodies are instrumental to achieve these goals.

Supplementary solutions- scaling-up science, technology and innovation to meet effective socio-economic-environment developments would require:

- (1) long-term strategies for sustainable “environment-climate” economies.
- (2) long-term strategies for sustainable “environment-climate” food security.
- (3) long-term strategies for sustainable “social-psychological” communication.
- (4) long-term strategies for sustainable “WENHR” education-awareness policies.

The long-term strategic solutions in (1-4) will involve coherent management policies.

Biography

Farid El-Daoushy became Professor in Environmental Physics at Uppsala University in 2004 with focus on promoting R&D for assessing the spatio-temporal impacts of human activities in aquatic eco-systems. His research involved the use of various scientific and technical approaches to follow the global cycles of pollution on the earth through using surface water bodies and their aquatic deposits as space-time indicators of water quality and the associated impacts in eco-systems.

Farid.El-Daoushy@physics.uu.se