CLIMATEXCHANGE ON-LINE EDUCATION

Certificate Course on the
'USE OF 3D CITY MODELS IN E-GOVERNMENT FOR SUSTAINABLE URBAN GOVERNANCE'

Overview

The use of 3D city modelling is becoming increasingly important in applications for urban governance including urban design and assessment, urban planning and navigation, infrastructure design and development, community awareness, defense and homeland security and emergency response.

This course focuses on the use of 3D city models in e-government for sustainable urban governance. The aim is to highlight practical considerations on the sue of 3D city models combining research, experiences and case studies of 3D city models' usage and applications in complex policy scenarios linked to urban governance. The lectures are relevant to professionals and academics involved in urban governance and project management, real estate, environment, tax compliance, infrastructure planning, rural/urban interactions, energy efficiency in buildings, 3D collaborative environments and planning support systems, city marketing for public relations and tourism, etc.

The main questions explored are: what are the managerial, technical and legal challenges to implement and use 3D city models and technologies? What problems, needs and opportunities the creations of these systems entail in the public sector? And finally what can be learned from relevant experiences of implementation of 3D city models in e-government for sustainable urban governance?

The course develops a global perspective focusing on conceptual contributions highlighting new applications bringing together state-of-the-art perspectives from research and practice. All course materials are peer reviewed to the highest standards and updated from the the first European workshop in this domain, which took place at the Delft University of Technology in The Netherlands. Successful applicants for the course will be invited to identify future research directions, possibly leading to joint research projects with the course tutors and contributors.

Structure

7 lectures + 4 hours of on-line interactive sessions.

Study Materials

How you study in this course

Attendance is not a requirement of this programme, this is an on-line certificate course. You will study from the lectures' guidebook, reader and during the on-line interactive sessions.

Time commitment

We estimate that you will need to spend no more than 15-18 hours in total studying to complete the course as a whole (excluding assessment).

How we support you

We provide a range of support, including:

- Online study materials (including a lectures' guidebook and a reader).
- Ongoing online support via email. You will be assigned an online tutor who you will communicate with, and receive feedback from (maximum 4 hours in total).

Fees

Application fee	£ 15
Registration fee	£ 25
Examination fee	£ 50
Course tuition (including study materials)	£ 150
Total	**£ 240**

Assessment

The examination takes place with a written assessment (a business and/or project plan in an area relevant for the learning objectives of the certificate course) and an oral exam. These are both managed on-line with all candidates that are not based in London and arranged between the student and the tutor.

Requirements

In order to satisfy the entrance requirements for the course you must:

- be aged 18 or above
- satisfy English language proficiency requirements for the course