

# Ioanna Kolovou

BArch MArch MRes

## Senior consultant



**Ioanna Kolovou** is a Senior Consultant at Space Syntax. She holds a background in architecture and urban design and she has gained further research experience in spatial analysis with her Master of Research in Interdisciplinary Urban Design at the Bartlett in 2014.

While she has been involved in various projects in the UK and worldwide that include masterplan development, pedestrian forecast model, buildings and public realm design assessment, her interest focuses on analysing large-scale urban systems to address socio-spatial inequalities in cities. She is currently involved in [Tombolo](#), a project that will develop a set of tools for policy makers, planners, urban analysts and designers to interconnect urban models. Her research on that project involves the exploration of urban models and the design of processes and tools to support the creation and the integration of urban models.

She is also member of the [Open Digital Works](#) group of Space Syntax, that was set to support the shift from proprietary GIS software to open source GIS software. In the ODW organisation Ioanna has worked on creating open source QGIS plug-ins for network generation, simplification and analysis using Python programming language.

In addition to python, her current expertise also includes spatial database system management to support the creation of Integrated Urban Models with the use of data mining APIs, data analysis, spatial analysis and data integration. She has been exploring the creation of integrated models of cities in ways that can indicate how spatial conditions can affect the performance of cities, areas and neighbourhoods in relation to social, economic and health factors. Her work mainly includes the analysis of street networks in combination with transport networks, the analysis of land use patterns, concentrations and

diversity and the integration of behavioural data to explore relationships between spatial characteristics of places and socio-economic aspects.

### Education, Awards & Appointments

- 2015 Honorary Research Fellow, University College London
- 2014 MRes Inter-disciplinary in Urban design  
Bartlett School of Architecture  
University College London
- 2013 BArch and MArch in Architecture  
Technical University,  
Athens, Greece
- 2010 Brandenburgische Technische Universität Cottbus, Erasmus Programme