

SCIENTIFIC CAMPUSES AND CLUSTERS IN 21ST CENTURY METROPOLITAN AREAS



PROJECT

For all metropolitan areas seeking to attract and retain innovative and creative R&D activities based on interdisciplinary exchanges of know-how, the development of scientific and technological campuses is a major challenge. Such facilities are key resources for the development of high-tech business clusters, which are drivers of value and job creation. The “Science Cities” project aims to provide a series of comparative case studies of foreign experiences featuring a dual approach combining urban planning and economic development.

METHOD

Benchmarking has made it possible to study six metropolitan areas that have adopted this dual approach: fact-finding missions have been carried out, including one involving a delegation from the Paris Region, in three stages focused respectively on Europe, Asia and the USA.

RESULTS

The results of this process were presented and debated at each stage of the project with Paris Region partners, notably stakeholders from the campuses of Saclay, Cité Descartes and EPAURIF.

PRODUCTS

Science Cities: Science Campuses and Clusters in 21st Century Metropolises, Keynote, 8 p.; Zurich: ETH Science City and West Zurich, 8 p.; Helsinki: Nature City and Living Lab, 8 p. Phase 2 (2010-2012) : Global clusters and campuses: international perspective, 4 p. ; Mission Bay in San Francisco, the new “digital health” hub, 2014, 6 p. ; Portland, a virtuous urban and university ecosystem, 6 p.

MAIN POINTS

Beneficiaries Regional Council	Donors Regional Council
Implementation period 2008/2014	Duration of the study 6 years
Total cost of project 260,000 euros	IAU's share 260,000 euros
Partners IAU	Mobilisation of experts 12 person-days x month

Main experts

IAU

Laurent Perrin, town planner and architect
Odile Soulard, economist

Basic project data

Six Science Cities studied in European, Asian and US metropolitan areas.

Campuses located in town or city centres, on new or existing sites, some of which undergoing redeployment and some of which focused on a variety of themes such as high technology, healthcare, digitalisation, creative industries, etc.