

FINANCING CLEAN AIR

The Financing Clean Air project brings together researchers from Europe and China to explore how Land Value Capture (LVC) might be used to support the goal of improving air quality in urban environments. The project takes a specific focus on the impacts that transport and housing, particularly domestic heating, have on air quality. Working with project partners from the worlds of policy and practice our aim is for our research to have a real world impact in supporting the goal of sustainable development.



Aim/objective

Our aim is to enhance the financial capacity of urban governments to improve air quality through land value capture. We will do this by identifying the dynamic relationship between varying approaches to land value capture as mechanisms to finance sustainable transportation and environmentally-responsible housing to improve air quality.

Approaches/methods

We will use mixed methods approach. We will employ quantitative methods to explore the impact air quality has on quality of life and to understand the varying economic effects of different LVC policies. This approach will be complemented by qualitative methods designed to investigate contextual drivers-of/ barriers-to LVC adoption.

Expected results and impacts

The project is designed to have a very clear connection to policy. Our hope is that we will be able to identify how LVC can support a cycle of sustainable development that can be attuned to the differing contexts of the nations represented in this project.

Financing Clean Air - The potential of Land Value Capture to secure sustainable urban development supporting air quality enhancement

Duration: Starting in 2019, ending in 2022 at the latest

Internet: jpi-urbaneurope.eu/project/financingcleanair

Contact: Prof. Alexander Lord

E-mail: a.d.lord@liverpool.ac.uk

Budget: €942,017

Partners: University of Liverpool – Geography and Planning, Wei Yang & Partners, Centre National de la Recherche Scientifique, University of Paris Est – Lab’Urba/ Ecole d’Urbanisme de Paris, Royal Town Planning Institute, Radboud University – Institute for Management Research, Tongji University, Xi’an Jiaotong University, Liverpool University.

Involved countries

- China
- France
- Netherlands
- The United Kingdom

The Sustainable and Liveable Cities and Urban Areas call

The pilot call Sustainable and Liveable Cities and Urban Areas organized by JPI Urban Europe and the National Natural Science Foundation of China (NSFC), inviting interdisciplinary Sino-European consortia opened on January 31st, 2018.

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