

Li Yinghao



Affiliation

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Background

Yinghao Li is postdoctoral researcher at the Ecole des Ponts in Paris. His current research is about eco-city projects in China, with a special focus on the sustainability indicators. Yinghao Li holds a Ph.D degree in urban hydrology from the Ecole Centrale Nantes in France. Before joining the Ecole des Ponts, Yinghao Li had worked successively in the Etablissement Public Paris-Saclay (Parisian urban development authority) and the CEREMA as Ph.D candidate. He developed an urban hydrological model and applied it at the Paris-Saclay campus.

Current Research

I conduct currently a research program on the indicators in Chinese eco-cities, supervised by Mr. José-Frédéric Deroubaix and Mrs Céline Bonhomme, and granted by the Labex Future Urban. By decrypting the definition process of these indicators and observing their real application on ground, we aim to provide an insight in the roles that the indicators can play in the decision making during urban planning, urban design, implementation and operation of these model sustainable cities. We are interested primarily in the Sino-Singapore Tianjin Eco-City, where we made a first field survey in March 2016. During the survey, we conducted interviews with a wide range of stakeholders (authority, planning institutes, urban engineering institute, environmental academy, residents, etc.) around the Key Performance Indicator (KPI) system. An article about the application of Tianjin KPI has been submitted to the journal China Perspectives. At the meantime, we have been working on a literature review of the frequency of occurrence of the indicators of Tianjin in international scientific publications.

Recent publications

- Li Y, Rodriguez F, Berthier E (2014). Development of the Integrated Urban Hydrological Model URBS: Introduction and Evaluation of a Transfer Module in the Saturated Zone. in 13th International Conference on Urban Drainage. Pages 1445-1500
- Li Y (2015). Modeling of hydrological processes of an urban catchment - Study of a saturated soil flow module and application to an urban development zone of the future Paris-Saclay University. PhD thesis. Ecole Centrale Nantes.

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- Li Y (2013). Projet d'aménagement du Paris-Saclay et ses gestions des eaux pluviales. GeDEP Conference: Quelles innovations pour la gestion durable des eaux pluviales en milieu urbain? Nantes, France.
- Li Y, Bonhomme C, Deroubaix J-F (2016). Quelles expériences et leçons à tirer du modèle d' "éco-cité" pour le développement durable des villes chinoises? Une analyse de l'éco-cité de Tianjin à son mi-temps de l'échéance. Submitted to China Perspectives (<https://chinaperspectives.revues.org/>).
- Dumont E, Attard G, Thiébaud E, Li Y, Berthier E, Eisenlohr L, Goutaland D and Frank-Néel C (2016). Le défi de l'adaptation des milieux construits aux changements globaux: concilier le développement des villes et la réduction des impacts sur les eaux souterraines. Géologues. N° 187. Pages 67-73.

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