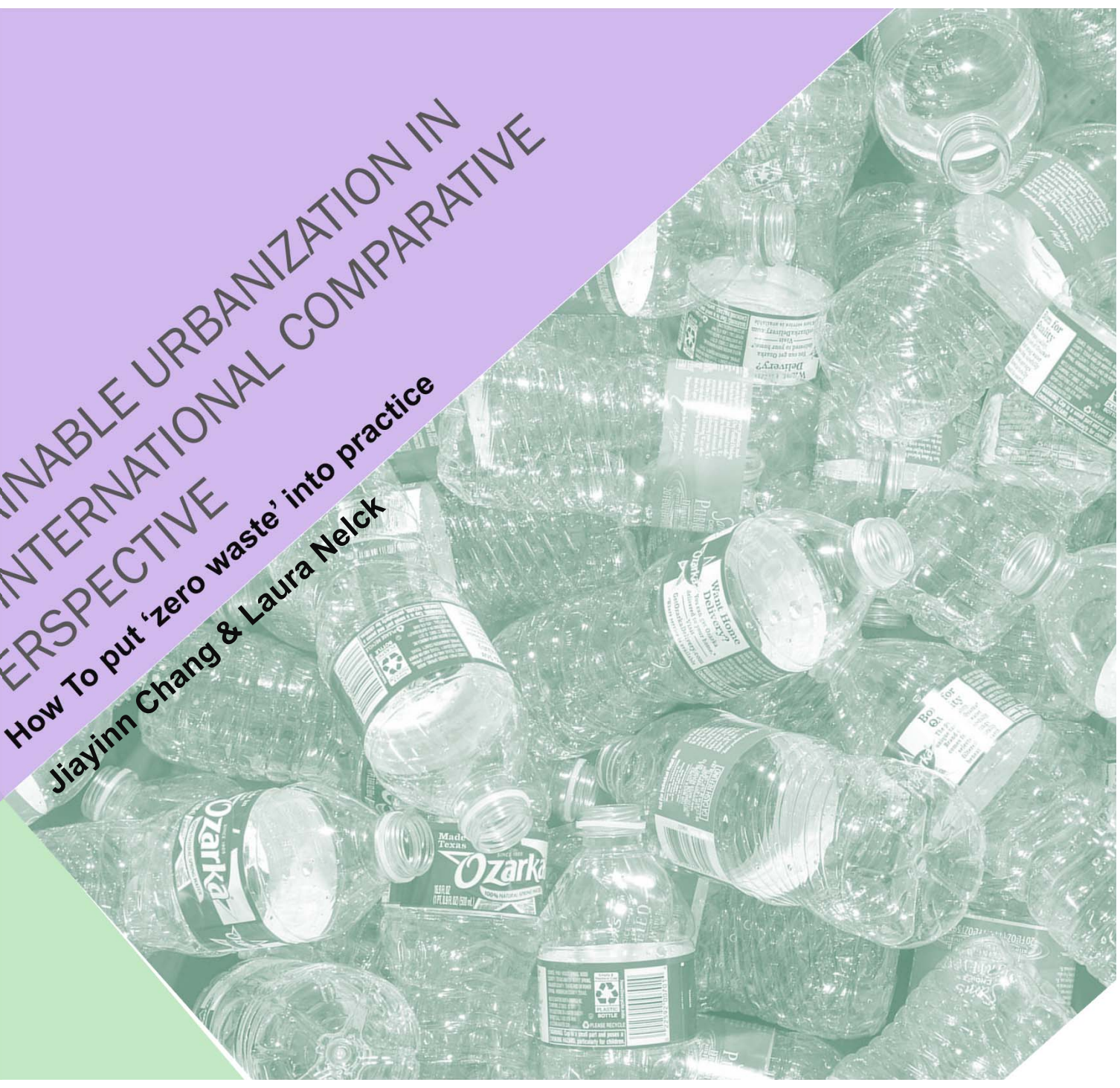


SUSTAINABLE URBANIZATION IN AN INTERNATIONAL COMPARATIVE PERSPECTIVE

How To put 'zero waste' into practice

Jiayinn Chang & Laura Nelck



CONTENT

- Who are we
- China centre for Urban Development (CCUD)
- The Vanke Foundation (Community partner)
- How to put 'zero waste' into practice
 - Scope & contour of the problem
 - Test population/area
 - Methods
 - Prototyping the solution
 - Benefits of the solution
- Questions



WHO ARE WE

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CHINA CENTRE FOR URBAN DEVELOPMENT

- National Development and Reform Commission, established in 1998
- Providing policy documents & consultancy on urbanization
- Guidance to pilot cities across China
- Formulating spatial development plans for local governments
- Building financial platforms
- National top think on new urbanization



THE VANKE FOUNDATION

- Vanke Foundation founded by Vanke Co., Ltd in 2008,
- Recognized as a charitable organization in 2017.
- Green environmental protection, ancient building protection, children's health, education development, precision poverty alleviation and so on.
- Providing data and information of their community in this project .



HOW TO PUT 'ZERO WASTE' INTO PRACTICE

- Produce as little garbage as possible is, since this is a worldwide problem
- Most accessible issue for such a short time project



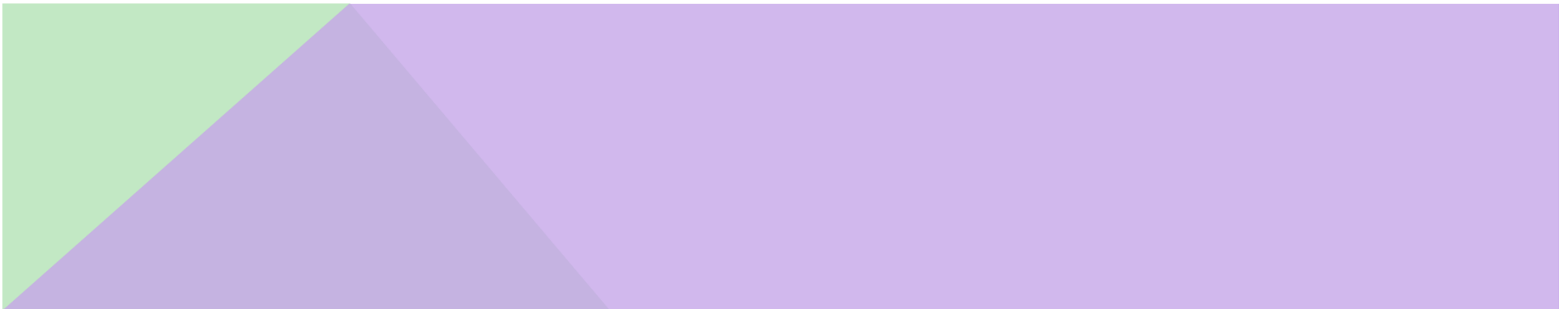
SCOPE & CONTOUR OF THE PROBLEM

- Global environmental quality ↓
- Resource depletion 🗑️
- Environmental pollution ☒
- The overload of waste humans produce

(Domestic waste : 10%↑ / year)

Urban Waste Treatment Method :Landfill + Incinerating + Compose

(In U.S , 4.39 pounds of trash per day and up to 56 tons of trash per year are created by the average person)



TEST POPULATION

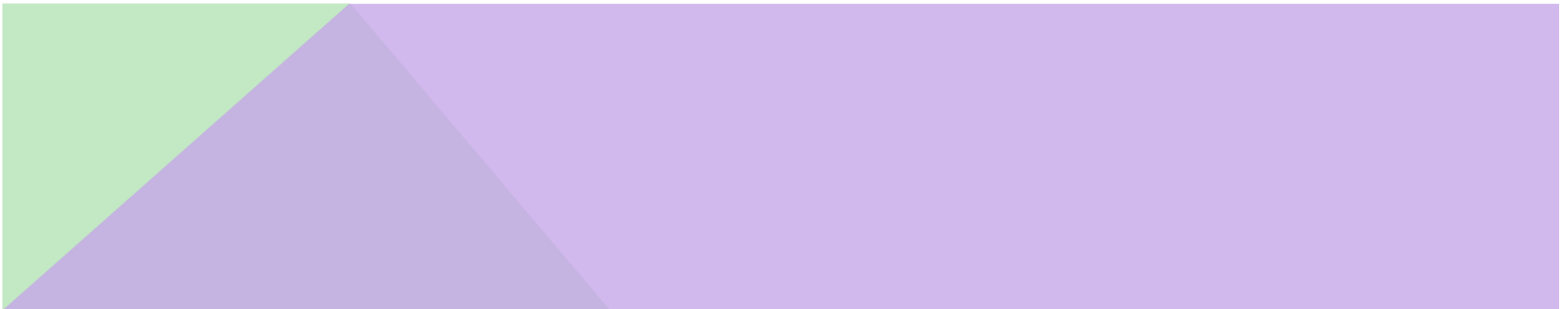
- Several sub-communities of Vanke Co.,Ltd
 - Using proper data provided by them
- Tsinghua University Campus



METHODS

Improve urban waste treatment level of:

- Harmlessness
- Reduction
- Resource utilization



PROTOTYPING THE SOLUTION

- Consulting successful cases of other countries
- Building efficient excitation mechanism
- By education, raising environmental awareness of urban resident
- Applying for subsidy of processing urban waste 💰
- Strengthening garbage collection and processing
- By strengthening the law and regulation, enhancing supervision and management of treatment of urban waste



BENEFITS OF THE SOLUTION

- Creating awareness ensures cooperation
- Knowledge about recycling, will be useful in the future
- Strict guidelines ensure result



QUESTIONS

Does anyone have any questions?

