







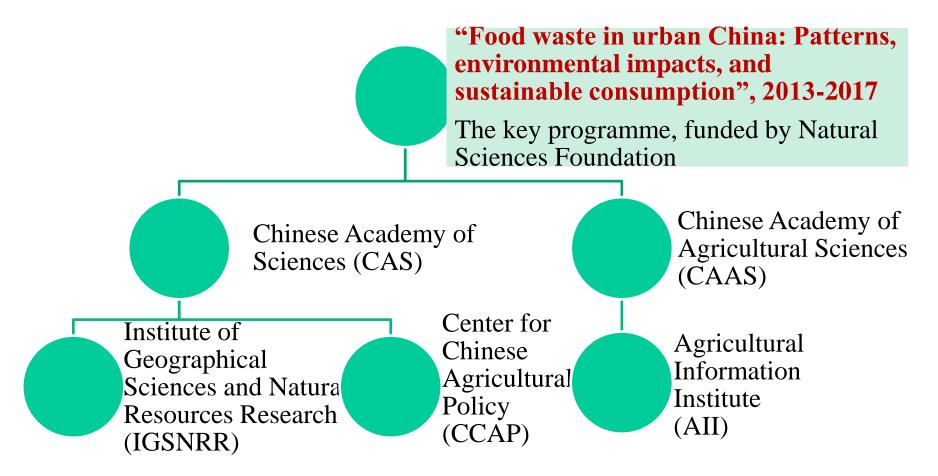
food waste and sustainable consumption patterns

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An first systematic estimate for China...



The aim is to answer three questions in this project:

- **▶Food wastage estimation** through large-scale surveys in Lhasa and Beijing
- > Resource and environmental impacts of food waste in China
- ➤ Patterns, impact factors, and **policy implementation**

An first systematic estimate for China...

Literature review for pre-consumer stage food wastage: over 100 papers and reports are analyzed, preliminary report prepared



✓ Liu, G (刘刚).; Liu, X. (刘晓洁); Cheng, S. (成升魁), Food security: Curb China's rising food wastage. **Nature 2013**, 498, (7453), 170.



✓ Liu, G (刘凤) . Food losses and food waste in China: a first estimate. OECD Food Value Chain Analysis Network - 4th Meeting. Trade and Agriculture Directorate, Organisation for Economic Co-operation and Development (OECD). June 20-21, 2013, Paris, France.

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Large-scale survey in Beijing and Lhasa...

- Questionnaire surveys and interviews:
- Restaurants (first round finished)

| City | Sample Tables | Large | Medium | Small | Fast food | Total |
|---------|------------------|-------|--------|-------|-----------|-------|
| Beijing | Surveyed | 409 | 576 | 285 | 616 | 1886 |
| Lhasa | Surveyed | 216 | 332 | 273 | | 821 |





- o **Households** (first round finished): 86 households in Beijing, three meals a week
- Canteens (finished) 360 questionnaires from 12 canteens universities,
 companies, schools, government organizations...
- **Interviews**(ongoing): with cooks, managers, and experts, about measurement \efficiency in the kitchen

Database Construction: from served food to raw materials

Training volunteers



Weighing a plate of beef



Interviewing a head chief



Interviewing a manager



The First International Conference on Global Food Security, Sept. 29-Oct.2, 2013, the Netherland

Presentation: Investigating food wastage in China:Progress and preliminary results (Prof.Cheng Shengkui, Dr. Liu Gang, Dr Liu Xiaojie)







Cooperation in the future

- Aiming at the systematic and common problems, it should pay more attention on the methodology of food waste
- The pattern and scale of food waste are still unclear, more quantitative research(through large-scale surveys) can help inform the public and policy-makers how serious the problem is and where actions are urgently needed.
- Comparing the differences between EU and China, we can obtain the experiences from each other, promote more sustainable consumption patterns and diets



FOOD SECURITY IN CHINA



Questions, comments, and suggestions?

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Thanks for Your Attention

