

The Pilot Study Project of Carbon Footprint in China

China National Institute of Standardization

Liu, Mei

February 8, 2010



Contents



Background

The project overview

Early Lessons

- **Targets**
 - **Reduction of energy consumption
20% per unit GDP by 2010**
 - **Reduction of CO2 emission
40-45% per unit GDP by 2020**

- **Question raised: how can
standardization help to achieve the
targets?**



- The development of the international standard
- PAS2050
- Other countries' practices

Contents



Background

The project overview

Early lessons

The project overview



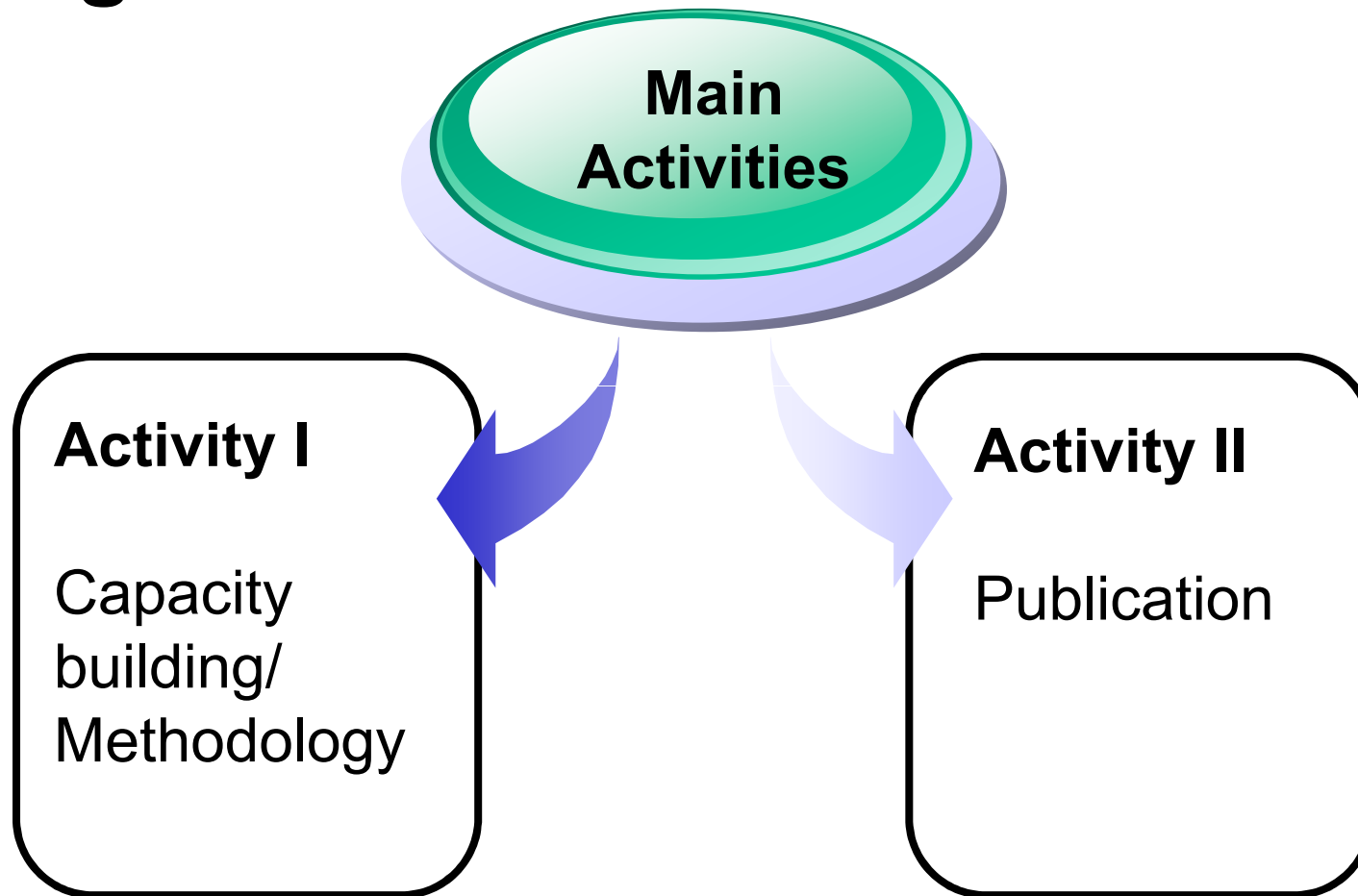
- **Title:** INTRODUCTION OF A STANDARD TO ASSESS GREENHOUSE GAS EMISSIONS OF GOODS AND SERVICES IN CHINA
- **Period:** January 2009 to June 2010
- **Sponsor:** British Embassy Beijing
(low carbon/ high growth strategic programme)



- **Objectives**

- Capacity building
- Awareness rising
- International standards activity involving

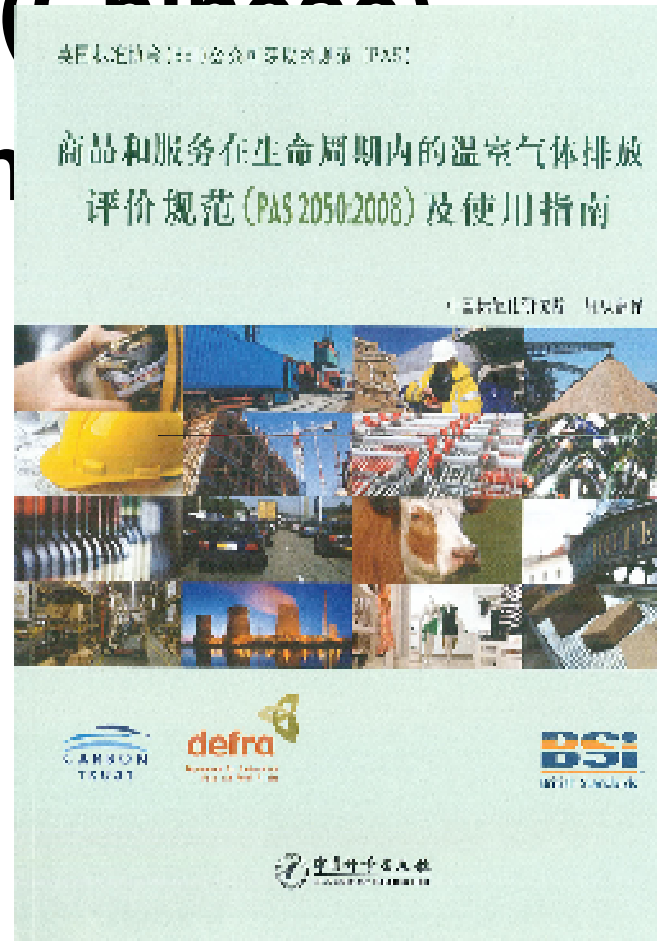
- **Stage 1**



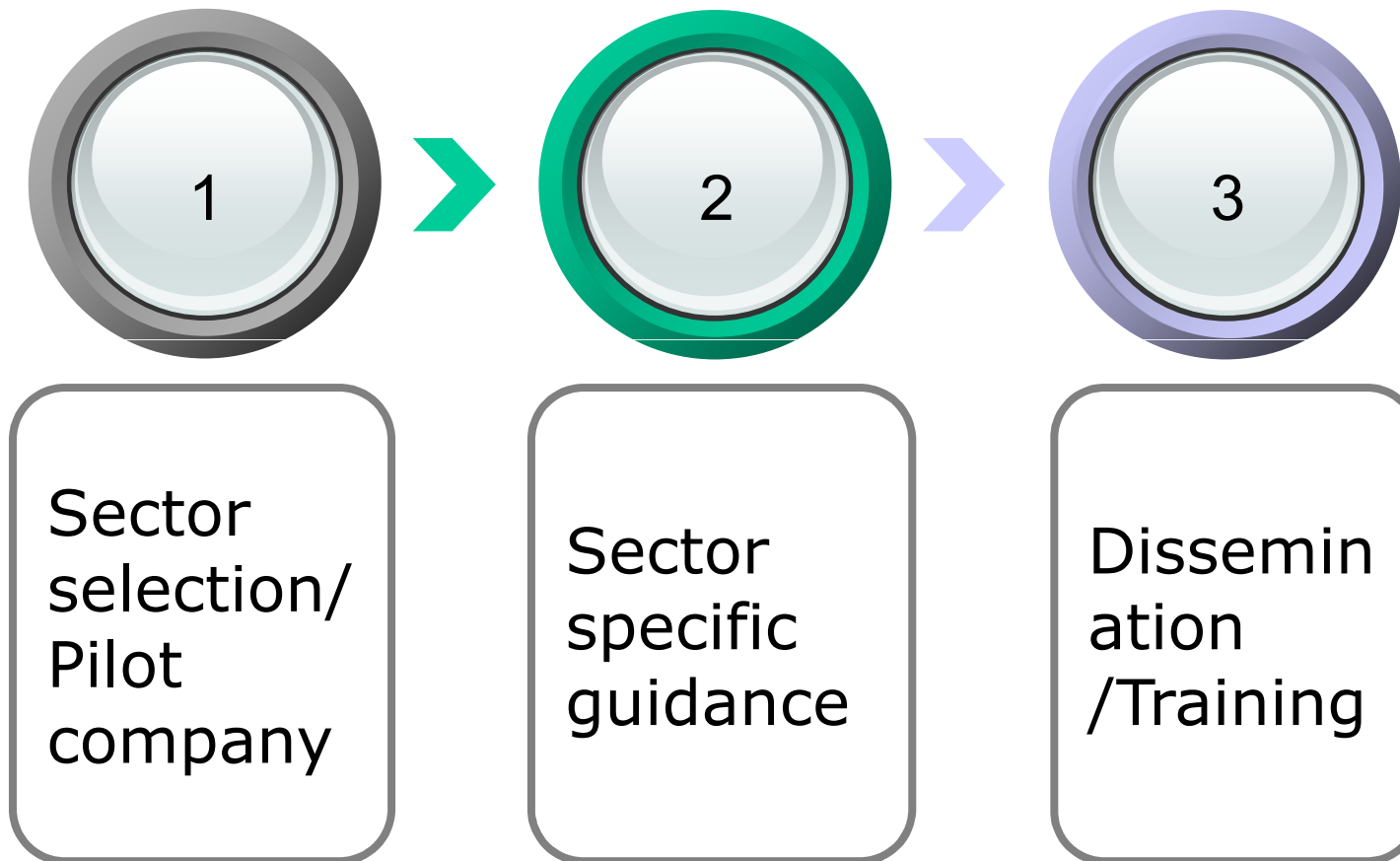
The project overview



- Translation (Chinese)
- Examination
- Publication



- **Stage II: Application**





- **Sector selection**
 - **Energy intensity sectors**
 - **Cement**
 - **Chemical (PVC)**
 - **Food process**
 - **Lighting**

The project overview



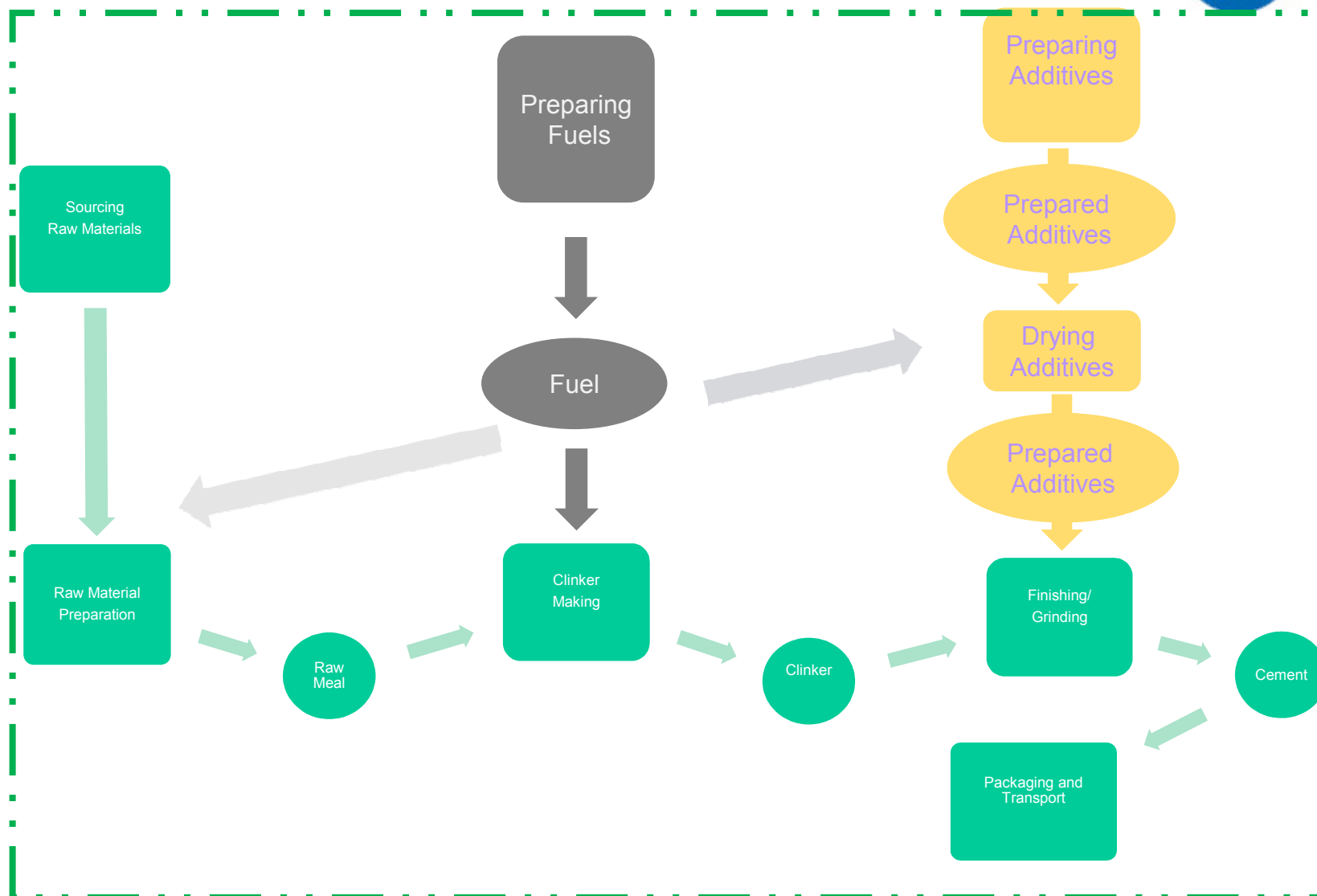
- **1994 National GHG Inventory: industrial sector 43.75 % of total emission**
- **Source: The People's Republic of China Initial National Communications on Climate Change**

Source	CO2 (Gigagram)	%
Cement	157775	56.76
Lime	93560	33.66
Iron&steel	22678	8.16
Calcium Carbide	3968	1.43
Total	277980	100



- **Cement company**
 - 4 million tons/year
 - PC and other products
 - Raw materials: lime, sandstone, etc.
 - Fuels: coal, electricity
 - Additives: fly ash, gypsum, etc.

The project overview



Contents



Background

The project overview

Early Lessons

- **Sector selection**
 - Lack of awareness
 - Lack of incentives
 - Other concerns
- **Technical**
 - Boundary issue
 - Data problem
 - Comparison (PVC: C_2H_4 , CaC_2)
 - Upstream and down stream

Next Steps



- **To develop sector specific guidance (energy intensity sectors)**
- **To expand to service**
- **To recommend policy tools for government**

Please contact



**Division of Resource and Environment
Standardization**

**China National Institute of Standardization
(CNIS)**

No. 4, Zhichun Road, Haidian District,
Beijing 100088, P.R. China

Phone: +86-10-58811715

Fax: +86-10-58811714 (24 hours)

Email: liumei@cnis.gov.cn

Thank you!

