



# Global Climate Change

**Week 4**

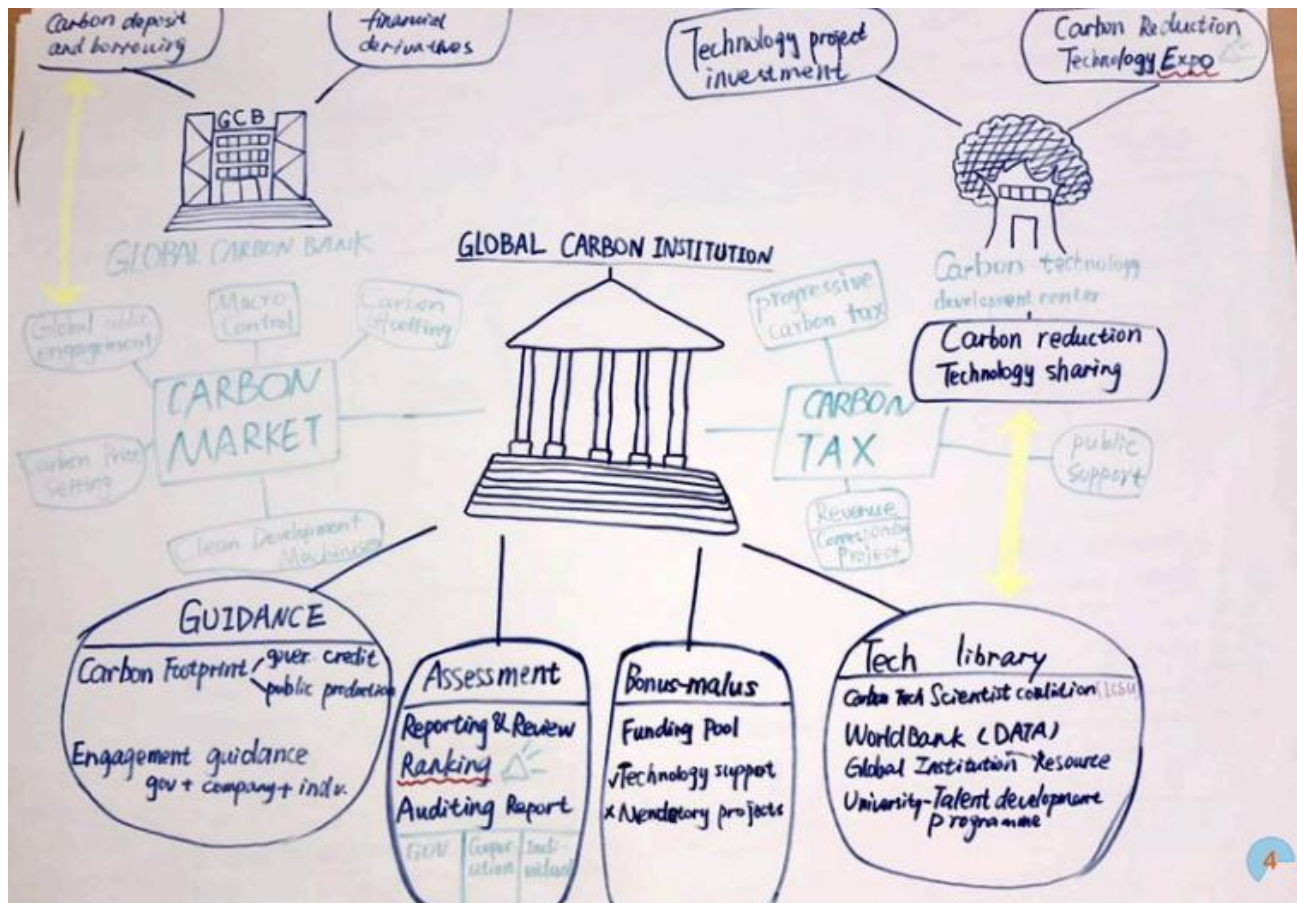
21/7/2017

# Summary

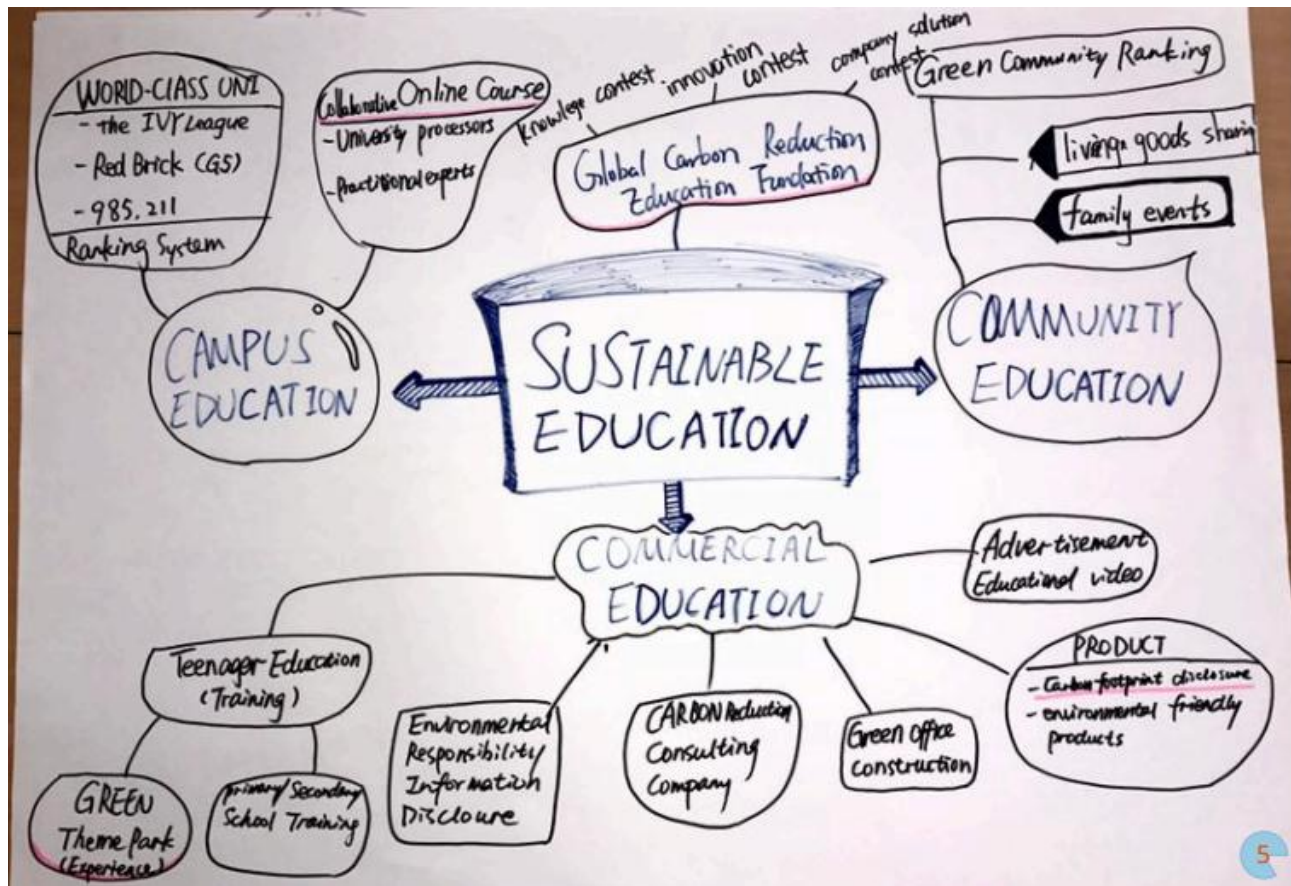
1. International organizations
2. Carbon pricing achievements
3. Carbon footprint
4. **Global carbon institution**
5. **From the perspective of science and education**

## Results

### a. **Global Carbon Institution**



## b. Sustainable Education



## Detail

### International Organization

| economic | technology  | law  |
|----------|-------------|------|
| G20      | Nobel Prize | IUCN |
| WEFORM   | UNSTO       | UNEP |
| IFC      | UN Prime    |      |
| MIGA     | ICSU        |      |
| ICSID    | ISSC        |      |
| IRMCL    | WIPO        |      |
|          | UNESCO      |      |

## Carbon Trading System

1. Basic idea: different cost of emission reduction
2. Three trading mechanisms:
  - Clean Development Mechanism (CDM)
  - Joint Implementation (JI)
  - Emissions Trade (ET)
3. Carbon Trade Exchange
  - European union greenhouse gas emission trading scheme (EU ETS)
  - UK emissions trading group (ETG)
  - Chicago climate exchange (CCX)
  - National trust of Australia (NSW)

## Carbon Pricing System Establishment

- 1. Effective emission-reducing:**
  - \*Actions:  
Efficiency/Justice/Public finance
  - The key of implementation:  
Lower the cost of emission-reducing/Avoid the fluctuation in price/fund the developing countries/multinational unified platform
- 2. Report of the High-Level Commission on Carbon Price**  
Carbon Pricing Options/Tapping Carbon Pricing Revenues

## Carbon Footprint

“Carbon footprint” is often used as shorthand for the amount of carbon (usually in tonnes) being emitted by an activity or organization. The emitted CO<sub>2</sub> is divided into primary CO<sub>2</sub> and secondary CO<sub>2</sub>. Two types of methods to measure the amount of CO<sub>2</sub>: mass units and superficial units

## Plan for Next Week

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- **How can we hit the 2 °C target?**  
carbon footprint calculation
- **MAP: From the other perspectives**  
political, legal, economic and business
- **Strategy on international org.**