

On the Improvement of Bioenergy Law in China

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Outline

1. Overview of bioenergy in China
2. Existing bioenergy law and policy
3. Improvement of bioenergy legislation in China

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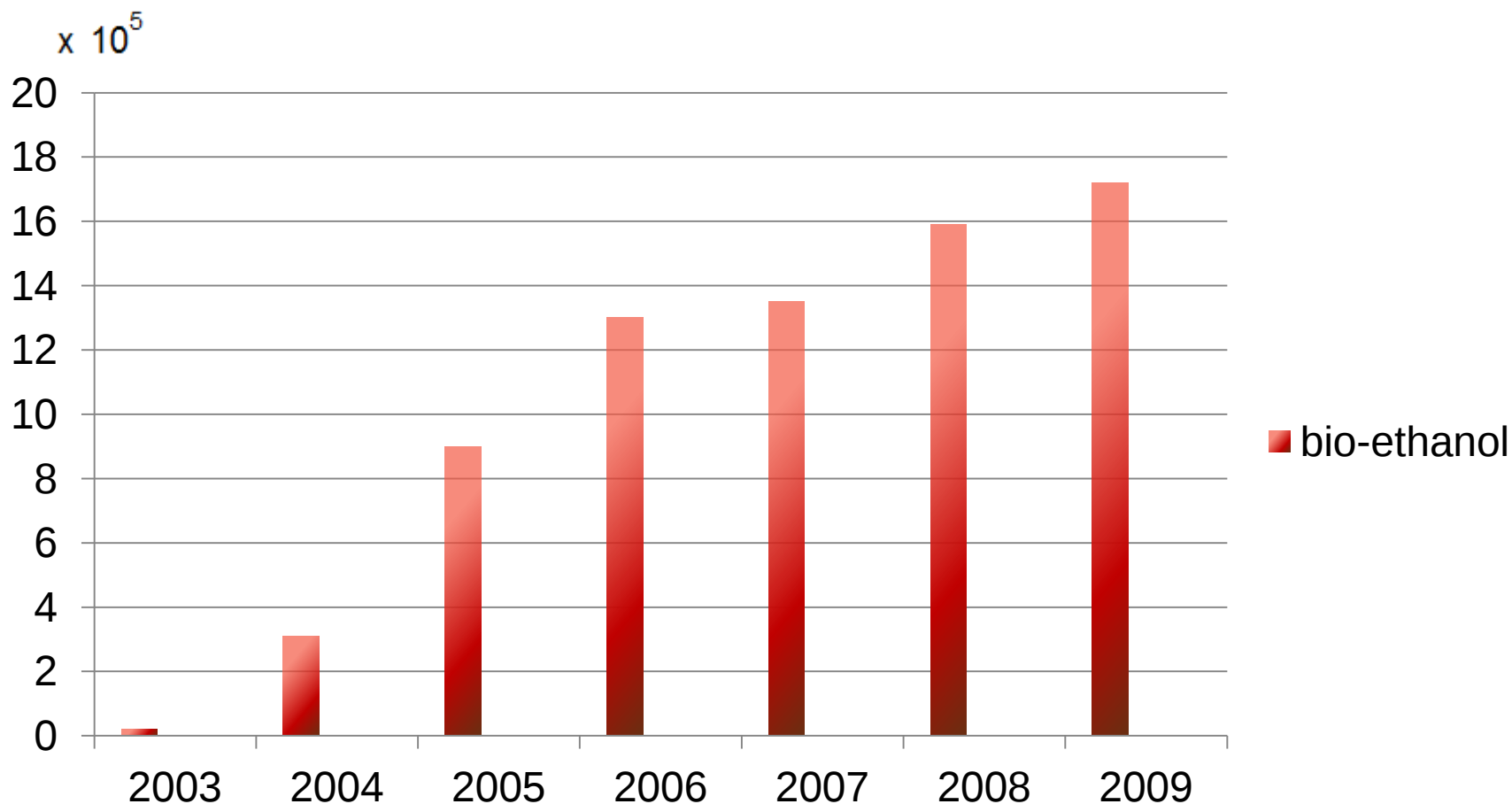
Energy security

Environmental protection

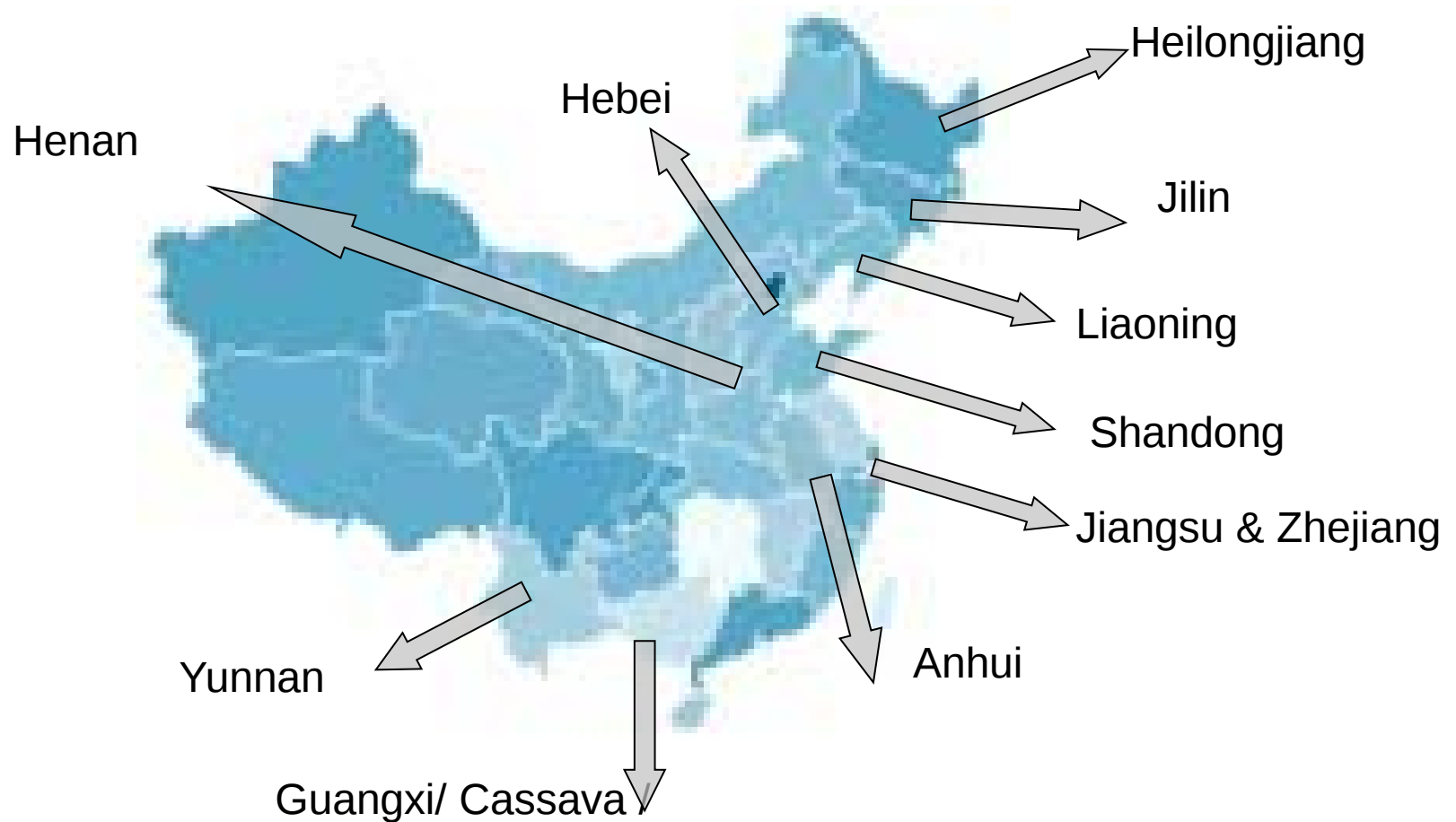
Rural development



Output of China's bio-ethanol production



Bio-ethanol distribution map



- **11th five year plan**

- 2 million tons of non-grain based bio-ethanol
- 0.2 million tons of bio-diesel
- 1 million tons of solid biofuel
- 13 million KWH



2010

- Failed to be achieved



- **12th five year plan**

- 3 million tons of bio-ethanol
- 10 million tons of bio-diesel

2015

- 20 million tons of solid biofuel
- 55 million KWH

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Renewable energy law

Administrative
regulations

Department
rules

Local
regulations

Policies
and plans

Renewable energy law, 2005

- Article 2: “bioenergy **except** utilization of straw, firewood, excrement etc. through direct burning in **low-efficiency** stove is regulated by the law. ”
- Article 16: “the state encourages clean and efficient exploitation of bioenergy and the development of energy plants. Also, the State encourages production and utilization of biological liquid fuel. Petroleum sales enterprises shall, in compliance with the regulations of energy administration department under the State Council or people’s governments at the provincial level, **include biological liquid fuel** that conforms to **state standards** in their fuel-selling system. ”
- Article 31: liability provision

Administrative regulations and departmental rules

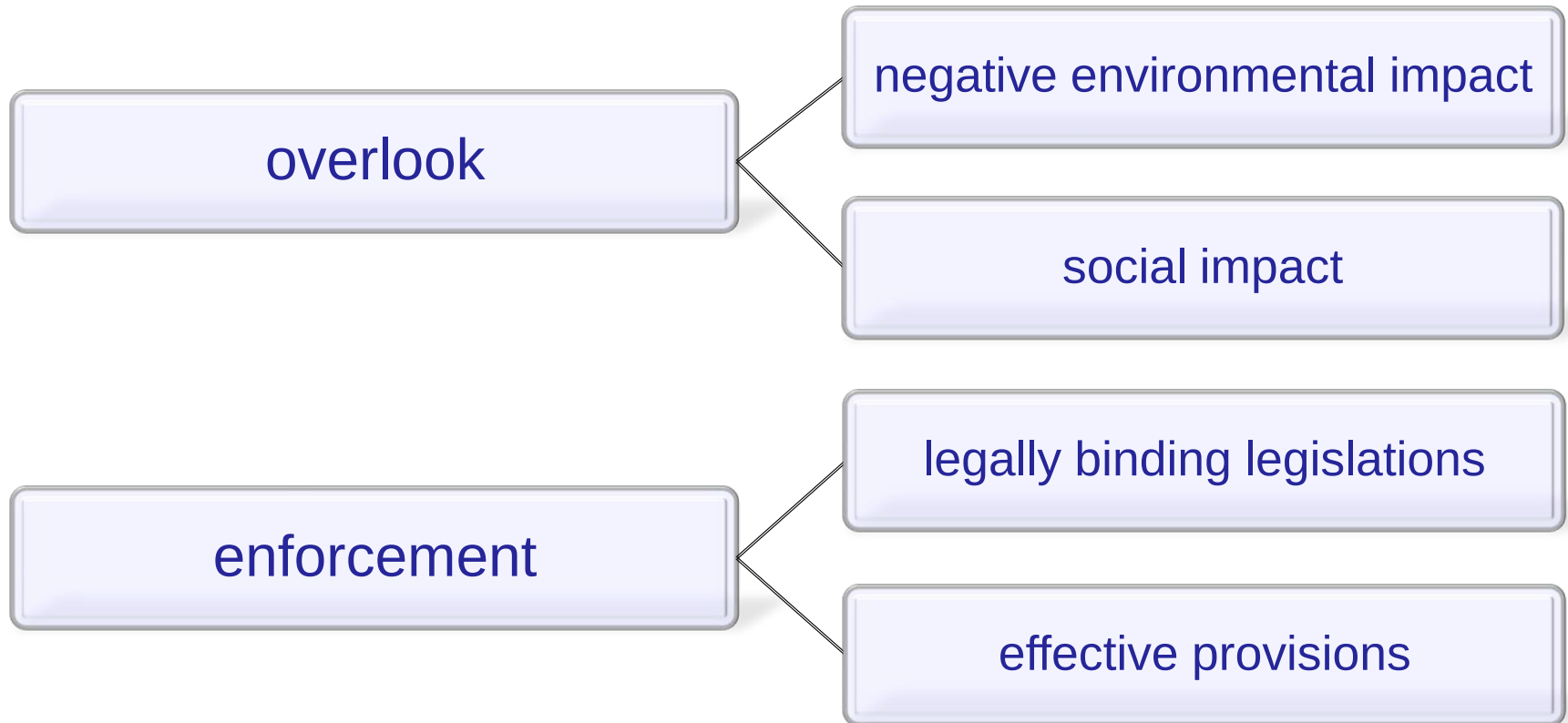
- ▶ Directory List for Renewable Energy Industry, 2005;
- ▶ Notice concerning **Taxation** Policy to Fuel Ethanol Licensed Producer, 2005;
- ▶ Rules for **Financial Assistance** on Bioenergy and Biochemistry Development, 2006;
- ▶ Interim Measure for Administering Renewable Energy Development **Fund**, 2006;
- ▶ Interim Measure for **Subsidy** to Biomass Base of Bioenergy and Biochemistry, 2007;
- ▶ Interim Measure for Administering Encouragement **Fund** for Non-grain Biofuel and Bioenergy, 2007;
- ▶ Interim Measure for Collection and Use of Renewable Energy **Fund**, 2011;
- ▶ Interim Measure for Feed-in **Tariff** to Renewable Power Generation, 2012;

Plans and other policies

- Long and Mid-term Planning for Renewable Energy, 2007;
 - 11th Five-year Plan for Renewable Energy, 2006;
 - 11th Five-year Plan Specifically for Fuel Ethanol and Ethanol Blended Gasoline for Automobiles as well as Development Policy for Fuel Ethanol Industry, 2006
 - 11th Five-year Plan for Bio-industry; 2007;
 - Plan for Agricultural Bioenergy;
 - 12th Five-year Plan for Renewable Energy, 2012 (forthcoming)

 - Whitepaper on China's Energy Situation and Policy;
 - China's National Program on Climate Change
 - Policies for Products Generated from Comprehensive Utilization of Resources, 2008.
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Main deficiencies of existing bioenergy law and policy



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-

Comprehensive bioenergy law ?

Legal hierarchy of new bioenergy legislation

- National Development and Reform Commission (NDRC) and relevant administration departments
 - Joint departmental rules
 - The third layer of national energy legal system
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Guideline

Energy security

Sustainable development

Basic principles and criteria

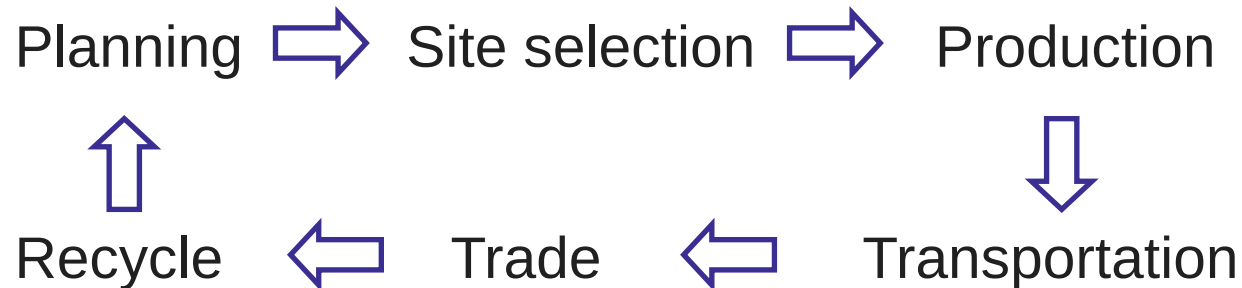
Prudence principle

Diversification principle

Reference the relevant principle and criteria

Mechanisms

- Life-cycle assessment



Indicators

Strategic environmental assessment
Environmental assessment
GHG emissions
Conservation

Social development
Human / labor rights
...

Mechanisms

- Product standards and certification

Improve existing bioenergy standards

Label and certification

- Public participation

Thank you

