



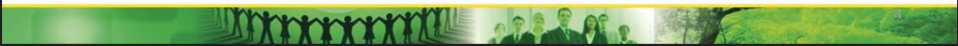
GREEN ECONOMY AND SD

- GE is a necessary condition and basis for sustainable development
- GE is an important part of the anticrisis policies in the USA, Canada, Germany, France, China, South Korea , etc.

(www.hsbc.com)



Basic principles

- Increasing of efficient use of natural resources;
 - Conservation of biodiversity;
 - Pollution reduction;
 - Low-carbon development ;
 - Poverty reduction and development of human capital
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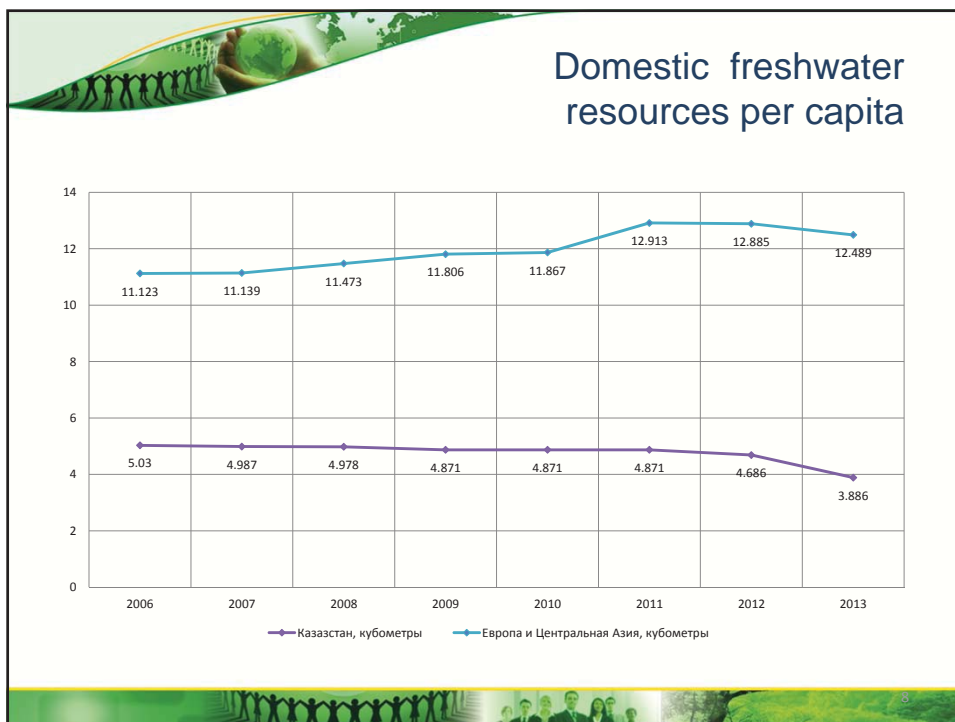
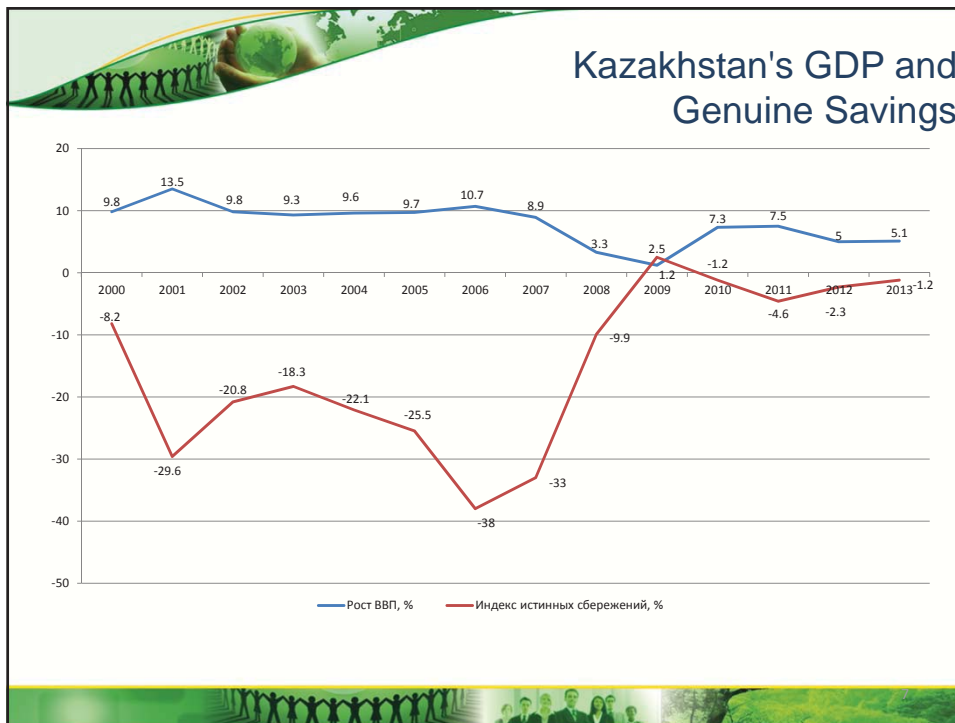
Green economy tools

- **Administrative and institutional tools** - laws, guidelines, prohibitions, restrictions and licensing procedures;
- **Economic tools** - "green" taxes, environmental fees, certificates, subsidies, loans, grants, investments;
- **Voluntary tools** – information, management systems, agreements between public authorities and private associations ("green" contracts , reports or alliances).

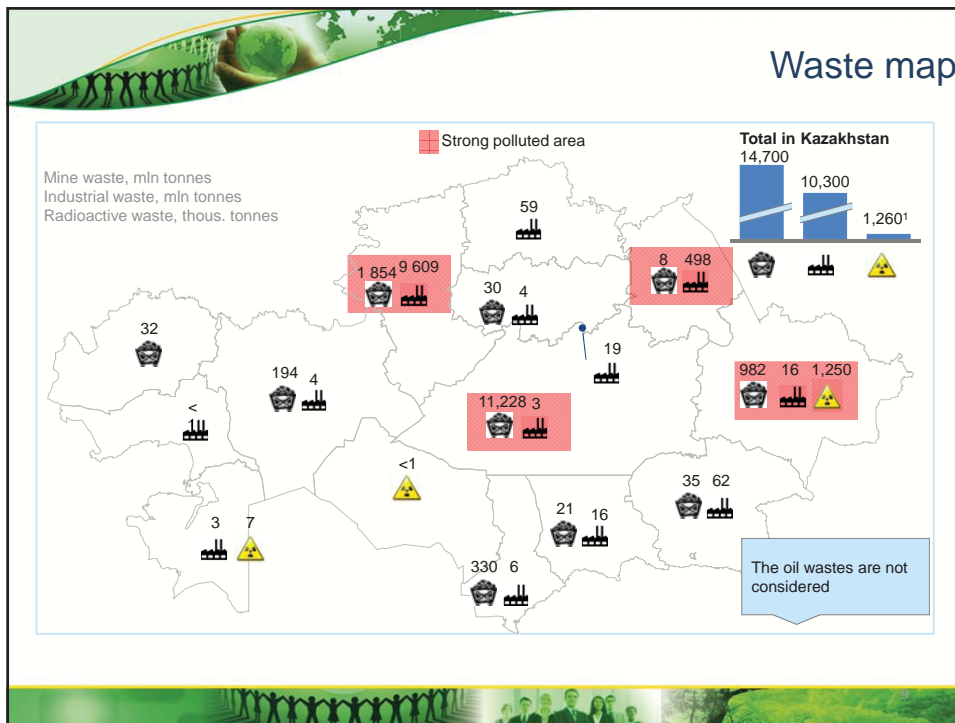


Republic of Kazakhstan

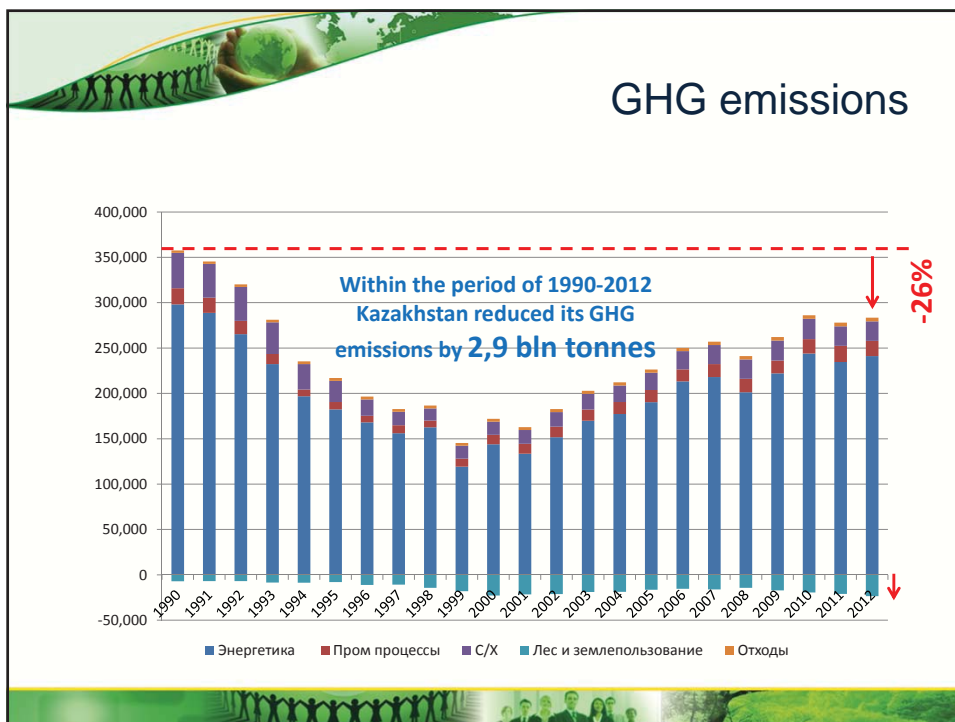
- **1997** - "Kazakhstan-2030" Strategy
- **1998** - National Action Plan for Environmental Protection in Kazakhstan
- **2002** - The National Agenda 21
- **2006** - The Concept of Transition of the Republic of Kazakhstan to Sustainable Development
- **2007** - The Environmental Code
- **2010** - ESCAP, the First National Report on Green Economy
- **2012** – Launch of the "Green Bridge" Partnership Programme and its inclusion into the Declaration Rio + 20
- **2012** - "Kazakhstan-2050" Strategy
- **2013** -The Concept of transition to "Green" Economy and adoption of the National Action Plan for 2013 - 2020
- **2013** - The Council on the transition to "Green" Economy under the President of Kazakhstan
- **2015** - The initiative of the President of Kazakhstan to establish the "Green Technologies" Centre.
- **2017** - EXPO-2017 on the topic "Future Energy" in Astana

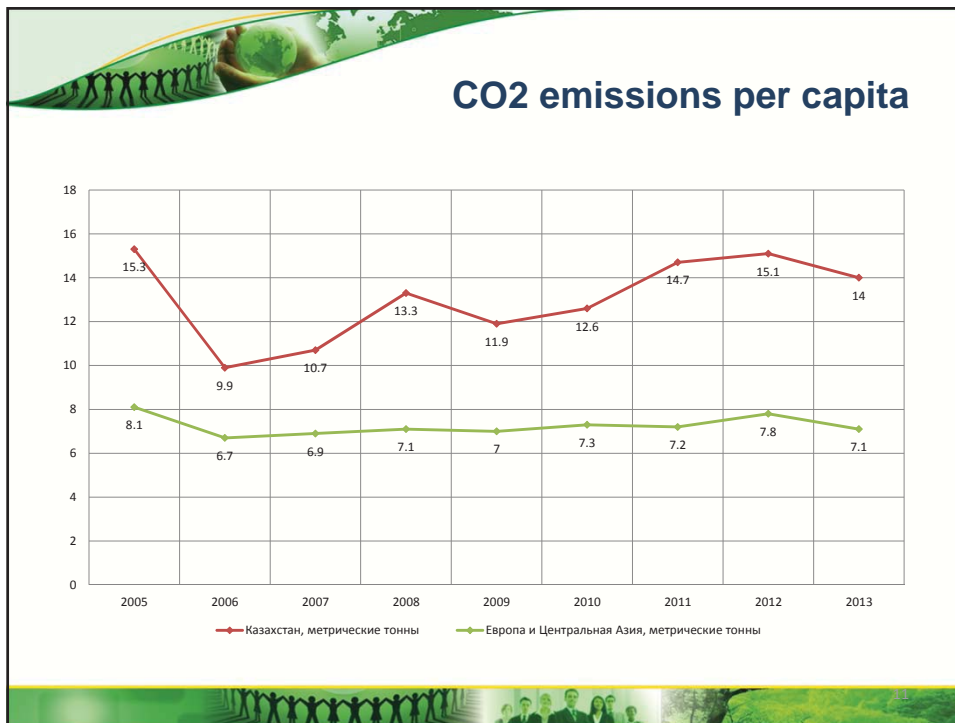


Waste map



GHG emissions

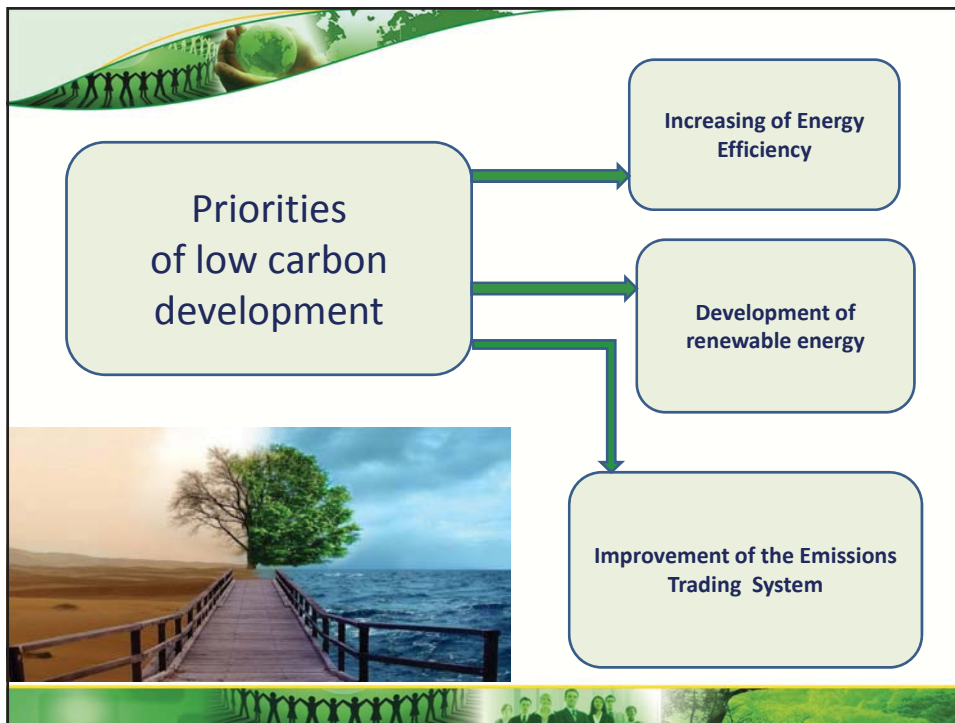




INDC of Kazakhstan

GHG emissions reduction from 1990 to 2030

- by 15% - an unconditional target
- by 25% - a conditional target



GENERAL INFORMATION

EXPO 2017 "FUTURE ENERGY"
- INTERNATIONAL RECOGNISED EXHIBITION

What is "Future Energy"? Solutions for Tackling Mankind's Greatest Challenge

FUTURE ENERGY addresses global energy-related challenges and problems that have a direct impact on basic aspects of life on the planet

- Global warming and climate change
- Access to water
- Fair opportunity for economic development for all nations
- Protection of biodiversity
- Energy security and resource allocation
- Promotion of world equity



FUTURE ENERGY

Reducing CO² Emissions

- ✓ Carbon Capture & Storage
- ✓ Renewable Energy
 - ✓ Hydrogen
- ✓ Nuclear Fusion Energy

Living Energy Efficiency

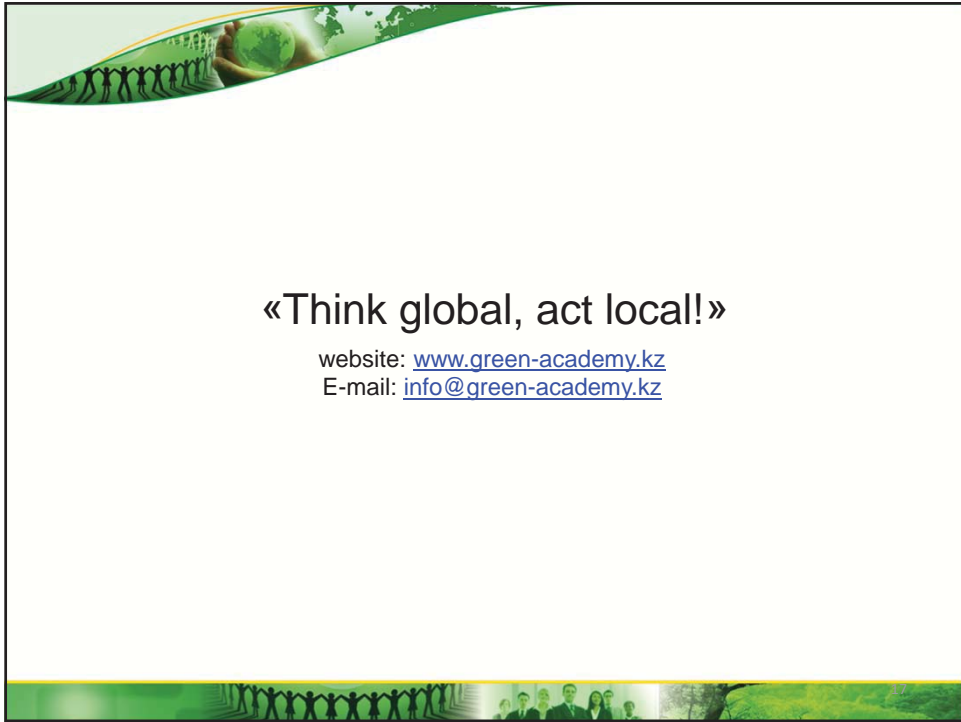
- ✓ Buildings & Urban Planning
- ✓ Efficient Transport
- ✓ Efficient Industry

Energy for All

- ✓ Energy Against Poverty
- ✓ Access to Sustainable Energy
- ✓ Decentralized Energy Systems

Way forward

- Improvement of the national statistic system based on the "green" indicators (OECD, WB, Eurostat, etc)
- Modernization of the planning and taxation system with considering the "green" principles (EBRD, OECD, etc);
- Creation of Green Bridge Institute -2016 (OSCE+)
- Establishment an International Center of Green Technologies on the EXPO-2017 basis (OSCE+;
- Development of capacity building program for decision-makers, business and NGOs (EU, UNDP, GCF , etc)



«Think global, act local!»

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