

INOGATE Status Reports

Presentation of the Preliminary Findings



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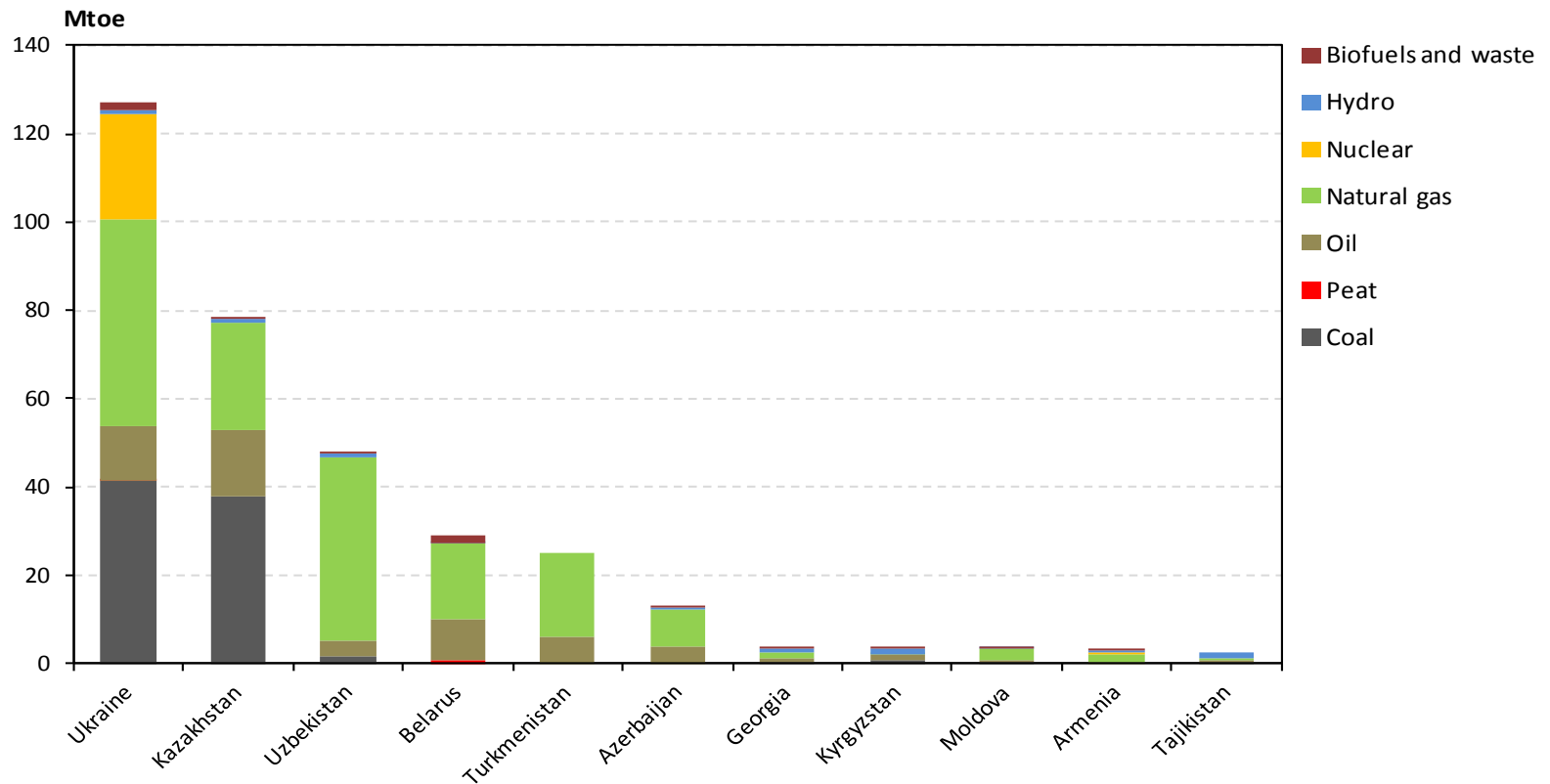
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Background

- **Annual Status Reports; IEA review for 2013-2014**
 - 11 Caspian and Black Sea country reviews; funded by the EU
 - Uzbekistan review took place in December 2013
 - Draft report under government's consideration
- **Review team**
 - IEA experts, INOGATE Technical Secretariat, peer-reviewers from the participating countries, the local INOGATE experts
- **Major objectives**
 - 4 pillars: energy security, sustainable development, investment attraction, market convergence
 - General energy policy and energy balances
- **Compendium publication in Q4 2014**
 - Uzbekistan review scheduled for 28-30 May 2014
 - Draft publication to be completed by July 2014

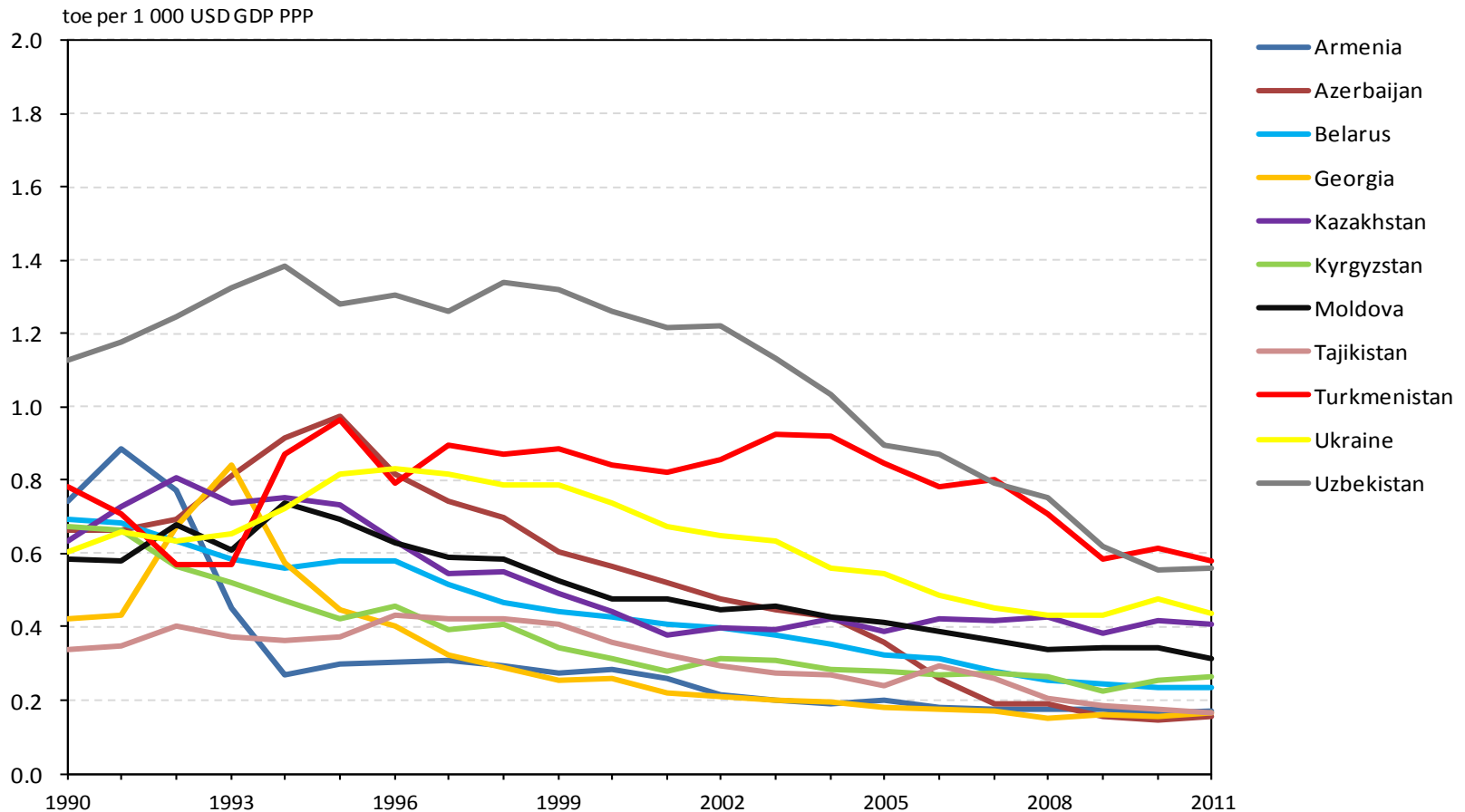
Regional energy mix – Total Primary Energy Supply

- Resource rich regions
- Manageable import dependency/feasible self sufficiency
- Need for smart solutions and justified investments
- Increase export potential to energy hungry markets



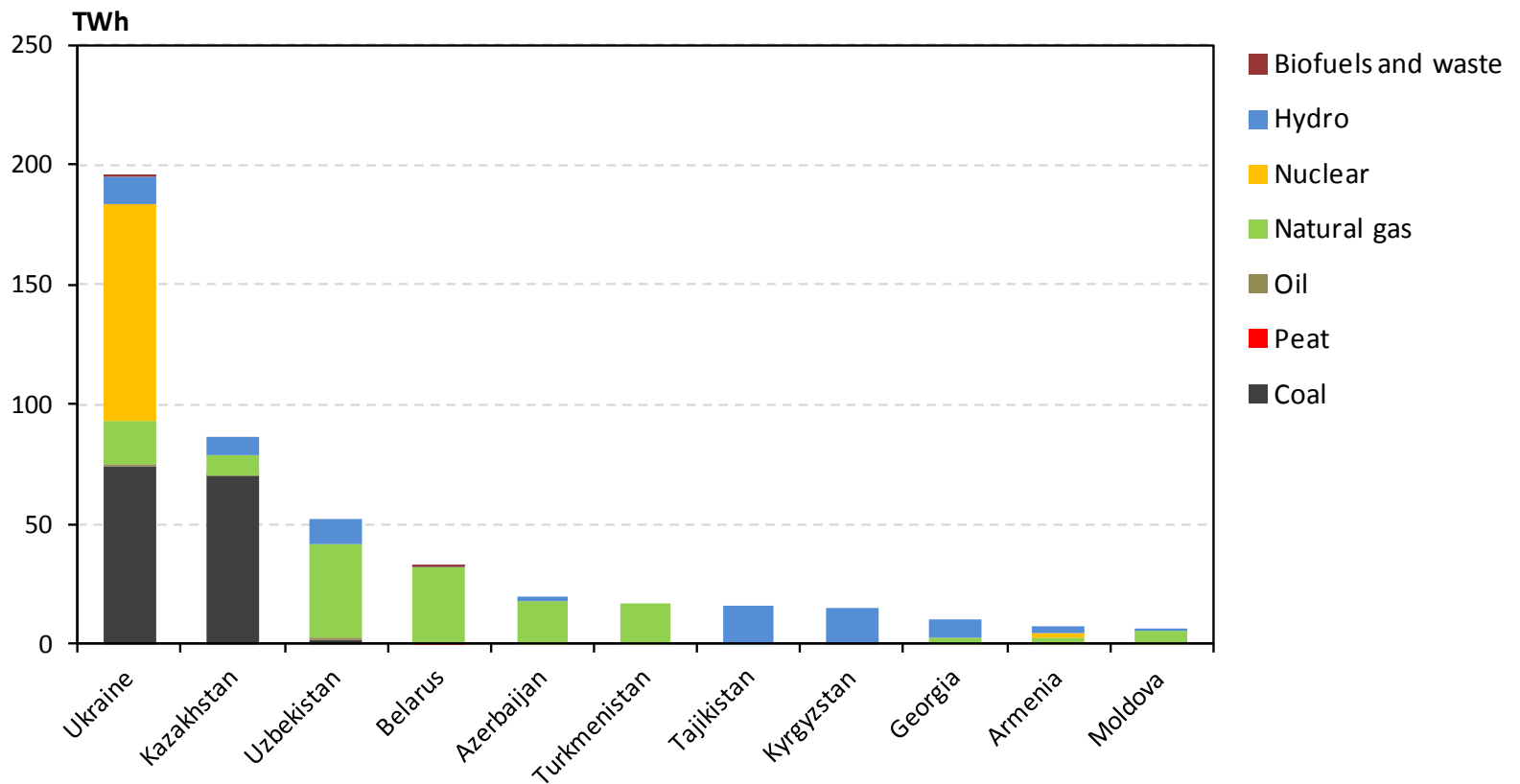
Energy intensity

- Positive trends, yet lack of long-term sustainability
- More robust policy actions required
- Impact on all sectors of economy



Electricity generation

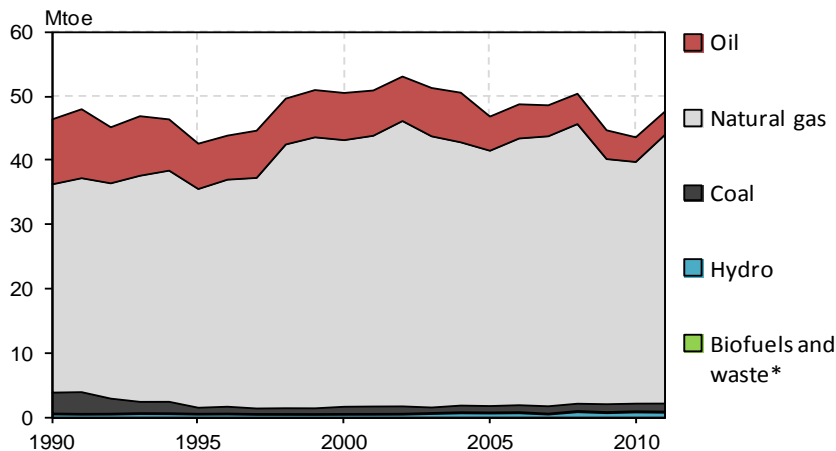
- Dominant share of coal in Kazakhstan and Ukraine
- The role of natural gas across the region
- Vast hydro potential in Georgia, Kyrgyzstan and Tajikistan
- Nuclear power and the role of renewables energy



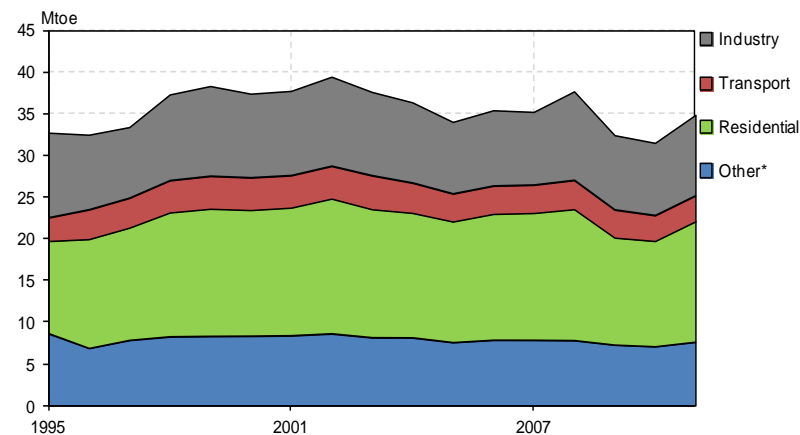
Uzbekistan 2012 review findings

- Self sufficient in energy resources
- Sturdy demand growth; 8% GDP growth to 2020
- High energy intensity
- Aging energy infrastructure
- Energy subsidies; lack of EE policies & measures
- Recent developments in alternative energy field

TPES 1990-2011



TFC 1995-2011



Energy security

- **Aging infrastructure causing losses and outages**
- **Inefficient electricity generation**
- **Diversification of energy export options and growing demand**

Market convergence

- **Financial and legal unbundling of electricity TSO and DSOs and partial privatisation under way**
- **Need to develop an effective market model which will enable market driven investments**

Sustainable development

- **Focus on sustainability of energy systems, particularly aged and inefficient energy infrastructure**
- **Encourage deployment of renewables**
- **Need for EE and RE funding and incentive mechanisms**

Investment attraction

- **Investment climate improved**
- **Maintain clear, predictable and transparent investment framework**
- **Promote energy efficient technologies**

Preliminary findings and recommendations

- ***Developing overall energy strategy***
- ***Improving statistics data exchange***
- ***Upgrading or replace aging energy infrastructure***
 - ***district heating and gas distribution networks***
- ***Reducing energy intensity in all sectors of economy***
- ***Considering staged phasing out of energy subsidies***
- ***Promoting EE and RE development at larger scale***
 - ***Continuing with energy efficiency in transport sector***
 - ***Elaborating on a building code (new and retrofit)***
- ***Continuing maximising vast solar potential***
- ***In upstream oil and gas developments***
 - ***Encourage latest technologies for enhanced oil & gas recovery***
 - ***Continue exploring for alternative (shale) oil and gas reserves***
- ***Promoting research and development activities***

Thank you



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