

**Chapter 6. The role of eco-innovations and  
social innovations as pillars of sustainable  
development in the KR (by Dr. Yoram Krozer)**

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## The role of eco-innovations and social innovations as pillars of sustainable development

- The chapter 6 highlights that the experience of the transitional and developing countries suggest that the implementation of the SDGs requires an innovative policy approach;
- There is a growing role of eco-innovations;
- There is a growing role of social innovations;



# *The scope of the research of Chapter 6*

- Challenges for Kyrgyzstan;
- Opportunities for Kyrgyzstan;
- How to pursue policies for sustainable development;
- Opportunities for sustainable innovations in the KR & enabling policies;
- Provide recommendations



# *Comparative study & lessons learned*

The researcher suggested to look at several case studies in the comparative perspective and discussed the lessons learned, which might be useful in the case of

**Kyrgyzstan:**

- **Kyrgyzstan**
- **Tajikistan**
- **Armenia**
- **Slovak Republic**
- **Austria**



# *Sectors of the national economy*

The researcher suggested the sectoral approach to the assessment of eco-innovations covering the areas as follows:

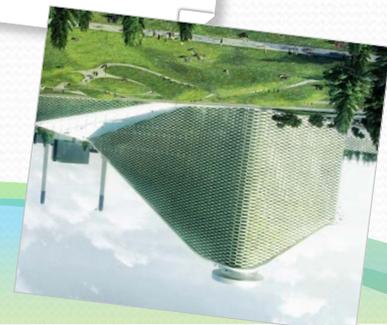
- Rural Areas (here he focused mainly on Agriculture)
- Industries (including light and heavy industries)
- Energy sector And
- Services



# *Eco-innovations in the different sectors of the national economy: Agriculture*

The eco-innovations are especially important in agriculture, which presents their own set of challenges and opportunities

- Innovative approach into the water usage in SME in rural areas;
- Innovative research in production of the organic products;
- Introduction of international standards and certifications



# *Eco-innovations in the different sectors of the national economy: Industries*

The eco-innovations are very important in industries, which presents their own set of challenges and opportunities:

- Heavy industries
- Light industries
- Mining



## *Eco-innovations in the different sectors of the national economy: energy sector*

- The eco-innovations are important in energy sector, which presents their own set of challenges and opportunities:
  - - Coal (local coal);
  - - Oil and gas (mostly imported);
  - - Electricity (mainly generated at hydro-electric power stations);
  - - Renewable energy



# *Eco-innovations in the different sectors of the national economy: services*

The eco-innovations are very important in service sector, which presents its own set of challenges and opportunities:

- Tourism (especially eco-tourism);
- Modernized craft (handicraft);



# ***Social innovations in the Kyrgyz Republic***

The social innovations have especially great potentials as Kyrgyzstan has vibrant civil society, large proportion of young people in total population and strong NGO sector:

- Living environment (quality of life);
- Know how (infrastructure supportive of social innovations);



# *Innovations and environmental perspective*

- The natural environment in Kyrgyzstan is extremely fragile due to the fact that almost 80 percent of its territory is covered by mountains:
  - - Degradation of land;
  - - Natural and man-made disasters;
  - - Significant population movement to the urban centers increasing pressure on the environment



# *Environmental regulation and regulation enforcement*

The ministry of environment of the KR works with other stakeholders in the country on developing the supportive legal environment protection regulation as follows:

- Legal environmental protection regulation;
- Enforcing the environmental protection regulation;



# *Recommendations*

The set of recommendations in this chapter should cover several issues:

- Recommendations on Eco-Innovations;
- Recommendations on Social Innovations
- Recommendations on creating better links between different players and stakeholders



**Thank You!**

