



# RECOMMENDATIONS FOR MODERNIZATION OF THE SUSTAINABLE DEVELOPMENT STRATEGY OF JSC “NARXOZ”

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## TASKS OF MODERNIZATION

- To develop measures (administrative, institutional, economic and financial) to enhance competitiveness of the University in order to train professional personnel for SD of Kazakhstan and other Asia-Pacific countries based on an assessment of the SD potential;
- To develop and implement the first model of the "Green" University in the Republic of Kazakhstan and the Asia-Pacific region





# Stages of modernization

- Inventory (assessment) of training programs to determine its relevance to the needs of SD of the national economy;
- Inventory of research programs;
- Assessment of the teaching staff potential for understanding and relevance to SD qualifications;
- Integration of sustainability related values, skills and knowledge across disciplines both within curricula and learning outcomes;
- Creation of a working group to develop Sustainable HEI network for Central Asia;
- Seek to develop “inter-sectoral” approach to HEIs;
- Development of University development scenarios taking into account the principles of SD up to 2030;
- Development of the Project proposal on NARXOZ carbon footprint calculation by support of the IFIs ;
- Directions of integration into global and regional (CA) networks of leading "green" universities of the world.





## Methodology

- Rationale and selection of key indicators in accordance with international experience and UN recommendations in the field of environmental education and the SD;
- Integration of indicators into the SD Strategy;
- Development of scenarios for improving the competitiveness of the University, taking into account modernization on the principles of SD;
- Determining the competitiveness of graduates and possible risks





## Recommended Indicators

- Share of graduates on environmental specialties in the total amount of gratuities the SD disciplines (economics of natural resource use, climate economics, "green" finance, eco-management, eco-marketing, etc.) in the total volume of disciplines;
- GHG emissions per 1 PPP/student;
- Energy intensity per 1 kWh;
- Share of the Forest Fund in the Land Fund of the University;
- Water consumption per 1 PPP/student;
- Share of municipal solid waste (MSW) per 1 PPP/student;
- Share of IT in the total amount of disciplines;
- Share of IT in the total amount of educational services;

## Directions of modernization of SD Strategy until 2030

Professional development of teachers and staff in the field of SD


Development and launching of "green" specialties and disciplines

Increasing the efficiency of energy, water, land and forest resources use

Integrating "green finance" into investment policy

- School of Law and Public Administration
  - Narxoz Business School
- School of Society, Technology and Ecology



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# Implementation of «green» finance into investment of the University

Green Banking ●

Green Bonds ●

Green Insurance ●

Green Funds ●



● Environmental law Trading

● Managing Environmental Risks

● International collaboration





*«Think global, act local!»*

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