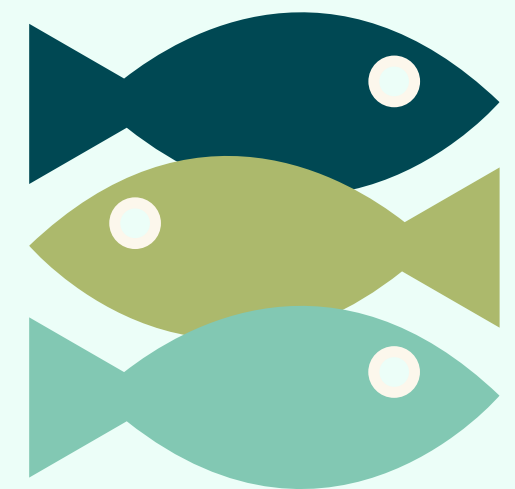


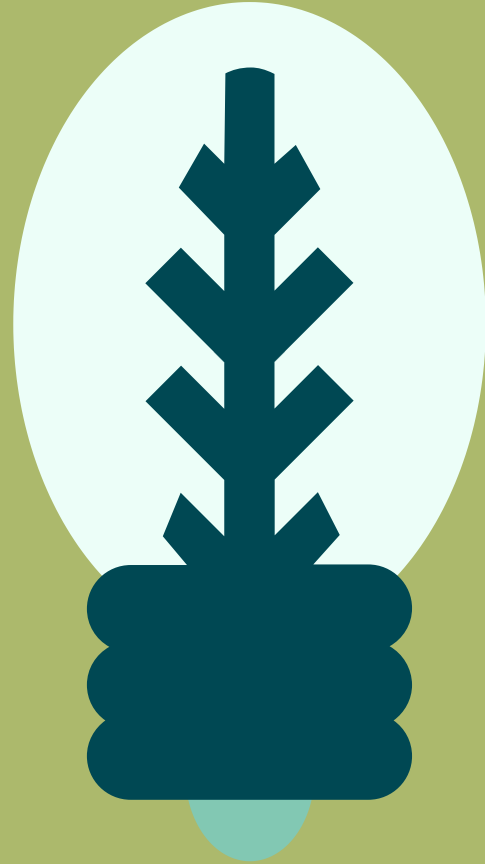
KazNARU's Commitment to Energy, Climate and Sustainability.



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Vision and Strategy



TOPICS

- Aligning with Kazakhstan's green transition and SDG goals
- Institutional strategy on climate action and energy innovation
- Integration of sustainability into academic and operational planning

Renewable Energy at the Core

- Emphasis on solar, wind, and geothermal energy
- Campus-wide transition to renewable sources
- Partnerships with national and international energy stakeholders



Solar Panel Implementation

- * Installation of rooftop solar panels on academic buildings
- * Annual energy output and CO₂ reduction metrics
- * Student-led monitoring and maintenance initiatives





Smart Building Technologies

- Energy-efficient lighting, heating, and cooling systems
- Real-time energy monitoring dashboards
- Retrofitting older buildings for energy optimization



Green Campus Infrastructure

Eco-friendly landscaping and water-saving systems

Bicycle paths, electric vehicle charging stations

Zero-waste pilot zones and recycling hubs



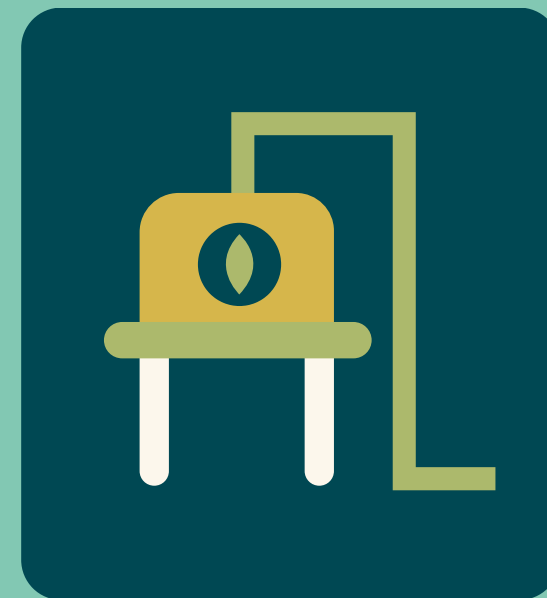
Academic Programs and Research



Interdisciplinary research
on climate resilience and
adaptation



Joint projects with
Wageningen University and
AD

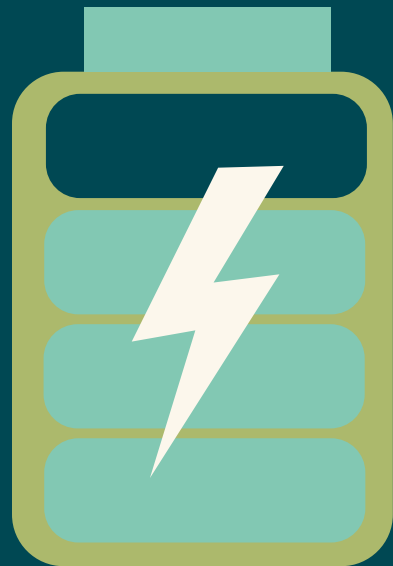


Courses on climate
science, energy policy, and
green engineering



Capacity Building and Training

- Workshops on energy efficiency for staff and students
- Technical training on solar panel installation and maintenance
- Community outreach and school-based awareness programs

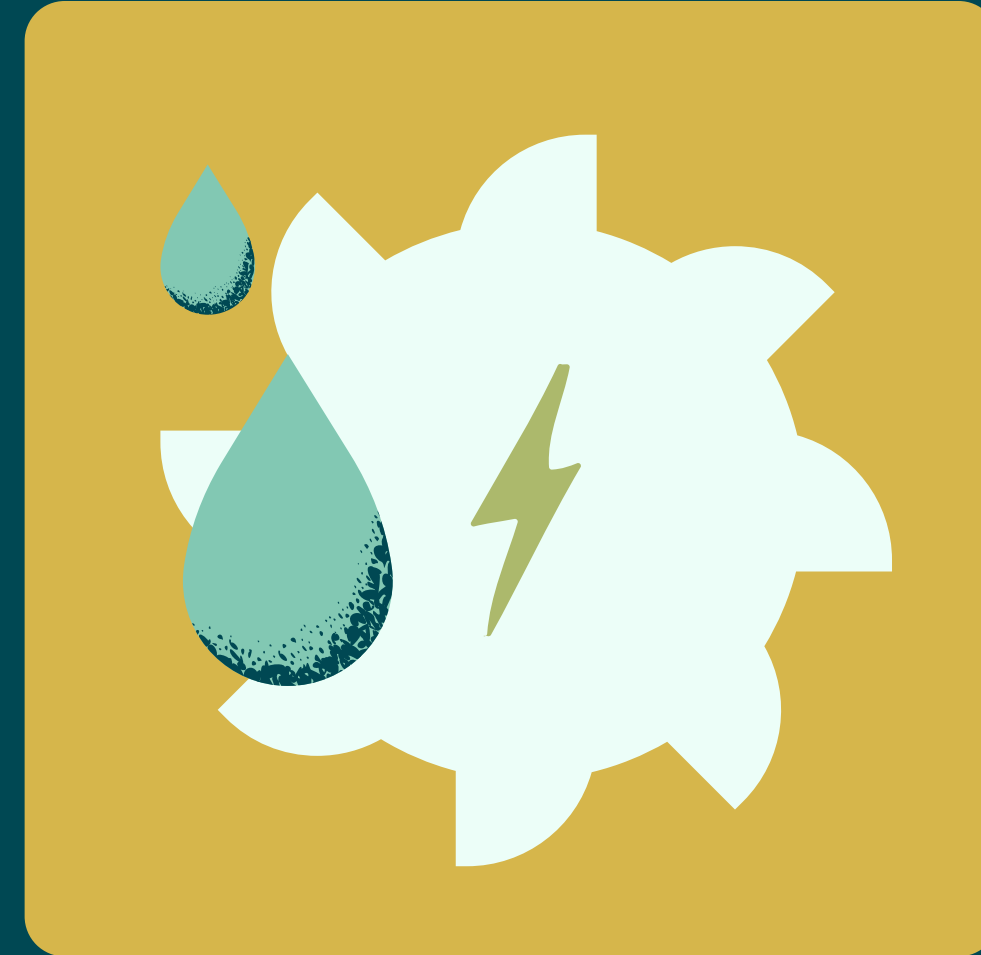


International Collaboration

- Ongoing negotiations with ADB and Wageningen University (Dec 2024)
- Proposal for a major ADB grant on joint education and research
- KazNARU as Kazakhstan's representative in regional climate networks

Impact Metrics

- % of energy from renewables
- Reduction in campus carbon footprint
- Number of trained students and staff in energy programs



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Future Plans

- % of energy from renewables
- Reduction in campus carbon footprint
- Number of trained students and staff in energy programs



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We thank you for your continued support in our efforts to contribute to the SDGs!



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