



TIAME
NATIONAL RESEARCH UNIVERSITY

CLIMATE ACTION

PLAN 2030 STRATEGY

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RELATIONAL RESPONSIBILITIES

As we at the TIAME aim for a resilient and sustainable future, we are mindful that we must ground ourselves within our responsibilities. We hold our relationships as sacred and foundational to this climate and sustainability strategy:

The TIAME community commits to honouring relational responsibilities to climate action for past, present and future generations. We will develop goals and processes that are grounded in local Indigenous Knowledge Systems, worldviews and protocols. We aim for climate action, justice and sustainable practices for the health and well-being of the lands, waters, air and more-than-human relations.



INTRODUCTION

An urgent call to action

The world, including the TIIAME, must respond to global climate change, which is tightly linked to biodiversity and human well-being. The Intergovernmental Panel on Climate Change (IPCC)

Special Report Global Warming of 1.5°C states we must limit global warming to 1.5°C to reduce risks to biodiversity, ecosystems, resources and their functions. The global community needs local, immediate action across regions to curb emissions and limit global warming. At the same time, steep

Losses in biodiversity need to be met as stated under the Convention of Biological Diversity Post-2020 Global Biodiversity Framework, and the United Nations Decade on Ecosystem Restoration (2021-2030) Strategy. As well, the UN 2030 Agenda for Sustainable Development Transforming Our World provides 17 Sustainable Development Goals and 169 targets to address critical issues of importance to planetary well-being and humanity.

Purpose of this climate action plan

TIIAME strives to actively participate in the measures taken in our Republic to prevent, combat and eliminate the negative consequences of climate change, and in this regard, training students, training specialists, and continuous research on climate action and ecology.

As part of TIIAME's larger strategy, the 2030 Climate Action Plan (CAP) provide comprehensive responses to climate change challenges and opportunities.

The plan demonstrates the university's leadership in growing organizations—government, nonprofits, academic institutions, and industry—to accelerate response and impact.

An action plan outlines how people will work across the institution, with multiple partners and teams, to achieve short, medium and long-term goals.



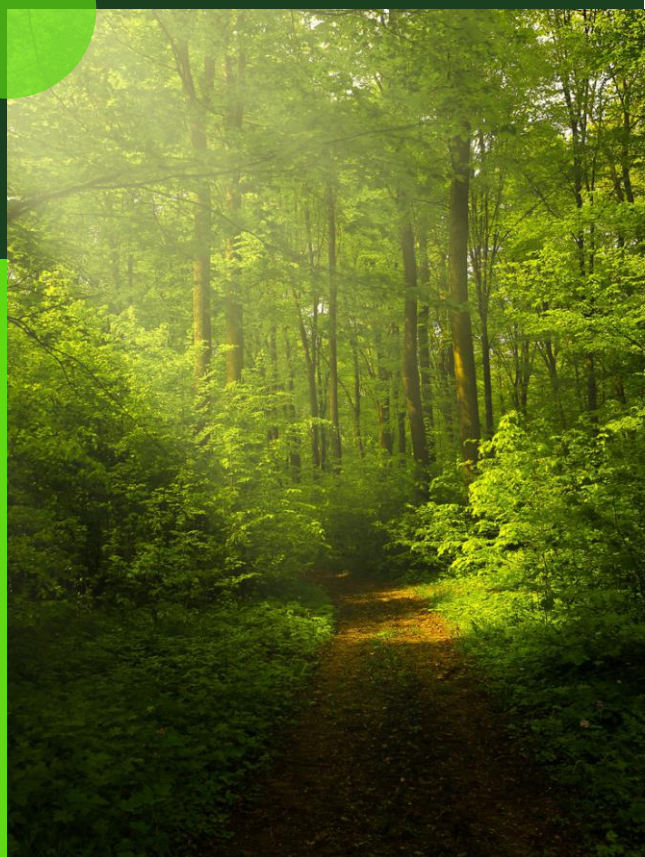
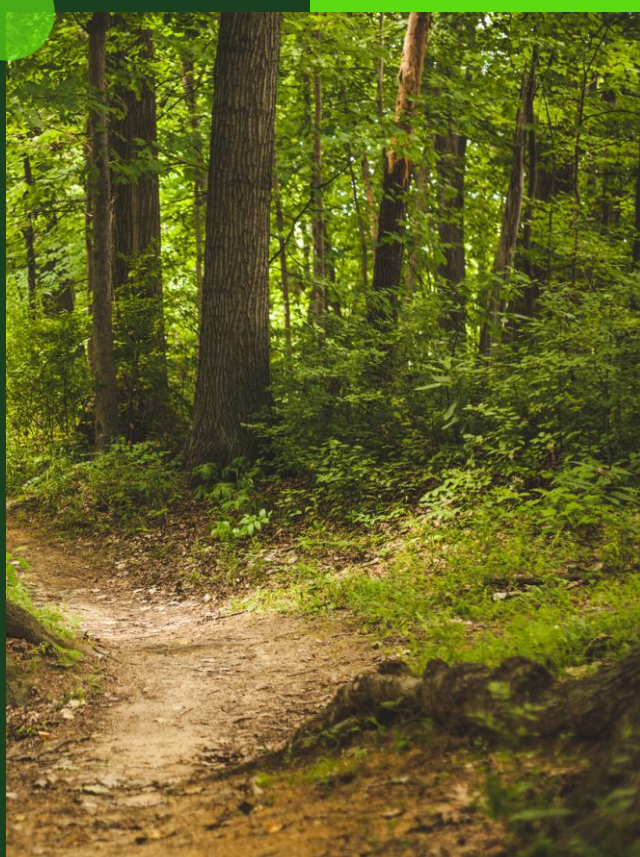
Working within our communities

TIIAME is committed to excellence in community-engaged teaching, research and innovation to advance human knowledge, improve and enrich lives, tackle global challenges and promote sustainability of the planet. We know that broad and deep collaboration is the key to success. Our goals, strategies and actions require strong working relationships across campus and with communities locally, nationally and globally. We will work with those communities and forge key partnerships to co-create positive change.

OUR COMMITMENT

Our vision

From our campus in the Tashkent region, people at TIAME work together on ambitious academic, social, cultural, economic, political, scientific and technical innovations and community solutions to solve social and environmental challenges, integrate climate solutions, justice and sustainability actions across all lands, waters and relationships.



GUIDING PRINCIPLES

TIAME Climate Action Plan 2030 is a path-based approach to our climate and sustainability targets, goals, strategies and actions. Our goals are evolutionary and interdependent; the success and potential impact of each is informed by the relationships among the others as well as by meaningful engagements within and beyond the university.

These principles guide the development and implementation of the Strategy:



We accept as the main plan to carry out extensive practical and theoretical research in the university, aimed at improving the environment and positively solving the existing problems, combining it with the existing experience and skills.



Innovation and excellence: We use the rich knowledge and experience of our experts in this research to create new developments to reduce environmental damage through the use of energy-saving tools.



Integration: We enhance and support collaboration across the campus community amongst people, departments and academic and research programs.



Climate justice and equity: We identify and shift cultural norms to advance and support justice, equity, diversity and inclusion. We recognize that there may be barriers to participating in climate action, especially as it relates to extended impact emissions.



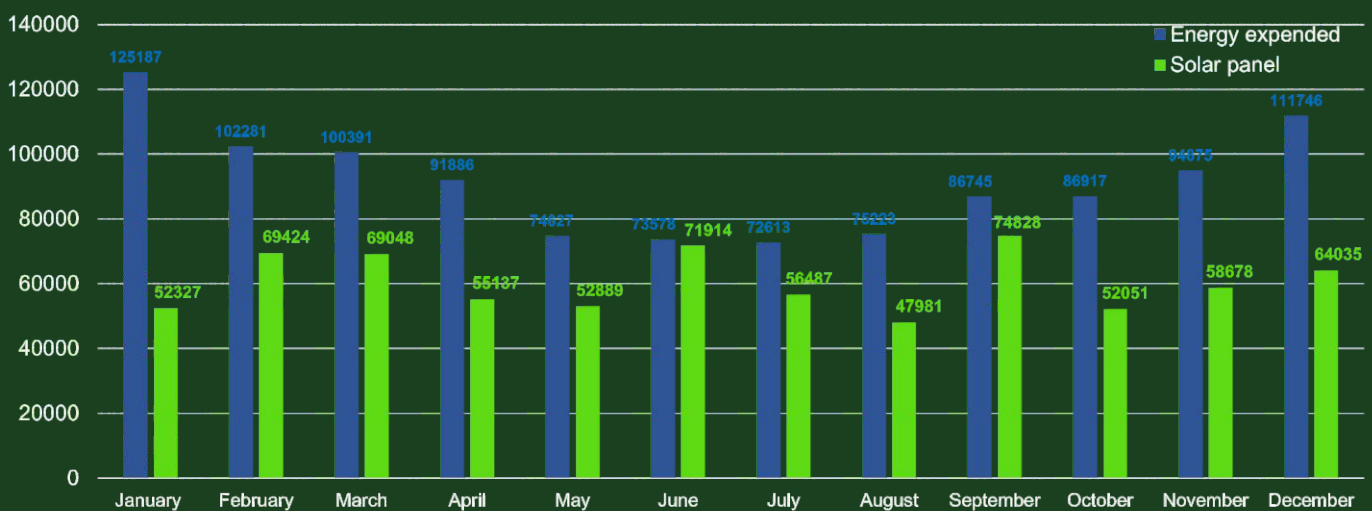
Community engagement: We engage the UVic community and external partners to develop and nurture mutually beneficial, inclusive and strategic partnerships that positively impact people and the planet. Community engagement and collaboration are fundamental underpinnings to achieve the Plan's goals.

Energy USE

In recent years, great work has been done at the university to reduce the use of electricity and gas due to the use of renewable energy sources. In particular, solar batteries have been installed on the territory of the university, and 22.6% of the electricity consumed today is obtained from these solar panels. Based on the CLIMATE ACTION PLAN, it is planned to produce all the electricity consumed in the university territory until 2030. In the graph below, we can see that energy consumption will decrease in 2020 and 2021.



Energy consumption for 2022(kW/h)



INTEGRATED INITIATIVES

To reach TIAME's vision for the Climate Action Plan 2030, three new initiatives will require effort and collaboration across campus.

The seedling project

In accordance with the plan to improve the climate and ecology of the university territory, a project has been developed, and in accordance with it, all necessary measures for beautification and greening of the university territory are implemented every year. The initiatives that will bring this strategic initiative project to life are:



Initiative 1:
Planting permanent flower seedlings in the university territory



Initiative 2:
Increase the planting of perennial ornamental trees



Initiative 3:
Maintenance of existing perennial ornamental trees

CAMPUS AS A LIVING LAB

Campus as a Living Lab (CLL) will be a university-wide program that coordinates academic research and teaching projects to use the campus and surrounding areas as a test-bed for students, staff and faculty to engage with, trial and advance real-world climate and sustainability solutions. CLL programs will be designed to encourage innovation, learning and exchange and to fulfill the aims of TIAME's strategic plans and policies.

These initiatives will drive the development of TIAME's Campus as a Living Lab program:

Initiative 4: Investigate, design and develop formal structures to create Campus as a Living Lab

Initiative 5: Integrate academic research and teaching with campus planning, operations and services to respond to climate and sustainability challenges

Initiative 6: Use the campus as a testing ground and exemplar of climate action and sustainability innovation

Initiative 7: Create opportunities for students and faculty to work with solution seekers from communities, government and industry for evidence-based decision making on equitable climate solutions, mitigation and adaptation projects

GOALS

Goal 1: Honour and respect the lands, water, air and all living things including the spiritual and interconnected elements of the earth with acknowledgement for the important relationship with local Indigenous Nations and Knowledge Systems

Goal 2: Uplift and amplify Indigenous voices within climate and sustainability conversations and actions both intergenerationally and in ways that reflect the diversity of Indigenous communities

Goal 3: Centre and uplift Indigenous Knowledge Systems in relation to climate change and sustainability



COOPERATION IN THE IMPLEMENTATION OF THE CLIMATE ACTION PLAN

In the implementation of Climate Action Plan, TIAME has established direct cooperation relations with the following local and regional republican-level government bodies, organizations and institutions, as well as NGOs.

1. Mirzo Ulugbek district administration
2. Bustonliq district administration
3. Urta-chirchik district administration
4. Tashkent city administration
5. Administration of Tashkent region
6. Scientific Research Institute of Environment and Nature Protection Technologies
7. Center for retraining and improving the skills of employees working in the field of environmental protection
8. Tashkent City Department of Ecology and Environmental Protection
9. State Committee for Ecology and Environmental Protection of the Republic of Uzbekistan
10. State Institution "Institute of Exploration of Geology of Oil and Gas Fields"
11. Ministry of Water Management of the Republic of Uzbekistan "Information-analysis and resource center"
12. Uzsuvtaminot JSC.

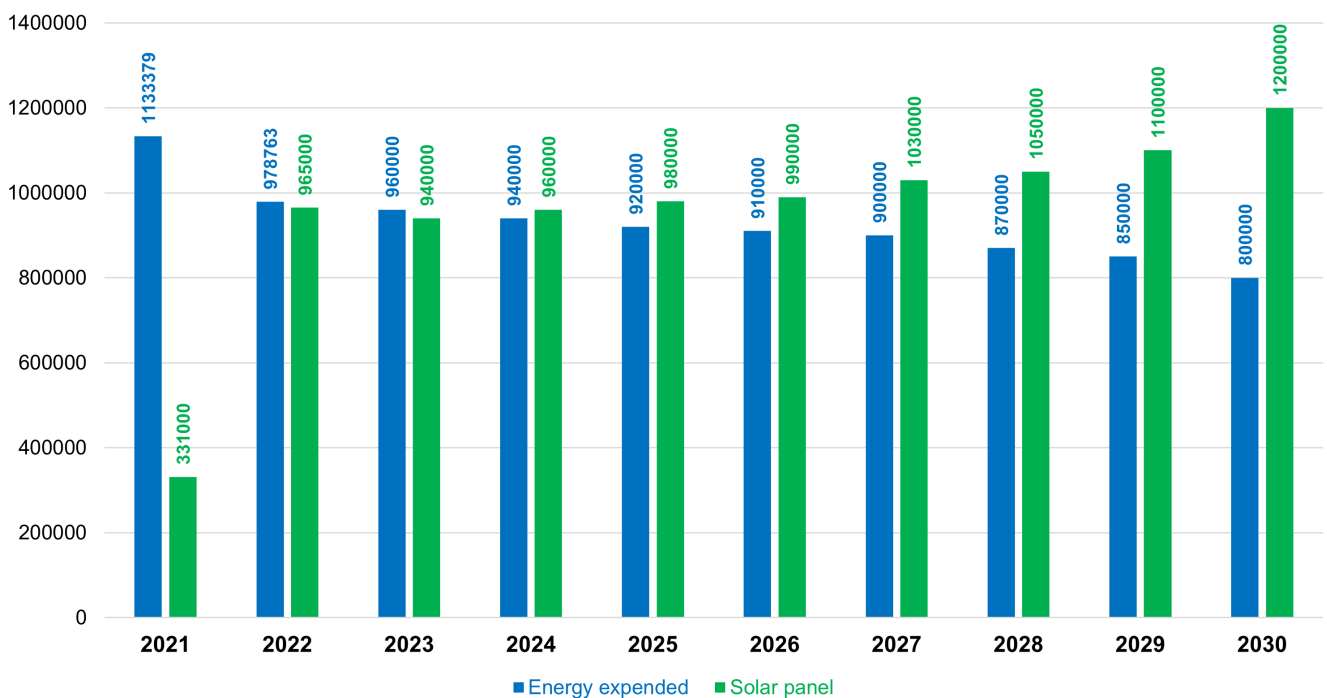


A PLAN TO TRANSITION TO A CARBON NEUTRAL UNIVERSITY

To achieve carbon neutral university status, TIIAME has developed a plan to cover its energy consumption entirely from solar panels by 2030, which will gradually install solar panels on campus. By 2030, it is planned to increase the amount of energy and bring it to current demand. The graphic below provides a brief description of this plan.



Energy recovery plan until 2030 (kW/h)





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