Annex to Resolution No. 57/IV/2024
of the Jagiellonian University Senate
of 24 April 2024

The Jagiellonian University 2030 Environment and Climate Strategy

Sustainable development, nature conservation and climate change mitigation are the most urgent challenges of the 21st century.

According to the Jagiellonian University 2030 Development Strategy (Objective V. point 4), the University responds to the global challenge of combating climate change and protecting environment through research and expert work, educational activity, purchasing policies, environment-friendly investment policies, decarbonizing infrastructure, developing green spaces and supporting low-carbon transport.

The Jagiellonian University collaborates with partner universities from the European University UNA Europa to promote sustainable development and confront such challenges as climate crisis or biodiversity decline, as well as to support energy transition solutions, to raise awareness and promote pro-climate behaviors of the academic community.

OBJECTIVE I: SAFE, SUSTAINABLE AND ACTIVE UNIVERSITY

I.1. Striving for the conditions in which implementing the mission of the Jagiellonian University imposes the lowest stress on climate and nature.

I.2. Creating a community plan for climate and nature.

I.3. Withstanding and adapting to climate change.

OBJECTIVE II: COST-EFFECTIVE, CLIMATE AND NATURE-FRIENDLY UNIVERSITY INFRASTRUCTURE

II.1 Moving towards low-carbon development and efficient energy consumption.

II.2 Supporting low-carbon academic mobility.

II.3 Developing green and blue University infrastructure.

OBJECTIVE III: RESPONSIBLE DAILY UNIVERSITY LIFE

III.1 Offering sustainable, healthy and tasty food.

III.2 Establishing responsible collaboration.

III.3 Supporting eco-friendly consumption and sustainable management.

OBJECTIVE IV: OPEN AND ACCESSIBLE SCIENTIFIC INFORMATION ON CLIMATE CHANGE

IV.I. Disseminating knowledge on environment and climate change.

IV.2 Promoting knowledge on environment and climate crisis.

IV.3 Establishing partnerships for climate and nature.

OBJECTIVE I: SAFE, SUSTAINABLE AND ACTIVE UNIVERSITY

I.1. Striving for the conditions in which implementing the mission of the Jagiellonian University imposes the lowest stress on climate and nature.

The Jagiellonian University impacts energy efficiency by reducing heat and electricity consumption in managing and maintaining its own resources.

The University will strive to achieve Objective I.1 by undertaking, among others, the following actions:

1. applying the "green office" principle in all the University units by storing documents electronically (apart from those documents that require printing), circulating documents through electronic systems, limiting the use of office equipment that is not indispensable in daily work (printers, scanners, fax machines, etc.),
2. monitoring resource consumption and greenhouse gas emissions to take action to reduce this consumption,
3. reducing energy consumption and preventing energy waste in all University organizational units.

I.2. Creating a community plan for climate and nature.

The Jagiellonian University as an academic community is engaged in a dialogue about the actions taken and their relevance to climate and nature conservation. This happens at the meetings, workshops and seminars aimed at raising climate and environment awareness, based on the research-informed results. As the outcome of the consultations, a detailed action plan up to 2030 is developed and updated.

The University will strive to achieve Objective I.2 by undertaking, among others, the following actions:

1. developing a detailed 2030 plan including its goals, expected results and performance indicators, action timeline, milestones, and the identification of the entities and persons responsible for its implementation,
2. implementing the detailed 2030 plan through management based on open dialogue and consultation of strategic decisions with the academic community,
3. monitoring and evaluating the actions adopted in the plan.

I.3. Withstanding and adapting to climate change.

The Jagiellonian University is adapting to the consequences of climate change.

The University will strive to achieve Objective I.3 by undertaking, among others, the following actions:

1. analyzing and forecasting the consequences of climate change to expand the register of risks for the University by those arising from climate change, as well as implementing mitigation and adaptation solutions,
2. introducing solutions to improve the safety of studying and working conditions under the circumstances of escalating extreme weather phenomena,
3. introducing solutions to protect functioning of the Jagiellonian University infrastructure in the conditions of escalating extreme weather events, and more specifically to secure archives, server rooms, libraries,
   and data storage facilities,
4. improving already existing and introducing new practices for functioning of the Jagiellonian University by sharing, where possible, space and equipment, adjusting working and teaching timetables, adjusting office equipment to meet digitization requirements, improving digital competencies and technical skills, and work organization to optimize energy consumption in relation to seasons and holidays.

OBJECTIVE II: COST-EFFECTIVE, CLIMATE AND NATURE-FRIENDLY UNIVERSITY INFRASTRUCTURE

II.1 Moving towards low-carbon development and efficient energy consumption.

The Jagiellonian University aims towards a condition where its activities are as little detrimental to climate as possible by monitoring energy consumption and energy conservation, including increasing the contribution of green energy in the energy balance.

The University will strive to achieve Objective II.1 by undertaking, among others, the following actions:

1. conducting regular energy audits of the buildings and infrastructure of the University, and continuous monitoring of the energy consumption,
2. increasing the contribution of electricity and heat from the University own renewable energy sources,

3. taking steps to offset greenhouse gas emissions by reducing energy and resource consumption, optimizing the use of buildings, refraining from investments in environmentally precious areas, and, where possible, extending and naturalizing green spaces.

II.2 Supporting low-carbon academic mobility.

The Jagiellonian University promotes and supports low-carbon transport business trips, access to public transport, bicycles, bike lanes, city bike stations, bike/car sharing systems and other environment-friendly transport solutions.

The University will strive to achieve Objective II.2 by undertaking, among others, the following actions:

1. promoting business trips by low emission means of transport to meet climate protection requirements,
2. promoting and supporting commuting to the University premises by public transport, which can be done, among others, through cooperation with the authorities of the City of Krakow to optimize the ticket offer and access to automatic ticketing machines, adjusting routes, frequency of transfers and location of stops (including Park & Ride) to the needs of the University community,
3. promoting and supporting access to the University by bike through the development of cycling infrastructure in the spaces outside the University, as well as cooperating with the authorities of the City of Krakow to develop and expand the system of cycling routes and footpaths,
4. facilitating sharing of parking spaces through their appropriate organization and parking rules.

II.3. Developing green and blue infrastructure of the University.

The Jagiellonian University creates and cares for the blue and green infrastructure by managing it in line with current knowledge on biodiversity conservation and adapting it to ongoing climate change and its consequences.

The University will strive to achieve Objective II.3 by undertaking, among others, the following actions:

1. developing and implementing a consistent spatial management policy taking into account climate and ecological context and by analyzing the demand for new University buildings and infrastructure, submitting proposals to the local authorities to improve the general plan for the municipality of Kraków, local spatial development plans, local revitalization plans, climate and ecological verification of planning documents for investments, and auditing the condition of existing buildings,
2. monitoring and preventing collisions of birds with glass surfaces on

the University grounds by, among others, developing avifauna-friendly specifications for buildings, including good lighting control practices,

3. creating new green infrastructure, such as: green walls and roofs where this is justified and technically and biologically possible, creating pocket parks, green spaces, flower meadows, taking into account the characteristics of the sites concerned,
4. setting up compost heaps to produce humus material to maintain the greenery and avoid transporting green waste over long distances,
5. gradually replacing established greenery with native species to protect biodiversity by planting large trees, shrubs and other pollinator-friendly vegetation, taking into account the characteristics of the sites concerned and blue and green infrastructure already existing at the University sites.
6. aiming for extensive lawn mowing on as much of the University grounds as possible and abandoning using flail mowers and leaf blowers,
7. introducing small retention solutions considering the specificity of sites by creating small reservoirs in natural land depressions, constructing drainage gullies, installing rainwater harvesting systems,
   reconstructing gutter outlets and connecting water tanks, eliminating unnecessary impermeable surfaces, creating rain gardens,
8. increasing the number of plants inside the University buildings, considering fire regulations, needs of allergy sufferers and eliminating peat,
9. developing and distributing educational boards explaining the importance of the blue and green infrastructure present at the University sites.

OBJECTIVE III: DAILY RESPONSIBLE UNIVERSITY LIFE

III.1 Offering sustainable, healthy and tasty food.

The Jagiellonian University increases the availability of plant-based and sustainably produced, local, and seasonal foods in the food and beverage offerings of the venues located on the University premises.

The University will strive to achieve Objective III.1 by undertaking, among others, the following actions:

1. expanding the range of wholesome plant-based meals made with local and seasonal products, ensuring the availability of vegetarian and vegan meals in the catering offer available at the University,

promoting the offer and labelling the food produced in a sustainable and local way, taking into account animal welfare,
2. designing solutions that will support the reduction of food waste in the University premises and composting the waste in accordance with the binding legislation,
3. facilitating access to drinking water at the University spaces by setting up, where possible, publicly accessible drinking water dispensers or taps with the information on the water potability, which would be offered also at the existing University water intakes,
4. creating, where possible and based on consultation with the academic community, so called community kitchens accessible to the entire University community,
5. applying the criterion of energy efficiency and offering nutritious, healthy food while selecting providers of automated food vending services,
6. using catering based on healthy, local, and seasonal food, ensuring that vegetarian and vegan dishes are also available.

III.2 Establishing responsible collaboration.

When selecting business partners, the Jagiellonian University takes into account aspects of climate and environmental ethics, such as where and how their goods are produced, the level of greenhouse gas emissions and of other pollutants identified during production, transport, and utilization.

The University will strive to achieve Objective III.2 by undertaking, among others, the following actions:

1. developing and implementing standards that are climate and environment responsible and communicating them to potential and existing partners,
2. describing the subject matter of a contract by specifying performance or functional requirements, including environmental requirements within the framework of the awarded public contracts,
3. purchasing goods (materials), products or services that meet certain levels of environmental and climate impact as part of the public contracts awarded,
4. striving for the elimination, wherever it is reasonable and possible, of single-use products, in particular plastic packaging, or ensuring their recycling when elimination is not possible, at all points of sale at the University; to this end cooperating with external partners, promoting reusing packaging and other reusable products,
5. applying tender selection criteria that would take into account the principles of sustainable development during the public procurement procedure, including criteria relating to the environmental aspects and energy efficiency of the subject of the contract.

III.3 Supporting eco-friendly consumption and sustainable management.

The Jagiellonian University actively supports the University community and all its organizational units in making eco-friendly choices and managing resources sustainably.

The University will strive to achieve Objective III.3 by undertaking, among others, the following actions:

1. using the least environmentally harmful products and services, within the framework of generally applicable legislation and on the basis of the research-informed results,
2. striving to minimize the consumption of paper products, in favor of recycled items,
3. developing and implementing good practices for economical copying and printing, reducing the circulation of paper documents in favors of using electronic solutions,
4. aiming to reduce the number of journals printed at the University in favour of their e-versions, promoting publishing eBooks by the Jagiellonian University Publishing House and making eBooks available at the Jagiellonian Library,
5. sensible designing and distributing of promotion materials; selecting materials that are aesthetically pleasing, durable, of good quality and, where possible, based on natural or recycled resources,
6. encouraging collaboration between the University units, which would involve sharing reusable materials,
7. developing and implementing good practices aimed at reducing single-use plastic products in research work and in teaching,
8. improving the waste separation system.

OBJECTIVE IV: OPEN AND ACCESSIBLE SCIENTIFIC INFORMATION ON CLIMATE CHANGE

IV.I. Disseminating knowledge on environment and climate change.

The Jagiellonian University is committed to expanding and disseminating accurate and up-to-date knowledge on climate change and the global ecological situation today, as well as on resulting challenges and actions.

The University will strive to achieve Objective IV.1 by undertaking, among others, the following actions:

1. designing and making available an online course based on research-informed results, which, in an accessible way, introduces the issue of the ongoing environment and climate change, and explains the

assumptions and objectives of the Jagiellonian University 2030 Environment and Climate Strategy,
2. designing, updating, and making available training programs about the characteristics, mechanisms and consequences of the ongoing environment and climate change as well as mitigation and adaptation measures; promoting courses and trainings on climate change among the University community,
3. supporting the University units in their effort to develop course offerings on climate change and its consequences, which would be tailored to the educational needs of target groups,
4. supporting systematic education about making eco-friendly everyday decisions and choices,
5. disseminating knowledge on the transformation of the energy sector in Poland and on the benefits and risks of implementing green technologies, including nuclear energy.

IV.2 Promoting knowledge on environment and climate crisis.

The Jagiellonian University supports open dissemination of scientific knowledge on ongoing climate change and biodiversity loss in such a way that is accessible to the public.

The University will strive to achieve Objective IV.2 by undertaking, among others, the following actions:

1. disseminating reliable information on the current ecological condition of ecosystems and climate; counteracting the spread of misinformation by engaging the University in the events disseminating well-grounded knowledge accessible also to public,
2. organizing and promoting events that communicate up to date scientific information on the ecological and climate crisis,
3. supporting members of the University community in their efforts to disseminate knowledge on the environment and climate crisis,
4. providing training to persons involved in disseminating up to date knowledge on the environment and climate crisis in the region.

IV.3 Establishing partnerships for climate and nature.

The Jagiellonian University interacts as an academic community for the benefit of climate and nature with the local community and local government, national authorities, and international institutions.

The University will strive to achieve Objective IV.3 by undertaking, among others, the following actions:

1. cooperating with local, regional, national, and foreign scientific institutions in conducting research on climate change and environmental issues, as well as in creating public policies in this regard; developing practices aimed at climate neutrality and shaping

a positive impact of universities and scientific institutions on climate and environment,

2. supporting the development and implementation of climate policies at local, national, and international levels, which are formulated according to evidence-based public policy principles,
3. disseminating knowledge on energy technologies of nuclear reactors,
4. educating specialists in the field of renewable and nuclear energy,
5. cooperating with economic entities responsible for creating and implementing a decarbonized energy mix in Poland in dissemination of expert knowledge and commercial services in this field,
6. cooperating with climate and nature conservation initiatives, and civil society organizations, such as: NGOs, urban movements, or grassroots initiatives,
7. cooperating with business entities and public administrations in the field of applied research on mitigation, resilience, and climate adaptation,
8. updating the Climate Council database of projects and initiatives aimed at reducing negative impacts on climate and nature and adapting to climate change,
9. creating conditions that would facilitate engagement of persons working and studying at the University in research and disseminating knowledge, and in debate about climate and nature.