



## Climate Action plan 2021-2025

The climate changes overall the world has resulted in clear impact on the ecosystem and consequently on the humanity. The impacts varied to different aspects that included the food security, the access to save drinking water and health issues. The impact of the climate changes is currently easier to monitor due the advancement of the monitoring stations and satellites that provide accurate measurements of the earth temperature, warm gases concentrations and the rate of raining over the earth different areas. Jordan among the countries that implemented different steps to mitigate the side effects of the climate changes on the people and also to take active part in reduction of the emission of warm gases to the environment.



Mutah University has adopted several executive steps that serve the national strategy against the climate changes. Mutah university current strategic plan 2021 – 2025 aimed to take actions to reduce the impact of the climate changes and its consequences that included funding research projects and giving workshops aimed at reducing the emission of warm gases, shifting to the Photovoltaic (PV) energy, reduction of the diesel usage and reduce the generated waste. During the past two years, Mutah University has been able to develop a solar energy system to supply all university facilities with electricity, it also augmented the planting of trees within the university campus that resulted in 70 % of the campus is green. The current climate action plan is extracted from the University strategic plan 2021-2025.



Mutah University

## Goal No. 2

**Mutah University strategic plan 2021-2025**

**Develop scientific research capabilities, scholarships and creativity in accordance with national, regional and global scientific research priorities**



## Subgoal A Enhance the scientific research to mitigate the climate changes consequences

Strategy	Action	Responsible	Funding source	Time	KPI	Notes
Promoting the role of scientific research to support the community needs	2.1 Promote the research in subjects related to the UN sustainability development goals SDG13, SDG12, SDG11, SDG7	<ul style="list-style-type: none"><li>• Deanship of scientific research</li></ul>	Annual research fund plan ( 100 000 JOD)	2021-2025	Number of publications at each SDG per year	
Spreading awareness	2.2 Spreading the awareness of climate change consequences	<ul style="list-style-type: none"><li>• Deanship of scientific research</li></ul>	1000 JOD	2021-2025	<ul style="list-style-type: none"><li>• One workshop per semester for public ( 50 attendees at least )</li></ul>	



Mutah University

## Goal No. 5

**Mutah University strategic plan 2021-2025**  
**Develop the efficiency and effectiveness of the University's human, financial and material resources in line with global best practices.**



### Subgoal A Reduce the use of fossil fuels

Strategy	Action	Responsible	Funding source	Time	KPI	Notes
Promoting the sustainability in resources (university executive plan 2021-2025)	1.1 Use of solar energy as a source of electricity	University president University dean council	The project is a gift from the European and UAE partners	Strategic plan 2021-2025	<ul style="list-style-type: none"> <li>Megawatt production per year</li> <li>Contribution % to university consumption</li> </ul>	Mutah has launched the first stage of its solar energy project to produce 5 MWe satisfying 80% of its needs of electricity.
	1.2 Reduction of the use of diesel in for the buildings	<ul style="list-style-type: none"> <li>Vice-president for administrative affairs</li> </ul> The Maintenance Department	University budget	Strategic plan 2021-2025	<ul style="list-style-type: none"> <li>Liters of diesel consumed per the square meter of buildings</li> </ul>	
	1.3 Shift to use of electricity derived cars	<ul style="list-style-type: none"> <li>Vice-president for administrative affairs</li> <li>The transportation department</li> </ul>	400000 JOD	Strategic plan 2021-2025	<ul style="list-style-type: none"> <li>Number of buses operated by electricity</li> </ul>	



Strategy	Action	Responsible	Funding source	Time	KPI	Notes
Promoting the sustainability in resources (university executive plan 2021 2025)	1.4 Increase the efficiency of isolation in building	<ul style="list-style-type: none"> <li>• Maintenance department</li> </ul>	400000 JOD	Strategic plan 2021-2025	<ul style="list-style-type: none"> <li>• Number of renovated isolated buildings</li> </ul>	
	1.5 Increase the green blankets on the university campus	<ul style="list-style-type: none"> <li>• Department of Horticulture</li> <li>• Faculty of agriculture</li> </ul>	20000 JOD	2021 2025	<ul style="list-style-type: none"> <li>• New trees planted withing the campus</li> </ul>	
	1.6 Reduction of clean water consumption	<ul style="list-style-type: none"> <li>• Department of maintenance</li> </ul>	10000 JOD	2021 2025	<ul style="list-style-type: none"> <li>• Rate of consumption per capita per year</li> </ul>	
	1.7 Reduction of the elasticity consumption	<ul style="list-style-type: none"> <li>• All university deanships</li> <li>• Department of maintenance</li> </ul>	5000 JOD	2021 2023	<ul style="list-style-type: none"> <li>• Number of installed electricity meters for old buildings</li> </ul>	



	in offices (campus)				<ul style="list-style-type: none"><li>• Annular electricity consumption report</li></ul>	
	1.8 Replacement of the conventional lamps with LED lamps	<ul style="list-style-type: none"><li>• Department of maintenance</li></ul>	10000 JOD	2021 2025	<ul style="list-style-type: none"><li>• Number of replaced lamps at the campus</li></ul>	

#### References

- 1- Mutah University strategic plan, 2021 2025. <https://www.mutah.edu.jo/Pages/StrategyPlan.aspx>
- 2- Mutah University action plan, 2021 2025 , <https://www.mutah.edu.jo/Pages/ActionPlan.aspx>
- 3- Sustainability report, Mutah university, 2018 – 2020 [https://www.mutah.edu.jo/ar/research/Documents/Sustainability%20REPORT 2018-2020.pdf](https://www.mutah.edu.jo/ar/research/Documents/Sustainability%20REPORT%202018-2020.pdf)
- 4- Suitability report, Mutah University, 2021, [https://www.mutah.edu.jo/ar/research/Documents/Sustainability%20REPORT 28 Nov 2021 draft 2%20%281%29.pdf](https://www.mutah.edu.jo/ar/research/Documents/Sustainability%20REPORT%2028%20Nov%202021%20draft%20%281%29.pdf)
- 5- Climate action SDG13 in Jordan, <https://jordan.un.org/index.php/en/sdgs/13>