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## Key Performance Indicator (KPI) for Sustainability & Development-makers Center (SDMC).

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What to Measure	How to Measure	How Often to Measure	Report To	Current Performance	Target	Supporting Evidence	Remarks
<b>Campus Development</b>	Transformation of GU building toward sustainability:	Progression, reporting and continuous follow-up.	SDMC / QADC / University Management Level. UI Green Metric	Green Campus: increase green areas/Green constructions/Greenhouse (local production), GU Green Roof Project.	360° Campus: From “Cradle to Grave” To “Cradle to Cradle” Campus -GU main building Green Roof. -Proposed - Fabric Facade Project(testing, analysis, simulation, experiments, validation software...ext.); the proposal presented by the Netherlands consultant partner, -Proposed - Ongoing Green corridors. -Proposed - Greenhouses between the Design Studios. -Proposed - Ongoing Green Roof Project. -Proposed - Ongoing Main Entrance Green Lobby. -Make the GU building landmark in the surrounding socio-cultural environment. -Develop new architectural style more attractive and sustainable to increase the number of registered students.	Redesigned ratio between built areas and green areas, as following: 1.Main building area : 1407 m <sup>2</sup> 2.Design Studios : 239 m <sup>2</sup> 3.Open area : 2103 m <sup>2</sup> 4.Green cafe: 172 m <sup>2</sup> 5.Green area: 331 m <sup>2</sup> 6.Green Construction:80m <sup>2</sup> 7.Green House: 80m <sup>2</sup> 8.Football playground: 808 m <sup>2</sup> 9.Car parking 1 ( area = 4140 m <sup>2</sup> ) ( car parking capacity = 174 ) 10.Car parking 2 ( area = 4500 m <sup>2</sup> ) ( car parking capacity = 163) -Relevant studies, technical installations, and implementation in-progress	Refer to SDMC activities, Action Plan and Progression report for UI Green Metric -World University Rankings
<b>Workplace Enhancement</b>	-Initiatives for workplace enhancement and redesign towards users' wellbeing, collaborative work and	Progression, reporting and continuous follow-up.	SDMC / QADC / University Management Level UI Green Metric	-SDMC awareness-raising campaign focused on all campus habitants about areas relevant to workplace enhancement.	-Daylight entrance optimization for all spaces, energy efficiency and natural ventilation, fabric façade to enhance facade	-Consider the potential to save up to 50% on energy costs for lighting, and related CO2 emission	Refer to SDMC activities, Action Plan and Progression report for UI Green

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	organizational management efficiency. -Consider Daylight Autonomy (DA) and Useful Daylight Illuminance (UDI) at work. Natural light improves our motivation in the workplace			-Increasing number of open spaces with daylight optimization and energy efficiency and creating multipurpose informal learning environments -GU FabLab for innovative and creative projects relevant to sustainability	heat transfer, thermal insulation and indoor air quality.	-Relevant studies, technical installations, and implementation in-progress	Metric -World University Rankings
<b>Energy Management</b>	-Energy efficiency management.	-Progression, reporting and continuous follow-up.	SDMC / QADC / University Management Level UI Green Metric	-Skylights for Design Studios + Solar Panels for energy efficiency. -Lighting sensors for whole GU main building. -Photometric sensors and windows' actuators for daylight optimization.	-Optimizing energy efficiency, designing efficient daylighting systems, developing water recycling solutions and considering "GU building" life cycle assessment based on scientific research.	-Relevant studies, technical installations, and implementation in-progress	Refer to SDMC activities, Action Plan and Progression report for UI Green Metric -World University Rankings
<b>Water Recycling</b>	-Water management and Grey water Tanks.	Water consumption/Water recycling ratio	SDMC / QADC / University Management Level UI Green Metric	-Water recycling solutions; self-watering systems for GU green areas.		-Relevant studies, technical installations, and implementation in-progress	Refer to SDMC activities, Action Plan and Progression report for UI Green Metric -World University Rankings
<b>Waste Reduction</b>	-Solutions for Recycling.	-Waste management and waste sorting.	SDMC / QADC / University Management Level	-Inventory analysis and waste sorting solutions	-Compactors + Composters designed and produced using recycled materials at GU. -The "Objects' Clinic" at GU, for products' life cycle extension. -Transport: "GU Carpooling Mobile App".	-Relevant studies, technical installations, and implementation in-progress	Refer to SDMC activities, Action Plan and Progression report for UI Green Metric -World University Rankings
<b>Environmental Initiatives &amp; Innovative Projects</b>	-Life Cycle Assessment approach for whole GU infrastructure and facilities -Participation to local and international competitions/events relevant to sustainability.	-Assessing continuously campus GWP and carbon footprint.	SDMC / QADC / University Management Level UI Green Metric	-New life for 50 computers for internal use / donation. -Nonprint Campus.	-Reduced campus GWP and carbon footprint.	-Relevant studies, technical installations, and implementation in-progress	Refer to SDMC activities, Action Plan and Progression report for UI Green Metric -World University Rankings

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	-Creative ideas and innovative in-campus projects.						
<b>Impact on Community</b>	-Level of community involvement in GU sustainability strategic vision/ SDMC activities	-Developing communication, actions, activities and interdisciplinary workshops focused on local communities	SDMC / QADC / University Management Level	-Participation to local and international actions, competitions/events relevant to sustainability engaging local communities in a collaborative way.	-Effective involvement of local communities in GU sustainability vision and actions.	-Relevant studies, technical installations, and implementation in-progress	Refer to SDMC activities, Action Plan and Progression report for UI Green Metric -World University Rankings
<b>Engaging Campus Habitants in Decision Making</b>	-Engaging students council in decision making and collaborative project -Engaging staff in initiatives at different levels	-Progression, reporting and continuous follow-up.	SDMC / QADC / University Management Level UI Green Metric		-Provide a positive impact of the campus interior environments on the wellbeing and comfort of both staff and the students	-Relevant studies, technical installations, and implementation in-progress	Refer to SDMC activities, Action Plan and Progression report for UI Green Metric -World University Rankings
<b>Sustainability in Education</b>	-Encouraging research and co-research projects relevant to sustainability involving instructors and students / Target for number publications. -Sustainability course for all programs at GU; as general course for Human Resources, Business, Accounting, Media, Interior Design Engineering supporting group work/interdisciplinary approaches for collaborative projects. -03 courses relevant to Sustainability for IDE program; Sustainability Engineering & Design and Smart & Sustainable Interiors.	-Total of projects, initiatives and research funds dedicated to sustainability research - Partnerships and Co-development of the required testing & experiments and validation of the projects. -Proposed ideas for the technical installations and feasibility studies. -Local and international Collaborations on the implementation phase and research on relevant engineering processes. -Publish research based on the implemented processes, selected projects, and employed sustainable solutions.	SDMC / QADC / University Management Level UI Green Metric	-Entrepreneurship & Innovation (projects, courses, local, regional and international collaborative projects). -Research on Green HR. -Range of staff professional development activities relevant to sustainability.	-Creating a scientific value for the statistic data available about the implemented solutions for thermal insulation, cooling loads & natural ventilation, insulating materials currently used at GU buildings, and self-sufficiency solutions. -Real sustainable practice implementation on the campus facilities and build environments. -Supporting research collaboration at institutional levels (initiated research collaboration with Brunel University – UK).	-The ratio of sustainability courses to total courses/subjects/programs -The number of scholarly publications on sustainability -Number of student organizations related to sustainability -Sustainability website address -Sustainability report	Refer to SDMC activities, Action Plan and Progression report for UI Green Metric -World University Rankings
<b>Sustainability Rating and University Environmental Ranking</b>	UI Green Metric – World University Ranking	Project Submission in-progress.	International Consultancy/ SDMC / QADC / University Management Level	Achieving actions, covering indicators, and finalizing report	GU - UI Green Metric – World University Ranking	Progression report & Action plan	Refer to SDMC activities, Action Plan and Progression

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			UI Green Metric				<p>report for UI Green Metric -World University Rankings, as following:</p> <ul style="list-style-type: none"> <li>-January 2021: Preliminary Studies/Process &amp; Action Plan.</li> <li>-February and March 2021: Data Collection/ Data Treatment/ Actions/ Green Campus Projects Implementation &amp; Production.</li> <li>-April 2021: Draft Development / Pre-Review / Consultancy.</li> <li>-May 2021: Initial Review/ Final Review &amp; Submission.</li> </ul>