UNIVERSITY OF OUM EL BOUAGHI

Report on the United Nations Sustainable Development Goal 13: Climate Action

ABSTRACT

This report illuminates the University of Oum El Bouaghi, Algeria's efforts in working towards the realization of SDG 13: Climate Action.



Introduction: SDG 13 Climate Action 2025

This 2025 edition presents the University of Oum El Bouaghi's climate-action evidence across energy use, education, institutional planning, public-sector cooperation, and carbon management. Quantitative energy figures are drawn from the university's UI GreenMetric annual evidence.

The evidence combines annual electricity and solar-generation figures with documented education programs, cooperation agreements, and institutional climate commitments.

13.2 Energy Use and Low-Carbon Generation

13.2.1 Measuring Electricity and Solar Generation

UI GreenMetric evidence records annual electricity consumption of 2,200,426 kWh and on-campus solar generation of 6,500 kWh. The university reports these indicators through its annual energy records.

Solar generation equals 0.295% of the reported electricity use.

13.2.2 Annual Energy Indicators

- **Total electricity used: 7,921.53 GJ (2,200,426 kWh)**
- **Low-carbon solar generation: 23.40 GJ (6,500 kWh)**

Calculation: 1 kWh = 0.0036 GJ. Solar share of electricity use: 6,500 ÷ 2,200,426 × 100 = 0.295%.

13.3 Climate Education, Planning, and Partnerships

13.3.1 Climate Education and Training

The university's evidence includes academic programs in ecology and environmental science and practical photovoltaic training. The training material covers solar-cell operation, system design, installation, energy storage, and maintenance, linking climate education with renewable-energy skills. GreenMetric form 6.16 also lists EcoWrite (recorded as established in 2025), a student-led prototype using recycled paper and agricultural residues for sustainable stationery and cellulose-based materials, and NabaTech (recorded as established in 2023), focused on urban agriculture, native-plant propagation, and water-efficient irrigation. These are project-level examples relevant to circular materials and climate adaptation; the source does not quantify greenhouse-gas reductions or adaptation outcomes.

13.3.2 Climate Action Plan and Local Collaboration

The university describes a Climate Action Plan developed with local authorities and community groups, including the Provincial People's Council. Its priorities include climate-risk awareness, climate education and research, local workshops, and coordination with the Oum El Bouaghi Environmental Directorate. The Rector's participation in Council sessions is cited as evidence of engagement with local government.

Plan priorities

- Raise awareness of climate impacts and strengthen mitigation and adaptation.

- Assess regional climate risks and potential effects on university operations.
- Objectives
    - Increase climate awareness among university members and local communities.
    - Reduce environmental impacts and strengthen institutional sustainability.
    - Integrate climate education and research into academic programs.
- Planned actions
    - Organize awareness campaigns and workshops.
    - Integrate climate topics into academic programs.
    - Conduct research on regional climate impacts.
    - Coordinate with local authorities and community groups on adaptation.
- Public-sector coordination
- The plan identifies the Oum El Bouaghi Environmental Directorate as a partner.

Monitoring and reporting

The plan describes monitoring implementation, evaluating progress, and reporting activities to partners and the public.

13.3.3 Cooperation Relevant to Climate-Related Risks

- The university documents formal agreements with the Center for Scientific and Technical Research on Arid Regions (CRSTRA) and the Ministry of Agriculture and Rural Development. These partnerships provide a basis for research and public-sector cooperation relevant to regional climate resilience.
- 13.3.4 Engagement with Local and National Authorities

The university's evidence records the Rector's participation in Provincial People's Council sessions and representation in the National Economic, Social and Environmental Council. It also identifies participation in the Energy Cities Algeria network. These channels support dialogue with public authorities on environmental and energy-transition issues.

13.3.5 Environmental Partnerships and Adaptation

The university documents cooperation with the Oum El Bouaghi Directorate of Environment and the Conservation des Forêts. These public environmental partners support local environmental management and forest stewardship relevant to climate adaptation.

13.4 Carbon-Neutrality Commitment and Emissions Reporting

The university's published SDG 13 report states 2035 as its expected carbon-neutrality date. UI GreenMetric form 2.10 separately records a public net-zero commitment and a Scope 1 and Scope 2

emissions-reduction target by 2050. The university's Carbon Emissions Reporting document identifies the GHG Protocol Corporate Standard for emissions reporting.

The published carbon-neutrality date and the GreenMetric Scope 1 and Scope 2 reduction target are distinct milestones in the supplied evidence.

The 2025 evidence presents a measurable energy baseline, a recorded solar contribution, climate-related education, a stated action plan, and public-sector partnerships. Progress toward the 2035 neutrality date should be assessed through a consistent emissions inventory, interim milestones, and periodic reporting. The separately recorded 2050 Scope 1 and Scope 2 reduction target should be monitored as its own milestone.

Sources and Supporting Evidence

- UI GreenMetric Energy and Climate Change evidence forms 2.6, 2.8, and 2.10.
- Practical Training on Photovoltaics; academic programs in ecology and environmental science; UI GreenMetric sustainability-startups evidence form 6.16 (EcoWrite and NabaTech project descriptions and recorded dates).
- Agreements with the Center for Scientific and Technical Research on Arid Regions, the Ministry of Agriculture and Rural Development, the Oum El Bouaghi Directorate of Environment, and the Conservation des Forêts.
- Membership in the National Economic, Social and Environmental Council; university participation in Provincial People's Council sessions.
- Carbon Emissions Reporting; University SDG 13 report stating the 2035 carbon-neutrality target.