# SDG 13: Climate Action




## Environmental Stewardship

In support of SDG 13: Climate Action, Tarlac Agricultural University (TAU) continues to take active steps toward building climate-resilient communities through environmental programs, education, and partnerships.

The university regularly leads clean-up drives, the LuntianTAU program, and tree-planting and seedling distribution activities in partnership with local government units such as MENRO Paniqui. These efforts help restore ecosystems, protect biodiversity, and encourage community involvement in caring for the environment. Bamboo planting initiatives also support climate action by helping absorb carbon and rehabilitate degraded land.

TAU also focuses on climate-smart agriculture through training programs on climate-resilient rice technologies. These help farmers adapt to changing weather conditions while maintaining food production. Projects like the Vegescape Garden further demonstrate practical, sustainable food production systems.

Beyond environmental protection, the university also builds preparedness for disasters. Its involvement in disaster response challenges, DRRM dialogues, and Incident Management Team activities reflects its commitment to safety and resilience. Programs such as Bayanihan at TAU highlight the importance of community cooperation during emergencies.



# SDG 13: Climate Action

TAU also contributes to environmental dialogue by engaging in events like the Green State of the Nation Address (Green SONA), helping raise awareness on climate issues and sustainability policies. Recognition from institutions such as DENR Central Luzon further affirms the university's efforts in environmental stewardship.

Through these efforts, TAU continues to help communities become more prepared, more aware, and more resilient in the face of climate change.

## Programs/Activities

### Annual Bamboo Planting in TAU's 655-Hectare Forest Reserve




Tarlac Agricultural University held its yearly bamboo planting activity in its 655-hectare forest reserve in Sitio Titi Calao, San Jose, Mayantoc, Tarlac. The project is part of the university's ongoing commitment to environmental responsibility through the establishment and maintenance of vegetation in its forest reservation.



# SDG 13: Climate Action

In relation to SDG 13, the activity contributes to nature-based climate action by contributing to the restoration of vegetation and ecological functions of forest ecosystems. Bamboo is a fast growing plant and when properly established and maintained it can absorb atmospheric carbon dioxide and contribute to carbon storage. The activity also helps to protect ecosystems which is important in increasing the ability of natural habitats to cope with pressures from climate change.

With this initiative TAU shows how university-managed forest sites can be important places for environmental conservation, for climate action and for experiential learning.

## Climate Fresk during the SDG Congress




TAU hosted the Climate Fresk activity as part of its SDG Congress on November 13, 2025 . It is an interactive educational approach that allows participants to grasp the scientific bases of climate change, and the interconnected relationships between its causes, consequences and possible solutions.

The activity contributes directly to SDG 13 by increasing climate change awareness and literacy among members of the university community. Through the provision of climate science in an interactive and collaborative learning environment, participants are encouraged to identify the implications of climate change and appreciate the significance of sound decision-making and collective action.



# SDG 13: Climate Action

TAU further strengthens the idea of making the higher education sector play a major role in ensuring that students and other stakeholders develop a more environmentally conscious attitude through climate change learning exercises like the one discussed above.

## International Research and Knowledge Exchange – TropAg 2025




The involvement of Ms. Aira F. Waje, who is the Director of the Root Crops Research and Training Center, as one of the recipients of the Learn program offered by the Australian Centre for International Agricultural Research (ACIAR) contributed to the global connections that TAU has made in academics and research. In line with this, she attended TropAg 2025 as well as academic and research activities at the University of Queensland, Australia on November 10 - 15, 2025.

The project underlines the significance of international research experience and sharing of knowledge in enhancing the capabilities of the university to face the new challenges in agriculture and environment. In relation to SDG 13, the opportunities may be useful in developing knowledge about climate resilient agriculture, crop sustainability and adaptation in agriculture, so long as the findings of the researches are used in these fields.

This participation will offer TAU the chance to develop and reinforce international networks in terms of conducting research that will help address climate change challenges in agriculture.

