

# NATIONAL TAIWAN UNIVERSITY

## Principles for Campus Biodiversity

December 5, 2024 Passed by the 9<sup>th</sup> NTU Sustainable Development Promotion Committee Meeting

National Taiwan University (hereinafter NTU) campus boasts rich landscapes and biodiversity. To preserve this thriving ecosystem, the university aligns with the United Nations Sustainable Development Goals (SDGs) and fulfills its responsibility to safeguard campus biodiversity through teaching, research, governance, and social engagement. This regulation has been established to strengthen the university's commitment to campus biodiversity.

### **Article 1    Campus Ecosystem Management**

1. Identify and monitor species through conducting Campus Biodiversity Survey regularly. Set up campus biodiversity database and implement improvement measure when species diversity or abundance decline. Method and result from the Campus Biodiversity Survey should be published online, and be the basis for formulation the Campus Biodiversity Strategy & Action Plan.
2. Prioritize the conservation and restoration of native plant species and ensure healthy habitats for native species.
3. Formulate management and removal plans targeting invasive species on land and in water, reducing the impact to campus biodiversity.
4. Prohibit feeding of stray and wild animals to reduce human impact on the ecosystem balance.

### **Article 2    Campus Landscape and Infrastructure Planning and Management**

1. During the planning and design stages of major construction and landscaping projects, NTU shall assess their impact on biodiversity, emphasizing the symbiosis of the local ecological characteristics with the built environment.

2. Green infrastructure practices, such as rain gardens, green roofs and permeable pavements, will be utilized to enhance habitat connectivity, manage stormwater and promote biodiversity within built environments, where possible.
3. Reduce the impact toward the ecosystem while providing safe, bright and artistic lighting at building entrance and sidewalks.
4. Plantation shall prioritize considering the use of diverse native and nectar source plant species. Develop a multi-layered campus forest landscape, while minimizing the use of pesticides and chemical fertilizers harmful to biodiversity.
5. Monitor and maintain the water quality of campus water environments regularly, and install water quality improvement equipment to preserve aquatic ecosystems.
6. Install bird strike prevention measure to reduce the fatality of bird strike.

### **Article 3    Biodiversity Education and Promotion**

1. Encourage the integration of biodiversity knowledge and practices into various courses to enhance awareness among faculty and students, hence, building capacity for conservation actions. Encourage faculty and student clubs to engage in research and solution-finding on campus biodiversity issues.
2. Incorporate biodiversity into campus tours to help visitors learn the terrestrial and aquatic flora and fauna, the campus ecosystem and the importance of their conservation. Promote National Taiwan University Museums which exhibit biodiversity specimen and literature.
3. Install campus ecosystem interpretative signs to provide information on the ecology of terrestrial and aquatic species, guiding the public to learn about species, their habitat requirements, and the significance of conserving them. Prohibit animal feeding and releasing to reduce conflicts between humans and wildlife.

#### **Article 4    Biodiversity Innovation and Research**

1. Support interdisciplinary research projects focused on biodiversity and conservation, fostering collaboration among colleges, research centers, and industry-government-academic partners.
2. Actively participate in inter-university and international biodiversity research networks to share knowledge in the field of biological sciences and contribute to innovative research in biodiversity and conservation.

#### **Article 5    Biodiversity Social Engagement**

1. Support participation in international biodiversity networks and conferences to follow the global trend on campus biodiversity and collaborate with international partners on biodiversity initiatives and actions.
2. Support partnership with neighboring communities to jointly preserve ecosystem surrounding the campus and enhance residences' awareness on biodiversity. Provide NTU campus for neighboring school as their Environmental Education Facility and Field, thereby fulfilling the mission of University Social Responsibility.