

NYCU SDG Tracker

Anniversary Documentary “Bamboo: Sustainability” — A Dialogue on Bamboo, Carbon Reduction, and Future Architecture

During the university's anniversary celebration, the Communication and Outreach Division of the Institutional Research and Big Data Center at National Yang Ming Chiao Tung University (NYCU) released the documentary “Bamboo: Sustainability.” The film focuses on the role of bamboo in carbon reduction, sustainable architecture, and social engagement, featuring Professor Pei-Hsien Hsu from the Institute of Architecture. It highlights his long-term dedication to bamboo architecture, green design, and community collaboration, showcasing the university's active commitment to sustainability.



Through on-site footage and in-depth interviews, the documentary captures how Professor Hsu uses bamboo as a renewable, low-carbon building material, leading students in hands-on projects that integrate University Social Responsibility (USR) with community participation and local revitalization. Viewers witness innovations in structural design and joint construction techniques, along with the positive social impacts these projects bring — embodying the fusion of technology and humanistic values.

NYCU SDG Tracker

“Bamboo: Sustainability” is not only an anniversary feature film but also an invitation to reflect on the future of the environment, architecture, and urban development. Bamboo represents both a continuation of traditional craftsmanship and a pathway toward low-carbon and circular design. The documentary seeks to inspire resonance among faculty, students, alumni, and the public, encouraging cross-disciplinary efforts toward eco-friendly research and practice.



Looking ahead, the research center will continue to use visual storytelling as a bridge between the university and society, promoting sustainable ideals and positioning bamboo as a symbol of nature, technology, and the future of low-carbon living.



Watch here: <https://www.youtube.com/watch?v=vh5JuKdU0Qk&t=46s>