

ASAFAS Special Seminar

2023/7/21 16:00-17:30
Research Building No.2, AA447

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2022-2023 Fulbright Scholar at Universitas Udayana, Indonesia)



Ecosystems and Agroforestry: Hawaii and Other Tropical Islands

Natural ecosystems are under increasing pressure from growing human populations and changes in material consumption across the tropics. Anthropogenic disturbances, including global warming, biodiversity loss, and decreases in forest cover threaten both human and non-human survival. Agroforestry, the process of combining crop and tree production, is one method of addressing human needs while lowering the negative impacts on ecosystem services. This talk will discuss traditional and current agroforestry practices in tropical islands from Indonesia to Hawaii and the diversity of agroforestry systems across ecosystems. Comparisons will be made between islands that have maintained traditional agroforestry landscapes (e.g., Bali) to those where traditional agroforestry was disrupted and novel systems are being reinvented (e.g., Hawaii).



Modern Agroforestry system in Kona, Hawaii with mixed timber and understory crops



Traditional landscape with riparian "food forests" within a rice-dominated matrix. Payangan, Bali, Indonesia



South Pacific Style Traditional Agroforestry with mixed timber and food crops. Hamakua, Hawaii, USA

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