

The long-term goal of my research is to investigate the effects of natural disturbance and environmental stress on ecosystem structure, function and dynamics. I am interested in all kinds of ecosystems but most of my studies focus on forest ecosystem, especially the Fushan Experimental Forest, the first long-term ecological research site in Taiwan. A special focus of my research is the resilience of ecosystems in response to typhoon disturbance and other extreme climate events such as extreme low temperature events and torrential rainfall events.

Techniques used in study

Hemispherical photography
Remote sensing
Field survey
Unmanned Aerial Vehicle

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Background:

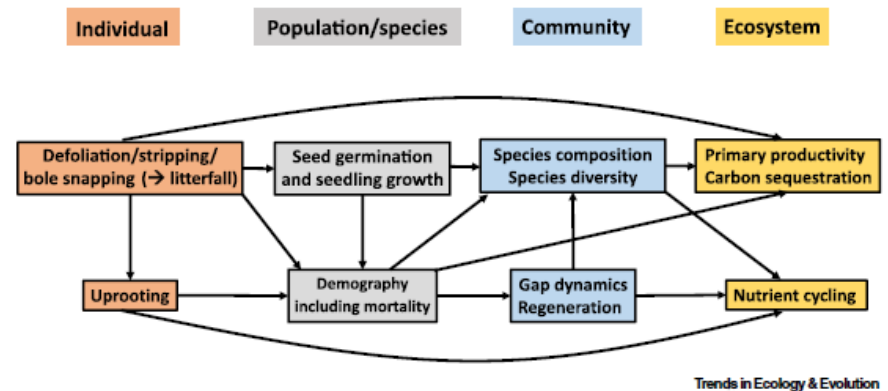
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Ministry of Science and Technology
Environmental Protection Agency



Cyclone effects on forest ecosystems highlighting the linkages with and between various of ecosystem organization from individual tree to the ecosystem (not all possible effects or linkages are included)



Publications

1. Lin, T.C.* , Hogan, J.A., & Chang, C.T. (2020). Tropical cyclone ecology: A scale-link perspective. *Trends in Ecology & Evolution* 35(7), 594-604.
2. Lin S.Y., Shaner P.J.L., Lin T.C.* (2018). Characteristics of old-growth and secondary forests in relation to age and typhoon disturbance. *Ecosystems*: 21(8):1521-1532.
3. Chang C.T., Huang J.C., Wang L.J., Shih Y.T., Lin T.C.* (2018). Shifts in stream hydrochemistry in responses to typhoon and non-typhoon precipitation. *Biogeosciences* 15(8), 2379-2391.

