Transitions in agricultural landscapes of Japan

Iwate University Koji Harashina

Self-introduction



Koji Harashina Associate Prof., Faculty of Agriculture, Iwate University

With my colleagues at BOKU (3/7/2018)

2003.3 PhD at the University of Tokyo
2003.4- PD researcher at UT
2004.4-10 Okayama Univ.(JSPS PD fellow)
2004.11- Iwate University (Lecturer, Associate Professor)
2018.6-11 Visiting researcher at BOKU, Vienna
Research field: (Sabbatical leave)
Landscape ecology and resource management

Where is Iwate?





Iwate University





My laboratory: Lab. Landscape Ecology & Management (地域生態管理学研究室)



Contact: Email: <u>hkoji@iwate-u.ac.jp</u> Phone/Fax: +81-19-621-6193



SATOYAMA - Traditional Japanese rural landscape -





SATOYAMA: Combination of forest/coppice/grassland, agricultural land, and settlement.

Sato: settlement/village Yama: mountain (forest/coppice/grassland)









SATOYAMA landscape is maintained by human intervention through management for resource use



Coppicing in Satoyama





http://www.city.hachioji.tokyo.jp/shisetsu/109 /p011909.html

Mixture of different successional stage of coppice increase the diversity of landscape

Forest thinning



Land use/cover change from 1850 to 1985



http://www.biodic.go.jp/biodiversity/shiraberu/policy/kyosei/23-2/files/2-1.pdf

Land use/cover change in Kesen-region, Iwate



1913⇒1933 Percentage of area where land use/cover changed (%) No change LU/LC changed

Dramatically changed from1951 to 1967 (Postwar rebuilding~ high economic growth period

What is in the back ground?







Land use/cover change in Kesen-region, Iwate



Fuefuki pasture in Iwate



Abandoned in about 10 years ago..., but?

Sika deer farm?







Conclusion

Japanese traditional landscape "SATOYAMA" has been maintained by management for resource use

Landscape is closely related to economic value of land use in the context of social background

SATOYAMA is now reevaluated in the context of cultural and biodiversity conservation

Japan experienced dramatic landscape change during 1950–1960s which is postwar rebuilding and high economic growth period

Recently, wildlife has become one of the driving force for landscape change