

# Hao Xia

PHD CANDIDATE · UNIVERSITY OF COPENHAGEN

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## Summary

I am an interdisciplinary conservation geographer, trained in conservation and land system science, and ecological economics. My research integrates methodologies from geography, remote sensing, econometrics, spatial ecology, and conservation planning to gain insights into coupled human-nature systems. Currently, my work focuses on integrating remote sensing observations, socioeconomic information, and robust econometric causal inference to assess the effects of conservation initiatives on ecosystems and human well-being, while also developing systematic conservation planning.

## Education

### University of Copenhagen

PHD STUDENT GEOGRAPHY

• Advisor: Prof. Dr. Alexander Prishchepov

Copenhagen, Denmark

Dec. 2020 - Dec. 2023 (expected)

### Zhejiang Gongshang University

MASTER, LAND ECONOMICS

• Honors thesis / Advisor: Prof. Dr. Cuizhen Li; Prof. Dr. Shaofeng Yuan

Hangzhou, China

Sept. 2017 - Jan. 2020

### Zhejiang Gongshang University

BACHELOR, LAND RESOURCE MANAGEMENT

• Honors thesis / Advisor: Prof. Dr. Shaofeng Yuan

Hangzhou, China

Sept. 2013 - Jun. 2017

## Publications

\* corresponding author; + equal contribution

### PUBLISHED

Xia, H.\* , Li, H., Prishchepov, A. V. 2023. Assessing forest conservation outcomes of a nature reserve in a subtropical forest ecosystem: effectiveness, spillover effects, and insights for spatial conservation prioritization. **Biological Conservation**, 285: 110254.

Xia, H.\* , Yuan, S., Prishchepov, A. V. 2023. Spatial-temporal heterogeneity of ecosystem service interactions and their social-ecological drivers: Implications for spatial planning and management. **Resources, Conservation and Recycling**, 189: 106767. (ESI Highly cited paper)

Xia, H., Li, C.\* , Zhou, D., Zhang, Y., Xu, J. 2020. Peasant households' land use decision-making analysis using social network analysis: A case of Tantou Village, China. **Journal of Rural Studies**, 80: 452-468.

Yuan, S., Xia, H., Yang, L.\* . 2021. How changing grain size affects the land surface temperature pattern in rapidly urbanizing area: a case study of the central urban districts of Hangzhou City, China. **Environmental Science and Pollution Research**, 28: 40060-40074.

Yang, L., Xia, H., Zhang, X., Yuan, S.\* . 2018. What matters for carbon emissions in regional sectors? A China study of extended STIRPAT model. **Journal of Cleaner Production**, 180: 595-602.

### IN PREP & SUBMITTED

Xia, H. \*, Geldmann, J., Müller, D., Droste, N., Eklund, J., Sun, Z., Prishchepov, A. V. Protected areas in China attain favorable social-ecological outcomes but should face potential trade-offs with food production.

Xia, H.+ , Li, H.\*+ , Prishchepov, A. V. Does the eco-zoning initiative spur human well-being and resilience to poverty? A quasi-natural experiment in China.

Shi, X., Xia, H., Zhang, H., et al. Scenario-based land-use simulation and integrated analysis of ecosystem service bundles in karst landscapes.

## Professional Experience

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- Oct. 2022 **Visiting PhD Researcher**, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany  
2017 **Student Research Assistant**, Hangzhou International Urbanology Research Center, China  
2017-2019 **Research/Teaching Assistant**, Zhejiang Gongshang University, China

## Technical Skills and Language Proficiency

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**Geospatial/data analysis:** R (advanced), Google Earth Engine, ArcGIS, QGIS, Zonation, Geoda, Fragstats, ENVI

**Ecological/land-use modelling:** Species distribution modelling, Ecosystem service modelling, Land use modelling

**Econometric/network analysis:** Causal inference (Statistical matching, DID, Synthetic control method, Regression discontinuity design), Spatial regression models, Social-ecological network analysis

**Visualization:** R, Adobe Illustration, Adobe Photoshop

**Language proficiency:** Chinese (native), English (advanced, fluent in writing and speaking)

## Awards, Fellowships, & Grants

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- 2023 **Workshop Travel Funding**, 4EU+ Alliance Charles University Minigrant  
2020 **China Scholarship Council Doctoral Fellowship**, China Scholarship Council  
2017 **Provincial Honors Graduate (Top 1%)**, Department of Education of Zhejiang Province  
**China Telecom Scholarship (Top 0.1%)**, All-China Students' Federation  
2015-2017 **National Undergraduate Innovation Grant**, Ministry of Education of China

## Presentations

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**Poster presentation.** *Spatial-temporal heterogeneity of ecosystem service interactions and their social-ecological drivers: Implications for spatial planning and management.* **European Congress of Conservation Biology**, Aug. 2022, Prague, Czech Republic.

**Oral presentation.** *Optimization of habitat environments in Southwest Zhejiang Urban Agglomeration.* **Academic Conference of Zhejiang Geographical Society**, Sept. 2015, Ningbo, China.

## Teaching Experience

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- May 4, 2023 **Land Use in a Global Perspective (Bachelor)**, Guest Lecturer, *University of Copenhagen*  
Fall 2017 **Land Economics (Bachelor)**, Teaching Assistant, *Zhejiang Gongshang University*

## Outreach & Professional Development

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### WORKSHOP/COURSES ATTENDED

- Jun. 2023 **Workshop**, 4EU+ international workshop on land abandonment and invasive species *Prague*  
Jul. 2023 **Summer School**, Global farmland abandonment: patterns, drivers and implications, 40 hrs *Copenhagen*  
Aug. 2023 **Summer School**, WSL Blue-green biodiversity, 40 hrs *Davos*

### PEER REVIEW

Land Use Policy, International Journal of Environmental Research, Environment and Social Psychology

### PROFESSIONAL MEMBERSHIPS

Society for Conservation Biology; Global Land Programme