

Bingbing Zhou [Ph.D. Student](#)

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Research Interests

- [Landscape sustainability](#) and [land architecture](#) of [coupled rural-urban systems](#)
- [Agent-based modeling](#) of [coupled social-ecological \(infrastructure\) systems](#)
- [Applications of mutiple methods](#) (e.g., remote sensing, GIS, surveys, experiments, modeling, etc.)
- [Rural development](#), landscape ecology, land use/cover change, land use policy, landscape planning

Education

- ◆ Ph.D. in Sustainability, School of Sustainability, ASU, 2015.08-now
✚ Committee: Professor [Jianguo Wu](#) (Chair), [Marco Janssen](#), [Billie Turner II](#), [Marty Anderies](#), and [Rimjhim Aggarwal](#)
- ◆ M.S. in Land Resource Management, School of Geographic and Oceanographic Sciences, Nanjing University (NJU) 2012.09-2015.06
✚ GPA: 89.4/100, Ranking: unknown, Supervisor: [Professor Shenglu Zhou](#)
✚ Thesis: [Methodology for soil quality assessment of farmlands reclaimed from rural residential lands](#) (In Chinese)
- ◆ Double M.S. study in Environmental Earth Science, NJU-Freie Universität Berlin 2012.09-2015.06
✚ Supervisor: Professor [Frank Riedel](#) and [Bernd Wünnemann](#)
- ◆ B.S., Major in Resources, Environment and Urban-Rural Planning and Management, School of Geographic and Oceanographic Sciences, NJU 2007.09-2012.06
✚ GPA: 89.8/100, Ranking: 2/28, Supervisor: [Professor Shenglu Zhou](#) and [Jianxin Zhang](#)
✚ Thesis: [Urban-rural income disparities in transitional China: Interprovincial variations and policy implications](#) (In Chinese)
- ◆ B.S., Minor in International Finance, School of Business, NJU 2007.09-2012.06

Skills

- ◆ **Professional Software:** ArcGIS, ENVI, QCA, SPSS, Fragastats, Conefor, Graphab, GeoDa, Win QSB, Unicet
- ◆ **Graphing Software:** Adobe Illustrator, Origin Pro, Visio, Photoshop, SigmaPlot
- ◆ **Programming:** NetLogo, R, Python, Stata, Matlab, Octave, C, Visual Basic
- ◆ **Language:** Chinese (native), English (fluent), German (basic)

Work Experience (selected)

- ◆ Teaching Assistant in the Class *Sustainable Cities*, with [Dr. Bjoern Hagen](#) 2016.01-now
✚ Assisted in grading and instructing the undergrad students
- ◆ Research Assistant in *Thousand Island Lake Project*, with [Professor Jianguo Wu](#) 2015.08-2015.12
✚ Processed SPOT and Landsat images using ENVI and ArcGIS to build land use database
✚ Helped in drafting a research paper
- ◆ Invited Research Assistant in *Jiangbei New District Land Use Policy Project*, with [Dr. Qing Zhu](#) 2015.05-2015.08
✚ Drafted the grant proposal, coordinated meetings with our research partners.
✚ Executed the project via leading a group of grad and undergrad students to conduct interviews, household surveys, and indoor analysis

- ◆ **Research Assistant in *Land Resources and Soil Biogeochemistry Lab*, with [Professor Shenglu Zhou](#)** 2011.09-2015.05
 - ✚ Executed two projects on China's land use transition and reclaimed farmland quality assessment, respectively
 - ✚ Participated in other projects on land use policy, soil quality assessment, land use planning, etc.
 - ✚ Helped in drafting grant proposals, supervising junior lab grads and undergrads
- ◆ **Intern Head in [Shanghai Municipal Planning and Land Resources Management Bureau](#)** 2014.07-2014.08
 - ✚ Participated in the Shanghai Country Park Unit Planning, using ArcGIS and partly AutoCAD.
 - ✚ Learned China's modern agricultural land use policies, and oversaw applications of local projects.
 - ✚ Investigated the tourism-oriented land use planning of a typical town, the Zhujiajiao Town.
- ◆ **Assistant Planner (Intern) in [Nanjing Nanyuan Land Use and Development Consulting Co., Ltd](#)** 2011.07-2011.09
 - ✚ Participated in various land use planning projects (county level), using ArcGIS and partly AutoCAD

Publications

- ◆ **2016:**
 - Y. Z. Zang, S. L. Zhou, **B. B. Zhou**, and Y. Y. Wu. [Volume changes and spatial pattern dynamics of China's interprovincial migration: A perspective of social network analysis](#). *Human Geography* (In Chinese with English abstract), 2016, 131(4): 112-118.
- ◆ **2015:**
 - **B. B. Zhou**, S. L. Zhou, L. G. Lv, and C. F. Lu. [Interprovincial variations of farmland expropriation in China and the estimation of lost-land farmers](#). *Chinese Agricultural Science Bulletin* (In Chinese with English abstract), 2015, 31(11): 284-290.
 - L. Chen, S. L. Zhou, **B. B. Zhou**, et al. [Characteristics and driving forces of regional land use transition based on the dominant function classification: A case study of Jiangsu province](#). *Economic Geography* (In Chinese with English abstract), 2015, (2): 155-162.
 - L. G. Lv, S. L. Zhou, **B. B. Zhou**, et al. [Response of land use changes to human activities in Jiangsu province since 1985](#). *Resources and Environment in the Yangtze Basin* (In Chinese with English abstract), 2015, 24(7): 1086-1093.
 - C. F. Lu, S. L. Zhou, B. J. Wang, **B. B. Zhou**, and G. Li. [Spatial pattern and zonation policy evaluation of the county-level economic development in the developing Jiangxi Province](#). *Areal Research and Development* (In Chinese with English abstract), 2015, 34(1): 37-42.
 - X. C. Wu, W. M. Ju, Y. L. Zhou, et al. [Performance of linear and nonlinear two-leaf light use efficiency models at different temporal scales](#). *Remote Sensing*, 2015, 7(3), 2238-2278.
- ◆ **2014:**
 - X. C. Wu, W. M. Ju, Y. L. Zhou, **B. B. Zhou**, Y. B. Liu. [Evaluation of downward surface solar radiation of three reanalysis products over China](#). 2014 International Workshop on Satellite Application and Public Service. November 15-16, 2014, Guangzhou, China.
- ◆ **2013:**
 - X. L. Yang, Q. Q. Yang, **B. B. Zhou**, et al. [Potential calculation and time-series zoning for rural residential land consolidation at county scale](#). *Transactions of the Chinese Society of Agricultural Engineering* (In Chinese with English abstract), 2013, 29(12): 235-245.
 - L. G. Lv, S. L. Zhou, **B. B. Zhou**, et al. [Land use transition and its eco-environmental response in the process of regional development: A case study of Jiangsu province](#). *Scientia Geographica Sinica* (In Chinese with English abstract), 2012, 33(12): 1442-1449.
- ◆ **2012:**
 - **B. B. Zhou**, S. L. Zhou. [Review on Chinese urban-rural individual income gap](#). *Geographical Society of China Academic Conference 2012* (Chinese abstract), 2012: 201.
- ◆ **2011:**
 - **B. B. Zhou**, Y. K. Dai, Y. Zhang. [Interprovincial differences of the economic effects of the real estate industry in China](#). *Statistics and Decision* (In Chinese), 2011, (23): 76-79.

- X. C. Wu, **B. B. Zhou**. [Multi-level analysis on the provincial differences about energy consumption of Central China](#). China Population, Resources and Environment (In Chinese with English Abstract), 2011, 21(12): 357-361.

Public Services (selected)

- ◆ Reviewer for [GPSA Research Grant at ASU](#) 2015.08-now
 Reviewed 5 to 10 proposals per semester for four consecutive semesters
- ◆ Part-time assistant in [Cyrus Tang Foundation](#) (USA) Jiangsu Office, with [Dr. Ruilin Wu](#) 2011.09-2015.05
 Assisted in instructing the CTF volunteer student organizations in five universities in Nanjing, China
- ◆ Cohort President at NJU 2012.09-2015.05
 Organized social activities between different majors in my school
 Served as the part-time assistant on graduate affairs of my school
 Assisted in establishing and enhancing academic exchange with other related institutions and schools
- ◆ President of the Union of Volunteer Associations in NJU (> 1000 registered members) 2010.09-2011.06
 Coordinated various voluntary activities of the component volunteer associations in NJU
 Conducted workshops on voluntary issues attended by presidents of those united associations
 Led groups to teach students in high schools and middle schools over weekends and summer breaks

Honors & Rewards

- ◆ Wrigley Fellowship from School of Sustainability, ASU 2016-2017
- ◆ The DAAD Fellowship "Integrated international double degree study programs" Top 5% 2012-2014
- ◆ Outstanding Undergraduate Graduation Thesis of Nanjing University Top1% 2012
- ◆ Outstanding Undergraduate of Nanjing University Top5% 2012
- ◆ The Skyline Fellowship for Model Undergraduate with Outstanding Research Capability Top1% 2011
- ◆ Google Fellowship for Campus Star with Substantial Volunteer Devotion Top1% 2011
- ◆ Excellent Student Leader of Nanjing University Top1% 2010
- ◆ National Encouragement Scholarship Top 5% 2008-2012

Sponsored Research Grant Awards

- ◆ [Neely Foundation Food and Agriculture Sustainability Research Grant](#) 2017
 Name of the research grant: *Sustainable policies for increasing food security of coupled rural-urban systems: A case study in China using multiple methods*
 Grant mentor: [Dr. Rimjhim Aggarwal](#)
 Duration of the grant: 04/15/2017 - 12/15/2017
 Amount of the grant: \$3991