Wanru He

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EDUCATION

- China Agricultural University, M.S. in Land Use and Information Technology **09/2021-06/2023**
  First-class Scholarship
- Zhejiang Agriculture&Forestry University, B.S. in Geoinformatics **09/2017-06/2021**
  National Scholarship (1/239), First-class Scholarship, Provincial Outstanding Graduate

PUBLICATIONS

- **He, W.**, Li, X., Zhou, Y., Liu, X., Gong, P., Hu, T., Yin, P., Huang, J., Yang, J., Miao, S., Wang, X., and Wu, T.: Modeling gridded urban fractional change using the temporal context information in the urban cellular automata model, **Cities**, 133, 104146, https://doi.org/10.1016/j.cities.2022.104146, 2023.
- **He, W.**, Li, X., Zhou, Y., Shi, Z., Yu, G., Hu, T., Wang, Y., Huang, J., Bai, T., Sun, Z., Liu, X., and Gong, P.: Global urban fractional changes at a 1 km resolution throughout 2100 under eight SSP-RCP scenarios, **Earth Syst. Sci. Data** Discuss. [preprint], https://doi.org/10.5194/essd-2022-401, in review, 2023.
- **He, W.**, Li, X., Zhou, Y., Shi, Z., Yu, G., Hu, T., Wang, Y., Huang, J., Bai, T., Sun, Z., Liu, X. and Gong, P.: Global fractional urban changes at 1km under diverse SSP-RCP scenarios throughout 2100, figshare. **Dataset**, https://doi.org/10.6084/m9.figshare.20391117.v2, 2022.
- **He, W.**, Fu, S., Wu, L., Ren, Z., and Chen, Y.: Analysis of the Development Balance Between Environment and Economy in Zhejiang Province, Natural Protected Areas, 1(3): 70−79, https://doi.org/10.12335/2096-8981.2020121002, 2021.

INTERESTED FIELDS

- Urban modeling; Urban-induced sociometric and environmental change; GIS-based spatial analysis

COMPETITIONS

- National University Student GIS Application Skill Contest, Second Prize 2019
- Esri cup - Chinese University Student GIS Software Development Contest, Third Prize 2019
- SuperMap cup - National University GIS Contest, Third Prize 2019
- Zhejiang University Student Environmental Ecology Technology Innovation Competition, Second Prize 2020

PROJECTS

- The 2022 Open Research Plan of the International Research Center on Big Data for Sustainable Development
  Case: Ratio of global urban land use to population growth in future scenarios

QUALIFICATIONS&SKILLS

- **Language:** English, IELTS (6.5/9.0); Chinese (Native)
- **Programming & Software:** MATLAB, R, ArcGIS, QGIS, ENVI, Google Earth Engine, PostgreSQL/PostGIS
- **Hobbies:** Skateboarding, gym working out, cooking, traveling