



YIHENG DU

CONTACT

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EDUCATION

Lund University, Lund, Sweden

Ph.D in Water Resources Engineering, 2021

Hohai University, Nanjing, China

M.S in Water Resources Engineering, 2015

B.S in Water Resources Management, 2012

RESEARCH EXPERIENCE

Lund University, Lund, Sweden

Precipitation variations with large scale circulation patterns in the source region of the Yangtze River, China

Future precipitation projection using convection permitting climate model in southern Sweden

Hohai University, Nanjing, China

Hydrologic modeling in the Huang Huai Hai plain, China

ADDITIONAL EXPERIENCE

Certified Real Estate Appraiser in China, since 2011

Certified Constructor of Water Conservancy Project in China, since 2013

SKILLS

Software

Proficient in Matlab, ArcGIS, Microsoft Office applications.

Language

English(Advanced), Chinese(Native), Swedish(Acquainted).

PUBLICATIONS

Publications in Journals

- [1] Olsson J, **Du Y**, An D, Uvo CB, Sörensen J, Toivonen E, Belušić D and Dobler A (2021). An Analysis of (Sub-)Hourly Rainfall in Convection-Permitting Climate Simulations Over Southern Sweden From a User's Perspective. *Front. Earth Sci.* 9:681312.
- [2] **Du, Y.** (2020). Can the wind in the Pacific Ocean influence the rainfall across the Himalaya mountains? (Popular science summary) *VATTEN–Journal of Water Management and Research* 76: 1. 2020.
- [3] **Du, Y**, Berndtsson, R, An, D, Zhang, L, Yuan, F, Hao, Z. Integrated large-scale circulation impact on rainy season precipitation in the source region of the Yangtze River. *Int J Climatol.* 2019; 1– 11.
- [4] **Du, Y.**; Berndtsson, R.; An, D.; Zhang, L.; Yuan, F.; Uvo, C.B.; Hao, Z. Multi-Space Seasonal Precipitation Prediction Model Applied to the Source Region of the Yangtze River, China. *Water* 2019, 11, 2440.
- [5] **Du, Y.**; Berndtsson, R.; An, D.; Zhang, L.; Hao, Z.; Yuan, F. Hydrologic Response of Climate Change in the Source Region of the Yangtze River, Based on Water Balance Analysis. *Water* 2017, 9, 115.
- [6] An, D., **Du, Y.**, Berndtsson, R., Niu, Z., Zhang, L.T., & Yuan, F. (2020). Evidence of climate shift for temperature and precipitation extremes across Gansu Province in China. *Theoretical and Applied Climatology*, 139(3-4), 1137-1149.
- [7] Yuan, F., Liu, J., Berndtsson, R., Hao, Z., Cao, Q., Wang, H., **Du, Y.**, & An, D. (2020). Changes in precipitation extremes over the source region of the Yellow River and its relationship with teleconnection patterns. *Water (Switzerland)*, 12(4), [978].
- [8] **DU YI-HENG**, HAO ZHEN-CHUN & JU QIN. Feature analysis and prediction of ice regime in the source region of the Yellow River. *IAHS-IAPSO-IASPEI Assembly, Gothenburg, Sweden, July 2013 (IAHS Publ. 360, 2013).*
- [9] **Yiheng Du.** What can we learn from Housing Tenancy System in Sweden to improve Housing Tenancy Management in China? (in Chinese). *Real Estate Appraisal Journal.* 2019.

Publications in Conferences

[1] Olsson, J., Sørensen, J., **Du, Y.**, An, D., Berg, P., Toivonen, E., and Belusic, D. (2020). Short-duration rainfall extremes in very high-resolution climate projections: historical evaluation and future projections, EGU General Assembly 2020, Online, 4–8 May 2020, EGU2020-7007.

[2] **Du, Y.**, Berndtsson, R. (2019). Integrated impacts of large-scale circulations on rainy season precipitation in the source region of Yangtze River. EGU General Assembly 2019, 7-12 April, in Vienna, Austria, EGU2019-2901.

[3] **Du, Y.**, Berndtsson, R., Zhang, L.T., An, D., Hao, Z., & Ju, Q. (2016). Spatial variation of precipitation in the Huang-Huai-Hai River Basin under climate change. Abstract from NORDIC WATER 2016 XXIX Nordic Hydrological Conference, Kaunas, Lithuania.

[4] An, D., Zhang, L.T., Berndtsson, R., **Du, Y.**, Li, Z., & Yao, C. (2016). Application of different hydrologic models in flash floods simulation. Abstract from NORDIC WATER 2016 XXIX Nordic Hydrological Conference, Kaunas, Lithuania.

[5] **Yiheng Du**, Changping Du. Application of SPSS Software in data processing of real estate appraisal. Annual Conference of China Institute of Real Estate Appraisers and Agents. **2012**.

[6] **Yiheng Du**. Application of ArcGIS in influence factor amendment of real estate appraisal. Annual Conference of China Institute of Real Estate Appraisers and Agents. **2011**.