


Brief CV

Name/中文姓名	Zhao Rongqin/ 赵荣 钦	Gender	male	
Title (Pro./Dr.)	Professor	Country	China	
University/Department	School of Surveying and Geo-informatics, North China University of Water Resources and Electric Power			
Personal Web Sites				
Research Area	Resources and environment, Water-land-energy-carbon nexus			
<h2>Education experiences</h2> <p>2015-2016 Visiting scholar, Institute for Resources Environment and Sustainability, University of British Columbia</p> <p>2011-2014 Postdoctor, School of Geographic and Oceanographic Sciences, Nanjing University, China</p> <p>2008-2011 PhD Candidate, School of Geographic and Oceanographic Sciences, Nanjing University, China</p> <p>2001-2004 Postgraduate, College of Environment and Planning, Henan University, China</p> <p>1996-2000 Undergraduate, College of Agriculture, Henan Agricultural University, China</p>				
<h2>Research areas</h2> <p>(1) Water-land-energy-carbon nexus</p> <ul style="list-style-type: none"> ✓ The mechanism of regional water-land-energy-carbon nexus ✓ Regional water-carbon footprint and flow efficiency ✓ Agricultural water-land resource exploitation and carbon emissions ✓ Carbon emission of urban water system <p>(2) Carbon cycle of urban system</p> <ul style="list-style-type: none"> ✓ The theoretical framework of urban carbon cycle, which include natural carbon process and anthropogenic carbon processes. ✓ Carbon cycle, carbon balance and carbon circulation in the urban system, which includes the carbon circulation between several subsystems, carbon flows between urban system and external systems, and the embodied carbon flows between urban and rural systems. ✓ The carbon cycle pressure of urban system, and the impact of human activities on urban carbon cycle process. <p>(3) Regional land use and carbon emission</p> <ul style="list-style-type: none"> ✓ The carbon storage and carbon fluxes of regional different land use types. ✓ The relationship between energy consumption & carbon emission items and land use types. ✓ The carbon emission effect of land use change and its impacting factors ✓ The optimization scheme of land use structure based on low-carbon emission(Regional low-carbon potential estimation through land use regulation and control) 				

(4) Regional carbon budget

- ✓ The theory of regional carbon budget with considering human impact.
- ✓ Regional carbon emission inventory
- ✓ The regional carbon budget estimation on different regional level (provincial, urban and county-level)
- ✓ The regional low-carbon development based on carbon balance

*******All the columns need to be filled in.**