

MIDST CZO uses critical zone science to improve decision making on land and water use in a broad range of regions in China through the development and deployment of decision support tools aligned to the needs of farmers, advisors and policy-makers.

Introducing the UK Post Docs and the initial project work



Ying Zheng
University of Glasgow

Ying is a post-doctoral research associate from University of Glasgow, UK. She works in the MIDST CZO project, facilitating knowledge exchange and stakeholder relationship with local government, industries and farmers. This supports the implementation of CZ decision support tools in China.

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Joseph Oyesiku-Blakemore
University of Aberdeen

Joe's work in the MIDST CZO project focuses on the evaluation and development of decision support tools for use in the critical zone in China. His work will identify specific requirements and current gaps in availability.

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Sarah Dennis
University of Leeds

Sarah is the MIDST CZO project coordinator. Her role is to help facilitate meetings and increases communication between researchers across the MIDST CZO project, with the funding agencies and other international CZO programmes.

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DST Implementation.

We are currently conducting a systematic review to identify the decision support tools associated with the impacts of nitrogen and water use in Chinese agriculture. The work will aim to identify where and how the current suite of simple DST's is inadequate for the specific requirements of Chinese agriculture. Tools which fulfil select criteria are then run using data from a range of CZO sites to provide example outputs for key management and environmental scenarios.

Yield Prophet



Dates for your diary:

China trip to meet stakeholders:
22-26 April 2019

UK team meeting: 2 May 2019, Birmingham

Stakeholder meeting
Beijing,
December 2nd - 6th 2019.

Loess Plateau Survey

This survey is scheduled between 22nd – 25th March 2019 in Changwu County, Shaanxi Province, where the Loess Plateau CZ project is allocated. It is an extension of the previous fieldwork in Karst and Red Soil CZ projects during 2016 – 2018. Together, the collected data will provide baseline data on local land use, human activities, environmental understanding, an in-depth understanding of KE dynamics in the local community.

China visit April 2019

Paul Hallett, Susan Waldron, Joe Oyesiku and Ying Zheng will be visiting China to meet with stakeholders and investigators to learn research needs and develop links. They will start in Beijing on 22-23 April and then travel down the east coast, with a meeting in Guangzhou on 26 April. Any suggestions on government, industry or applied researchers to visit would be greatly appreciated.