Brief introduction of two sites at Alice Springs for TERN project

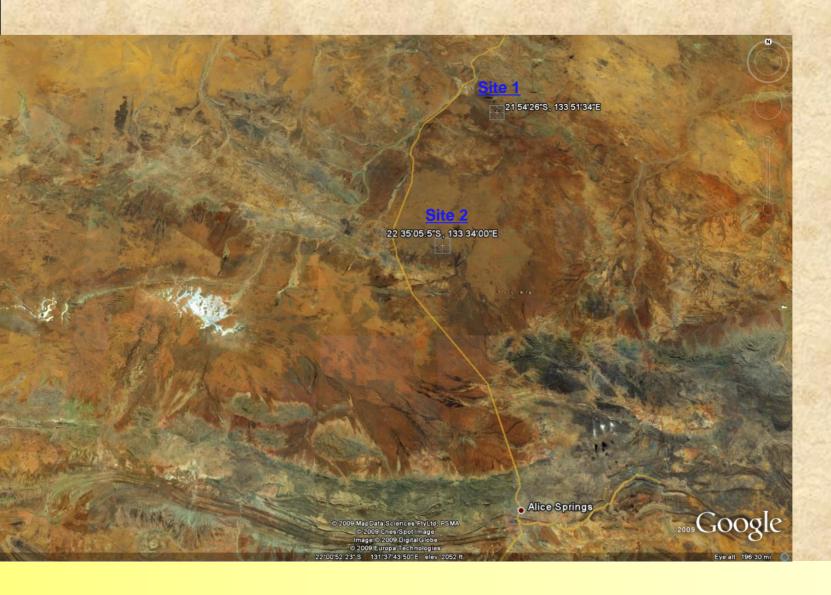
Zheng Li

Plant Functional Biology & Climate Change Cluster (C3) University of Technology, Sydney





Two sites indicated on GoogleEarth





Sites Characters

- Located ~200 to 300 km north of Alice Springs
- Two sites are ~100km apart
- Two sites differ in depth to ground water with gradient North to South
 - -Site One ~ 3 6 meters to ground water
 - -Site Two ~ 40 meters to ground water



- River bed adjacent at both sites
- shots of riparian zone
- The rivers are dry most of the year for most years
- Ground water moves slowly from N to S

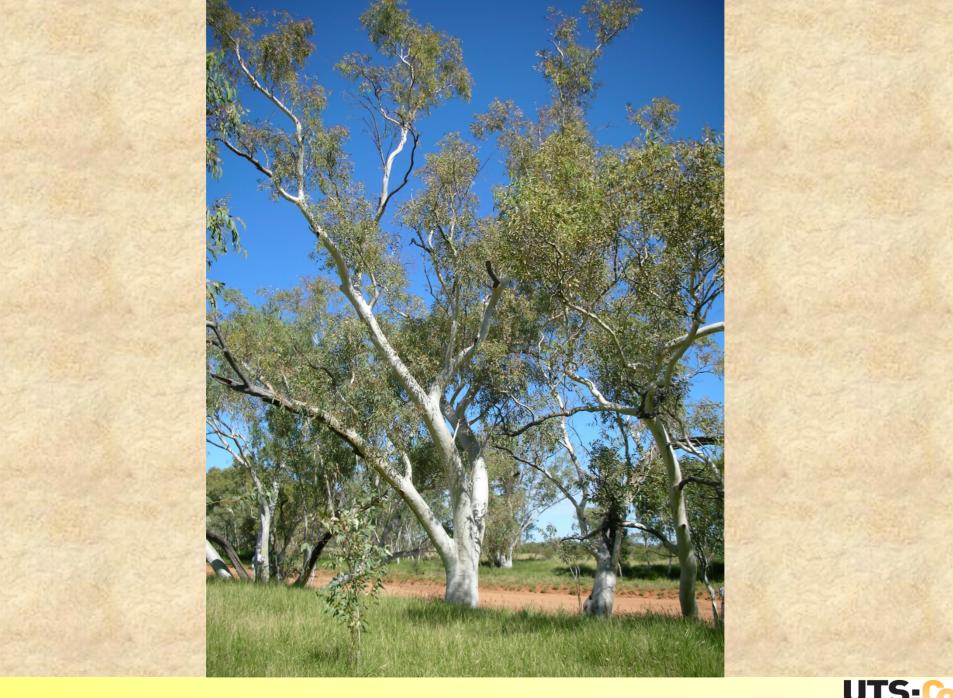


- Sides of the rivers populated by River Red Gums (Eucalyptus camaldulensis)
- Away from the rivers covered by Mulga (Acacia Aneura)



























We want to look at responses of

- CO₂ and H₂O fluxes
- Vegetation
- SOC, C and N turnovers
- Dynamics of soil microbe community

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to the pulses of rain, ground water availability and season changes



- We just complete lab test of our 1st EC system
- A test run at Richmond (60 km west of Sydney) for next 2 months along with a Scintillometer and 2 Bowen Ratio systems
- System will be deployed to Alice Springs in Sep/Oct















