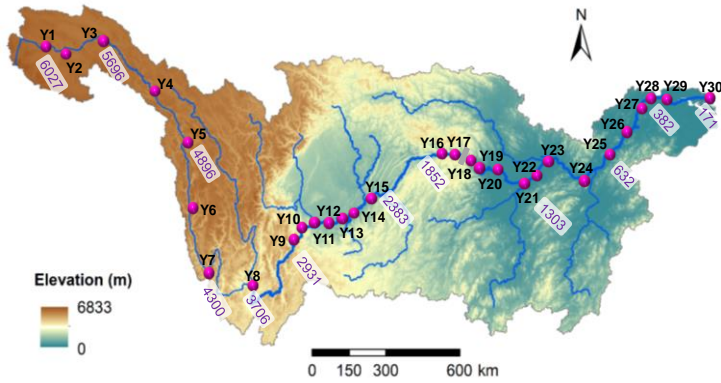
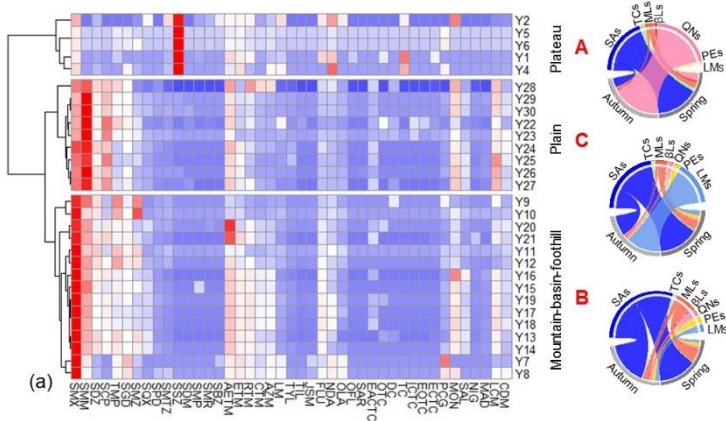


# Hydro-biological processes and their modelling



- Study undertaken by Peking University to investigate the occurrence and distribution of antibiotics in the Yangtze River, China
- Water and sediment samples were collected in spring and autumn from the mainstream of the river
- 83 target antibiotics were quantified



## Key findings from field and laboratory studies:

- Antibiotic compositions in water varied geographically, and were clustered into three groups according to the landforms of plateau (A), mountain-basin-foothill (B), and plain (C), respectively
- Regional variation in antibiotic compositions depends on the consumption patterns of antibiotics by different food animals

