



Discussion



- ◆ Do we have the right observational systems to make inter-monsoon comparisons?
- ◆ Is the level of data sharing appropriate?
- ◆ Have we learned enough about the processes involved in decadal variability to distinguish anthropogenic part of the monsoon changes?
- ◆ How can we use paleo-climate simulations to guide us as to the range of future change?
- ◆ May we include case studies in decadal variability research?



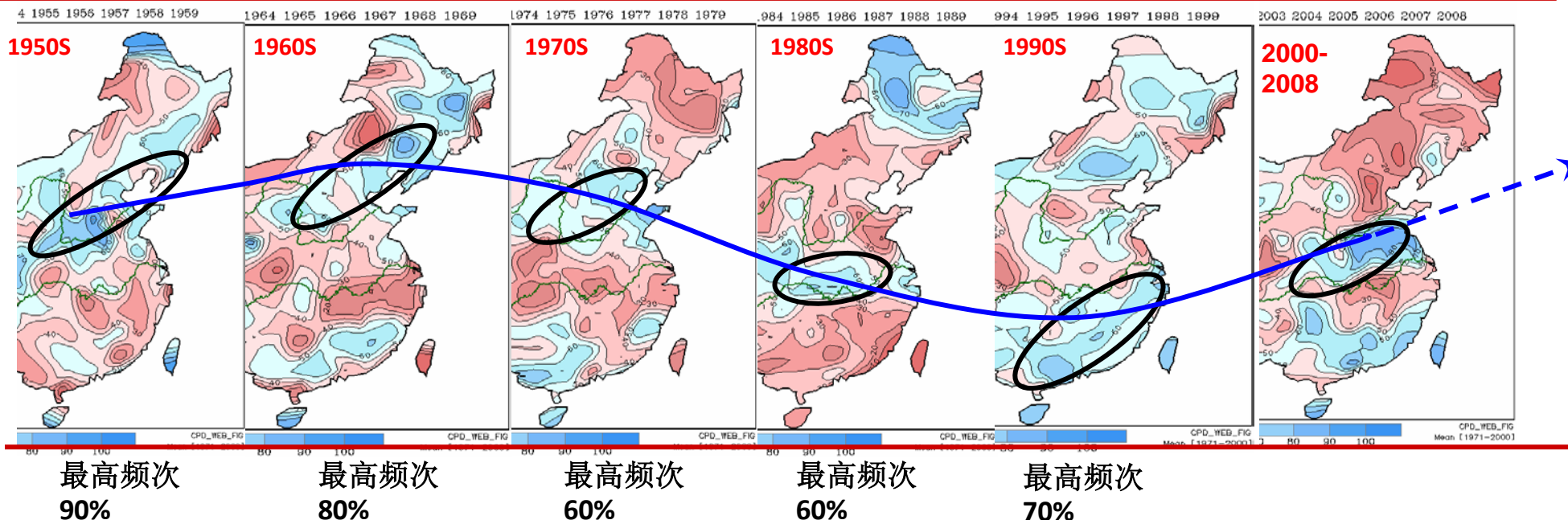
Decadal Changes of summer rainfall



20世纪

蓝色：降雨频次高；红色：降雨频次低

21世纪



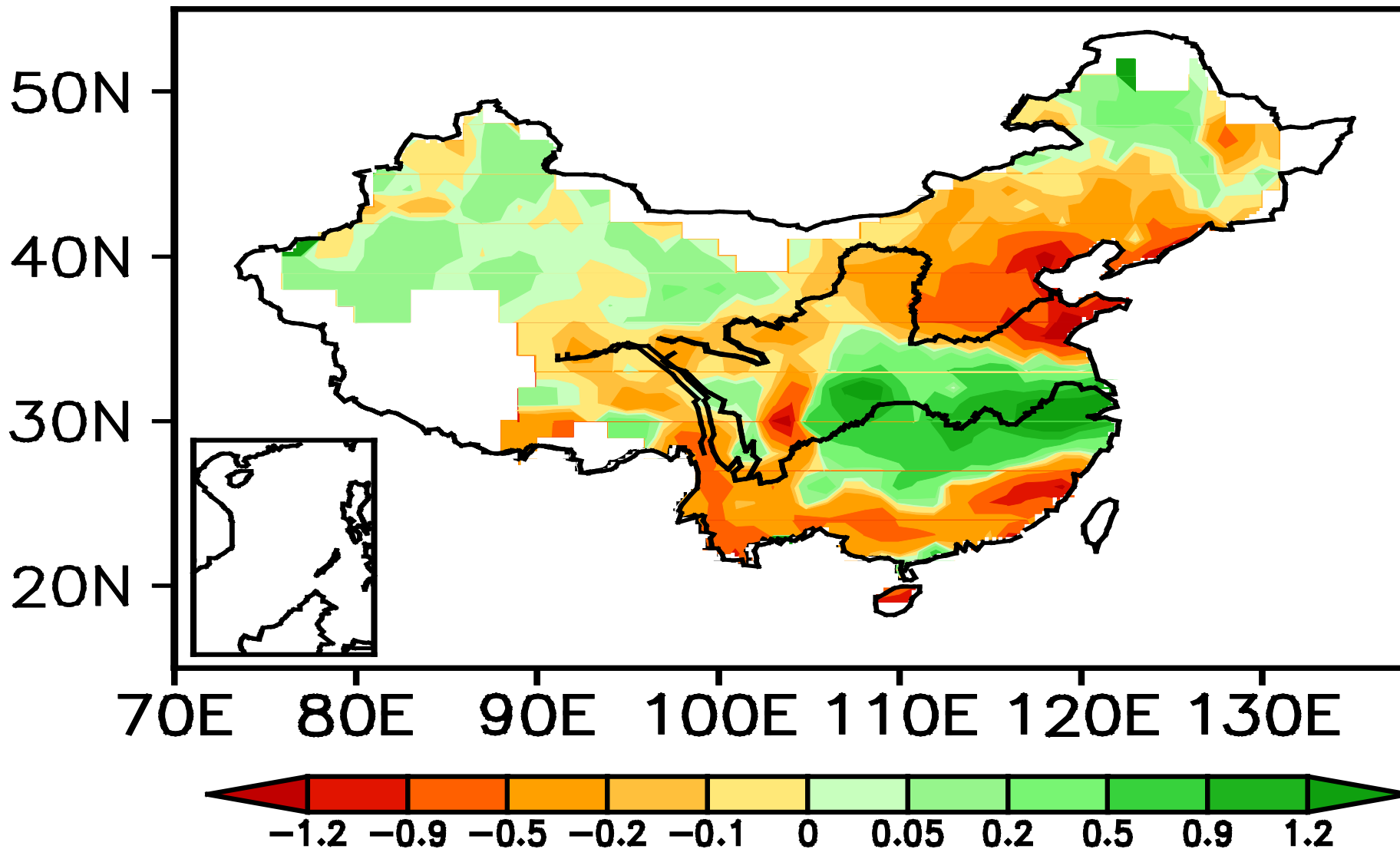
1970S

Monsoon Weakening

(After BCC, 2010)



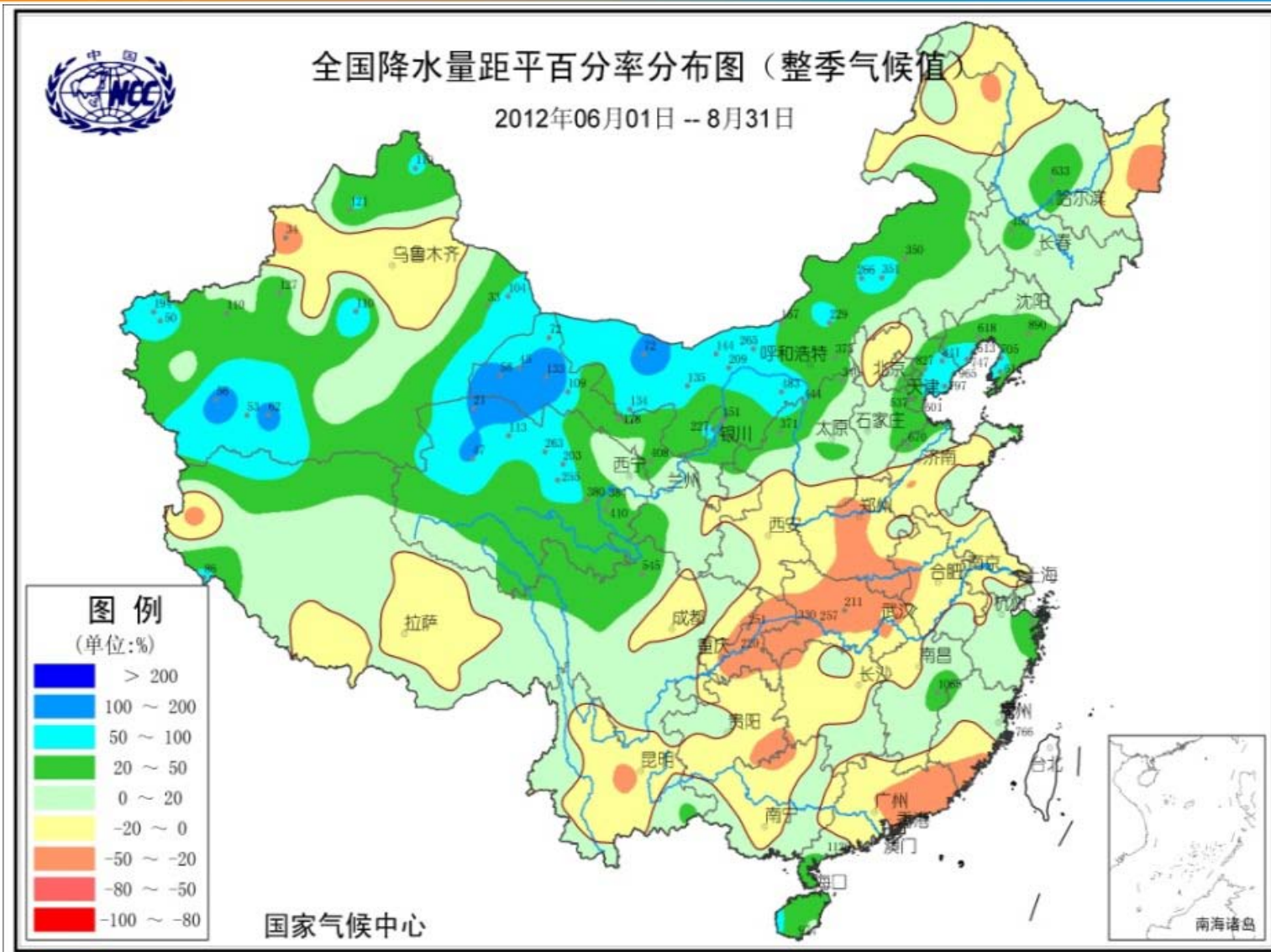
JJA rainfall trend (1950-2000)



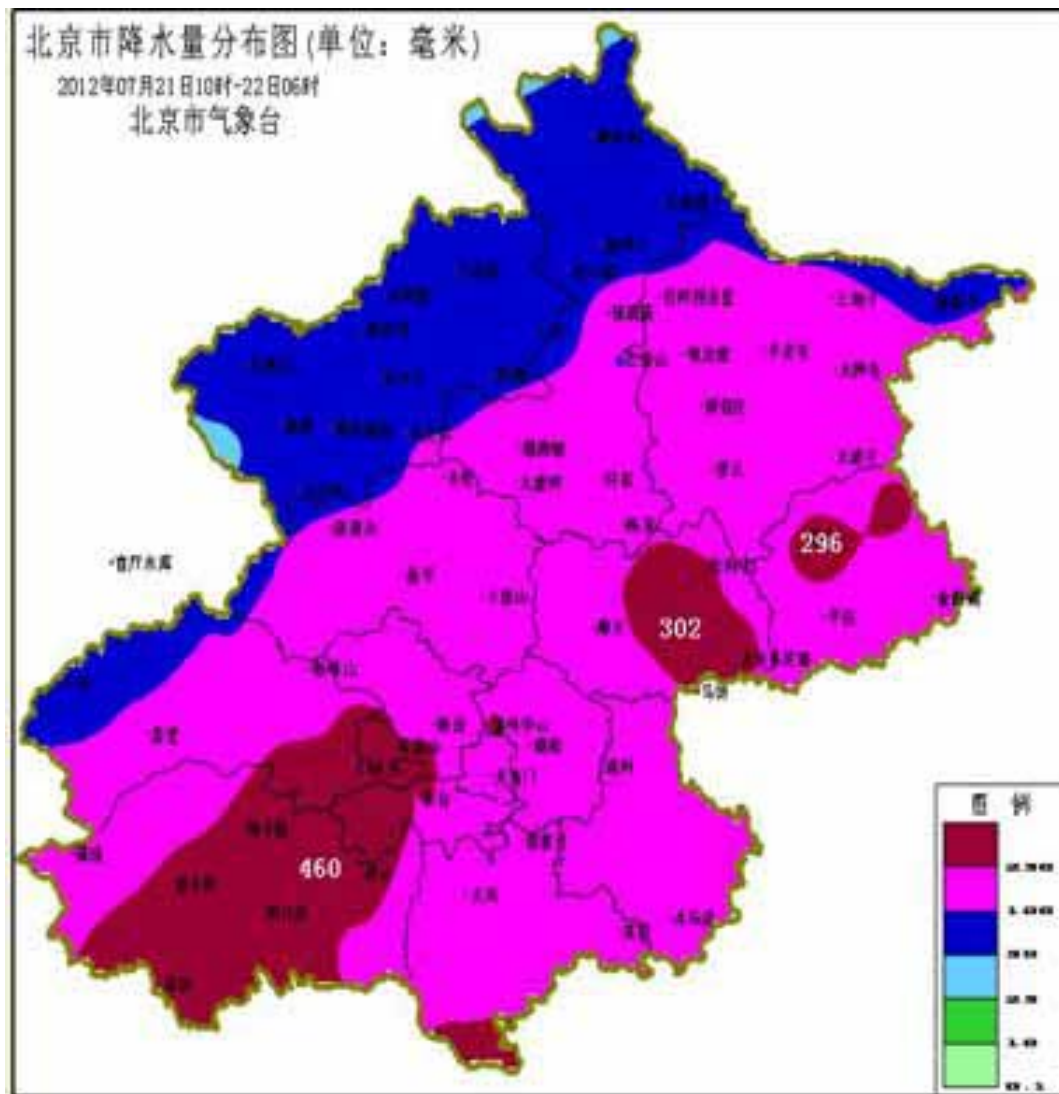
Zhou, T., D. Gong, J. Li, B. Li, 2009: Detecting and understanding the multi-decadal variability of the East Asian Summer Monsoon – Recent progress and state of affairs. *Meteorologische Zeitschrift*, 18 (4), 455-467



JJA rainfall anomaly of 2012



After BCC, 2012



Total Annual rainfall

1999: 266.9

2001: 338.9

2007: 483.9

2010: 533.8

2011: 721.1

