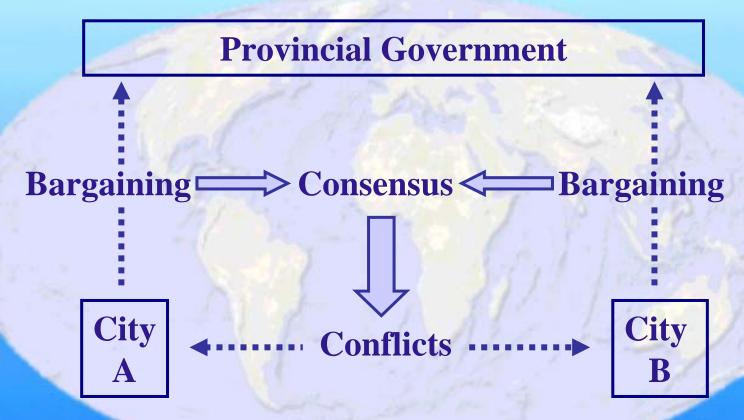
"Fragmented authoritarianism" model



Reform: complicates bargaining relations

- reform: decentralization of authority
 - ⇒ central: coercive means ↓
 - ⇒ central: ideology ↓
 - ⇒ local units: resource autonomy û
 - ⇒ local units: bargaining position û

Water and bargaining

- water decisions: best reveal bargaining process
 - **⇒** scarce resource
 - **⇒** multiple users (one use precludes another)
 - **⇒** transboundary (administrative)



Drainage area:

 $35,340 \text{ km}^2$

Mainstem:

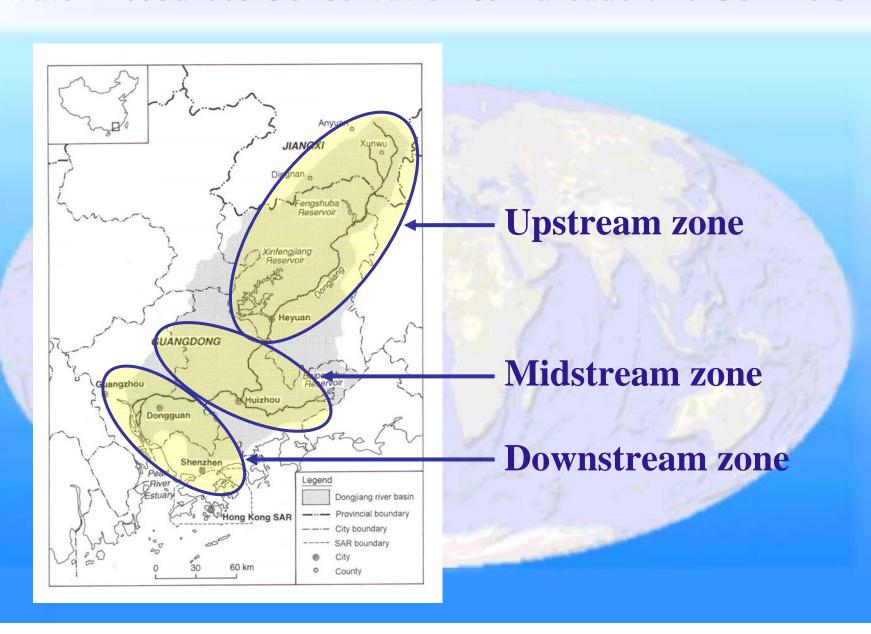
562 km

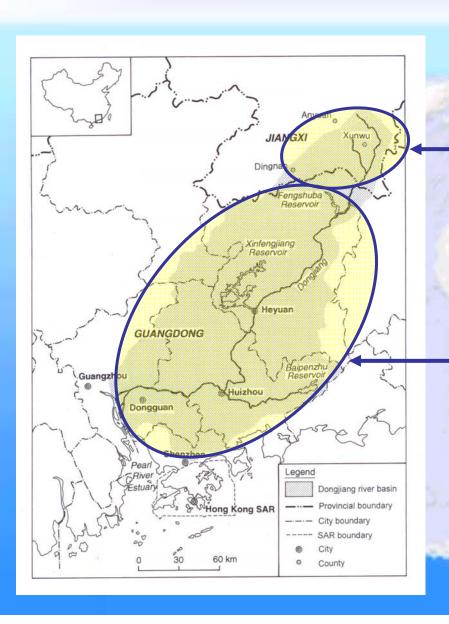
Annual average discharge:

32.66 billion m³

Population served:

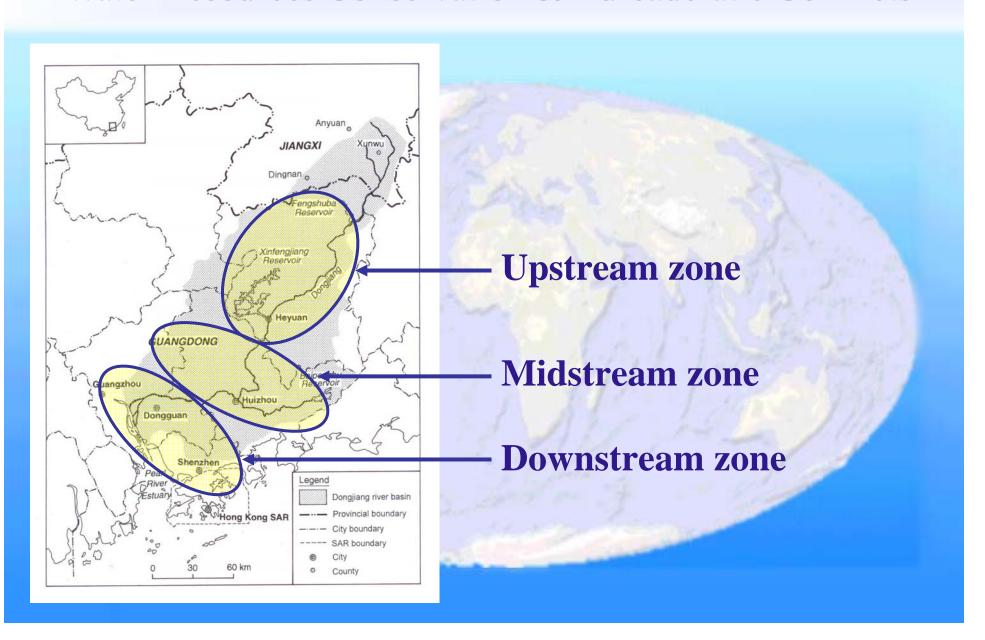
45 million

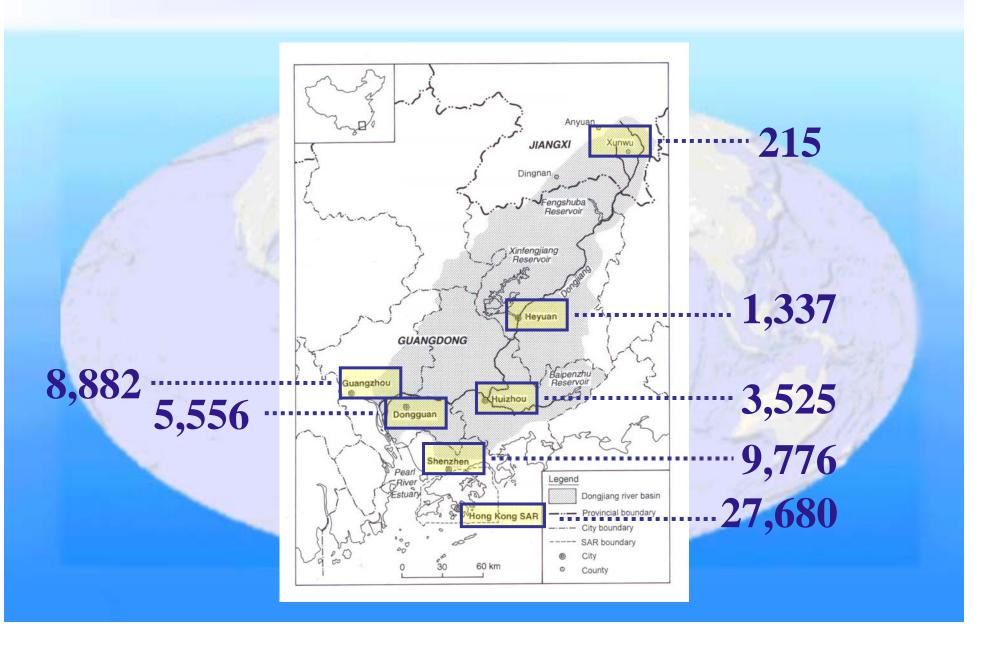




- Upstream zone
10% drainage area
6% annual discharge

Downstream zone
90% drainage area
94% annual discharge

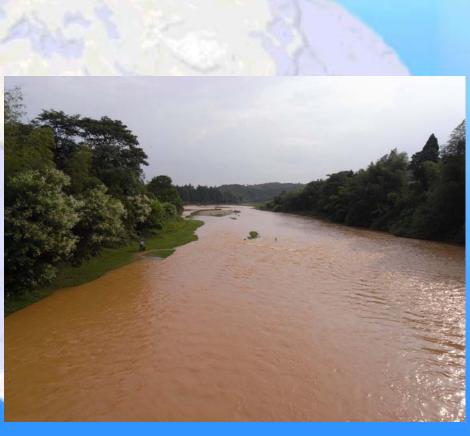


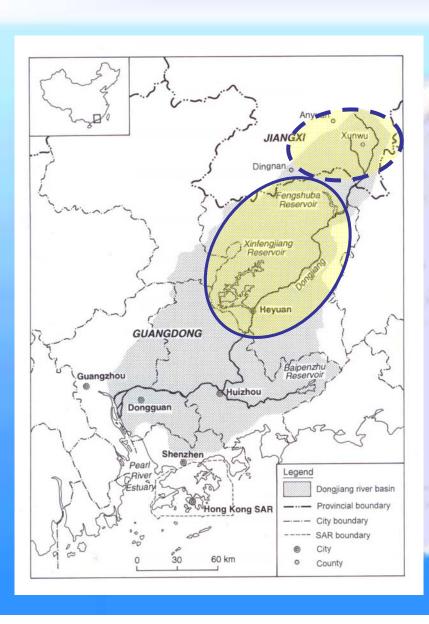






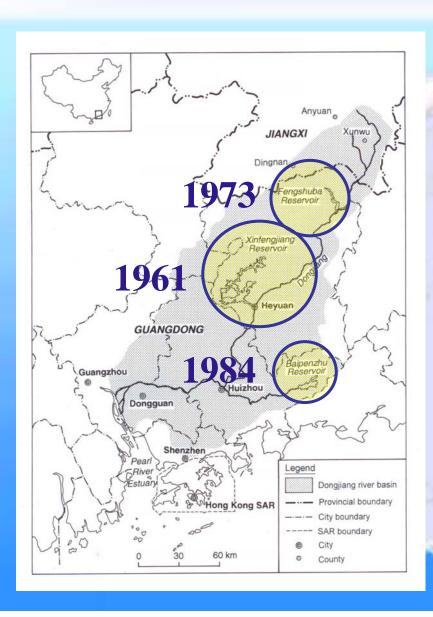






Upstream zone:

- water resources conservation
 - ⇒ shut down polluting ind.
 - **⇒** refuse polluting investment

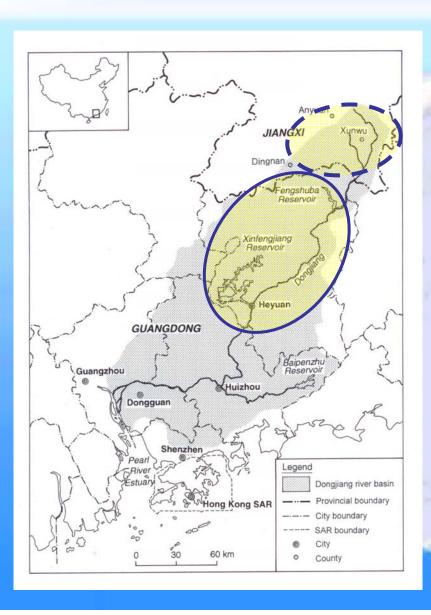


Upstream zone:

- water resources conservation
 - **⇒** reservoir migrants
 - **⇒** conservation forest

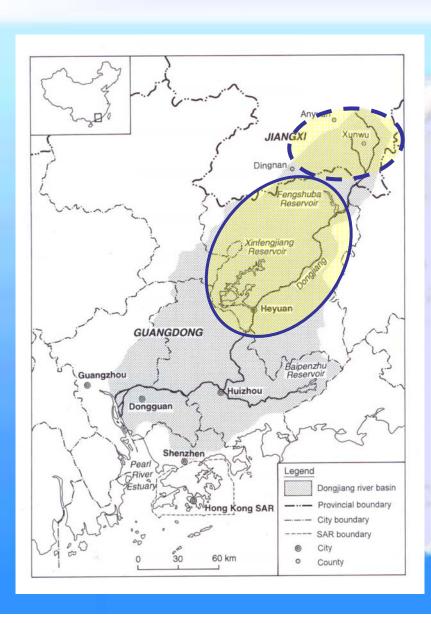






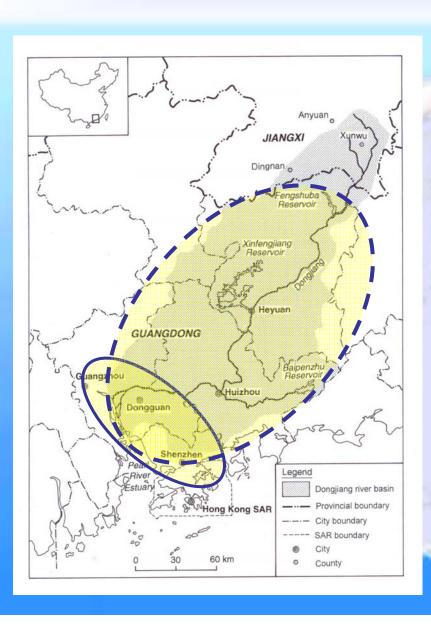
Upstream zone:

- unfair distribution of burden
 - **⇒** intra-basin disparity
- development restricted
 - **⇒** underdevelopment
- priorities
 - ⇒ "ecological compensation"
 - **⇒** supportive policies



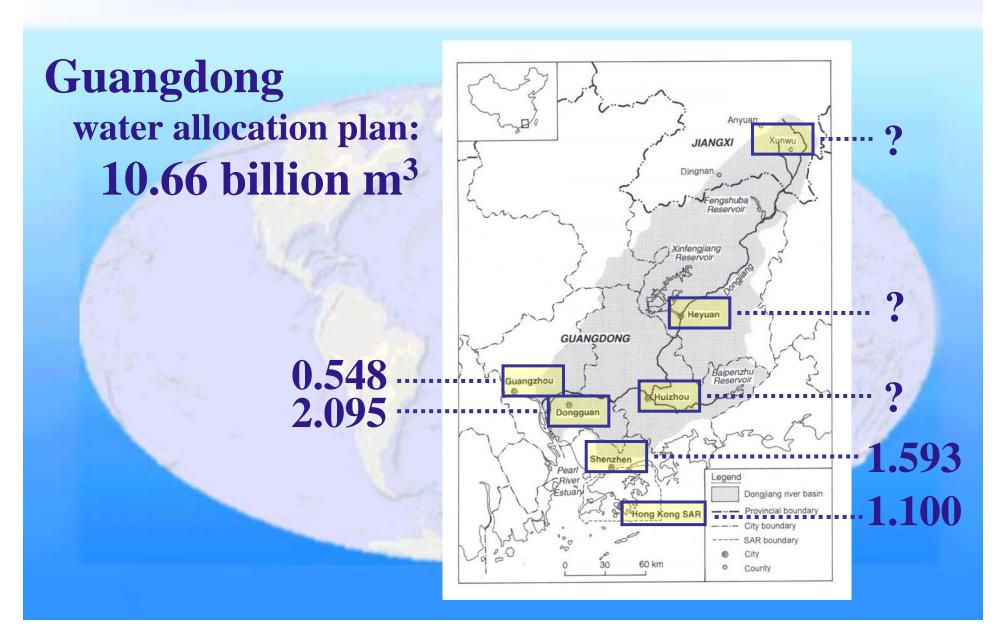
Upstream zone:

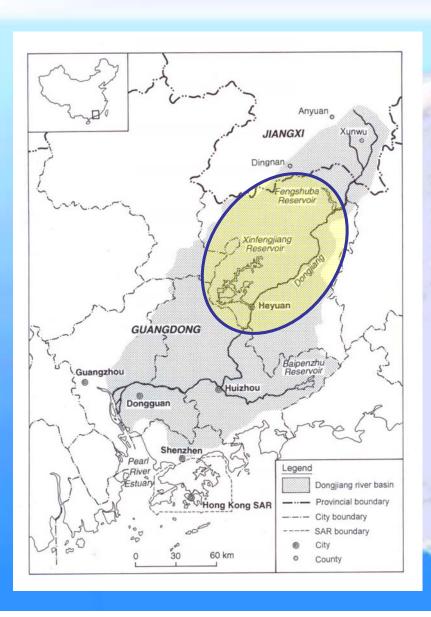
- bargaining actions
 - **⇒** publicity
 - **⇒** propose legislation
 - **⇒ plead w/ higher-ups**
 - **⇒ plead** w/ downstream



Downstream zone:

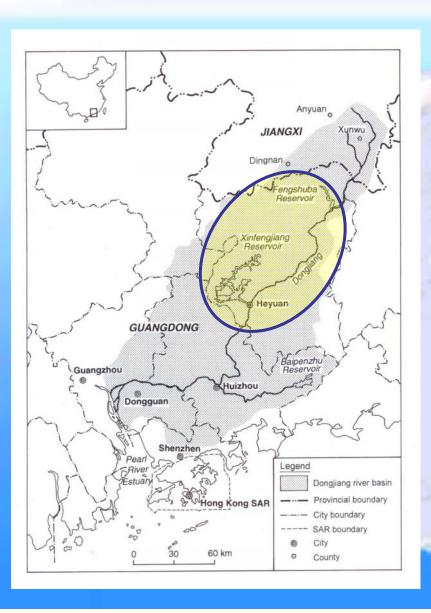
- resist direct compensation
 - **⇒** higher authorities to handle
- priorities
 - ⇒ clean & sufficient water
- bargaining actions
 - **⇒ plead w/ higher-ups**





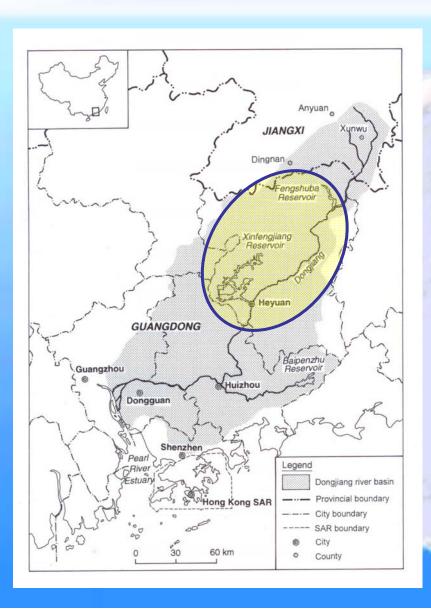
Dongjiang River Basin compensation:

- targets
 - **⇒** reservoir migrants
 - **⇒** conservation forest farmers
 - **⇒ Heyuan City Government**



DJ Basin compensation:

- reservoir migrants
 - **⇒ 2006: Y600/per/yr**
 - **⇒ 1958-2002: Y100/per/yr**
- funding sources (2003)
 - **⇒ power plants: 0.5¢/kW**
 - **⇒** electricity rate increase
 - **⇒ GD** government
 - **⇒** Central government



DJ Basin compensation:

- conservation forest

⇒ state: 1.58 million mu

⇒ GD: 6.17 million mu

- funding sources

⇒ 1999 (GD): Y2.5/mu

⇒ 2000 (GD): Y4.0/mu

⇒ 2003 (GD): Y8.0/mu

⇒ 2004 (CG): Y5.0/mu

- income loss: Y37.4/mu



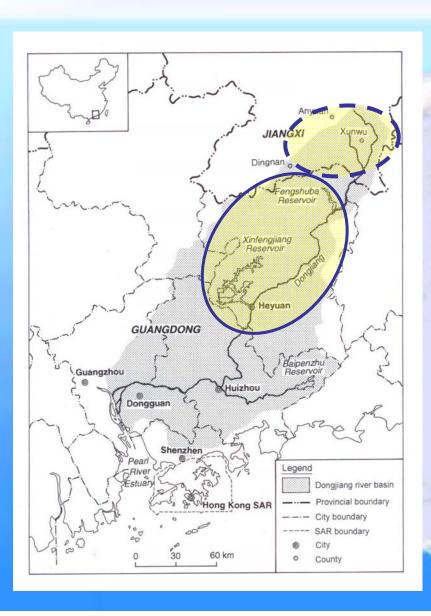
DJ Basin compensation:

- Heyuan City Government
 - ⇒ fiscal transfer (not compensation)
 - **⇒** industry transfer park
 - **⇒** cellphone production ctr



Compensation for Xunwu?

- ?



Conclusion

- new bargaining strategies
 - ⇒ direct, bottom-up
 - **⇒** extra-bureaucratic channels
- grievances: unresolved
 - **⇒ undermine long-term** conservation efforts



Further research:

- water resource fee
 - ⇒ rate?
 - ⇒ collection?
 - **⇒** purposes?
- water fee
 - ⇒ rate?
 - **⇒** collection?
 - **⇒** purposes?



Further research:

- "ecological compensation"?

or

- "payment for environmental services"?