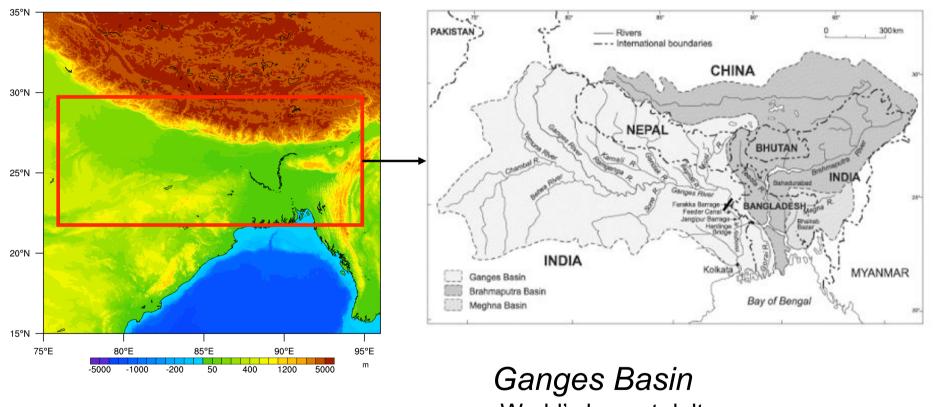
Comparison of CHyM and MPI-HD models in prediction of hydrologic discharge of Ganges and Bramahputra Basins for 1998 flood event

Deniz Bozkurt, Marco Otto, Shamsuddin Shahid

Outline

- 1. Study area (Ganges and Bramahputra Basins)
- 2. Climatology
- 3. CHyM and MPI-HD models
- 4. Model results
- 5. Conclusion

Ganges and Bramahputra Basins



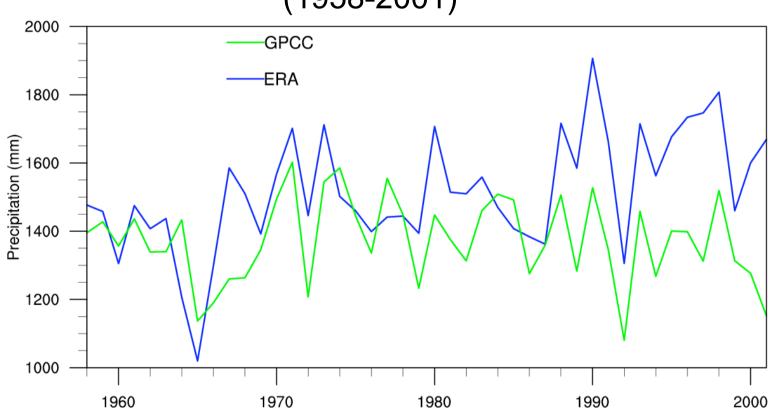
- •World's largest delta
- •1,086,000 km2

Bramahputra Basin

•580,000 km2

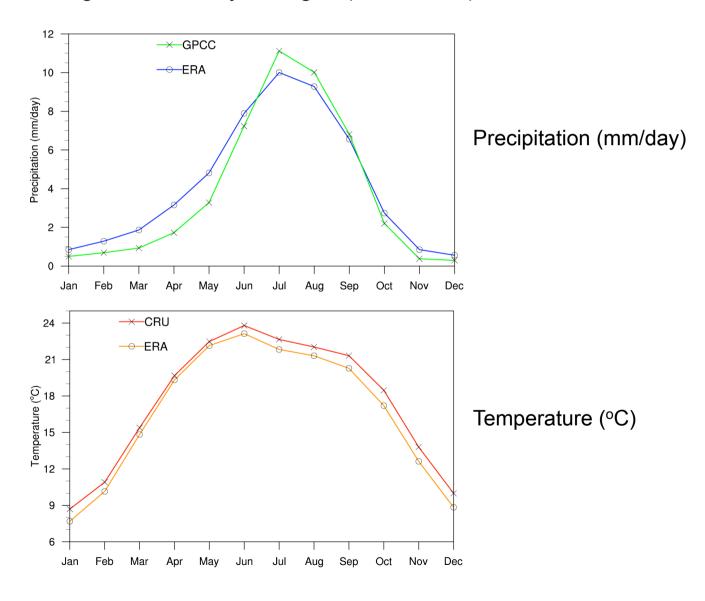
Climatology

Precipitation (mm) (1958-2001)



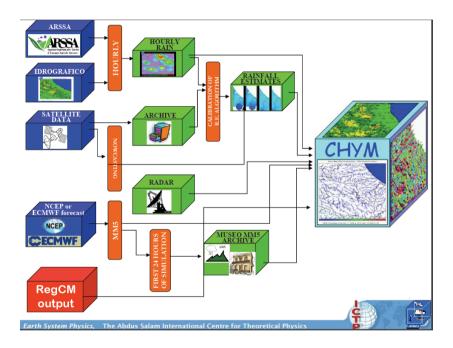
Climatology

Long-term monthly changes (1958-2001)

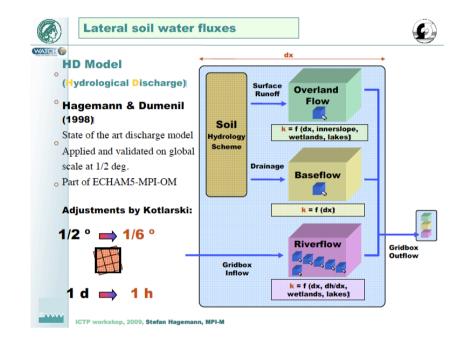


CHyM and MPI-HD models

CHyM



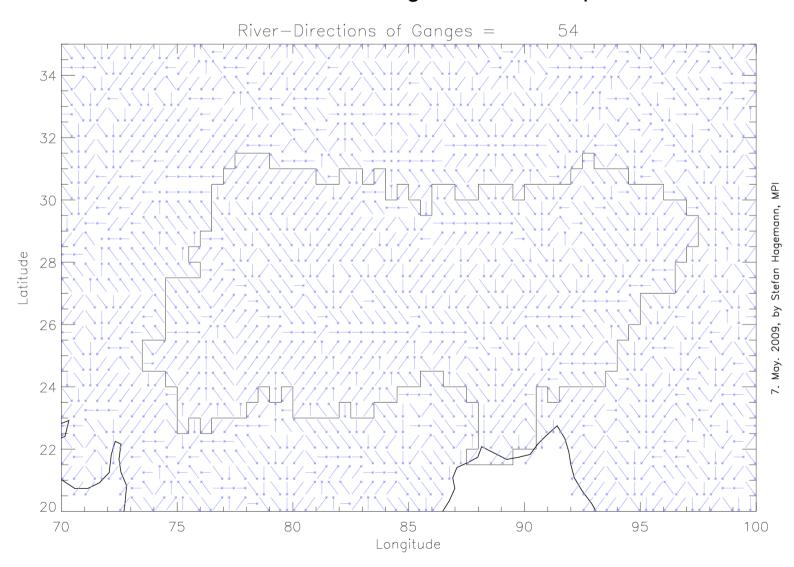
MPI-HD



Model results

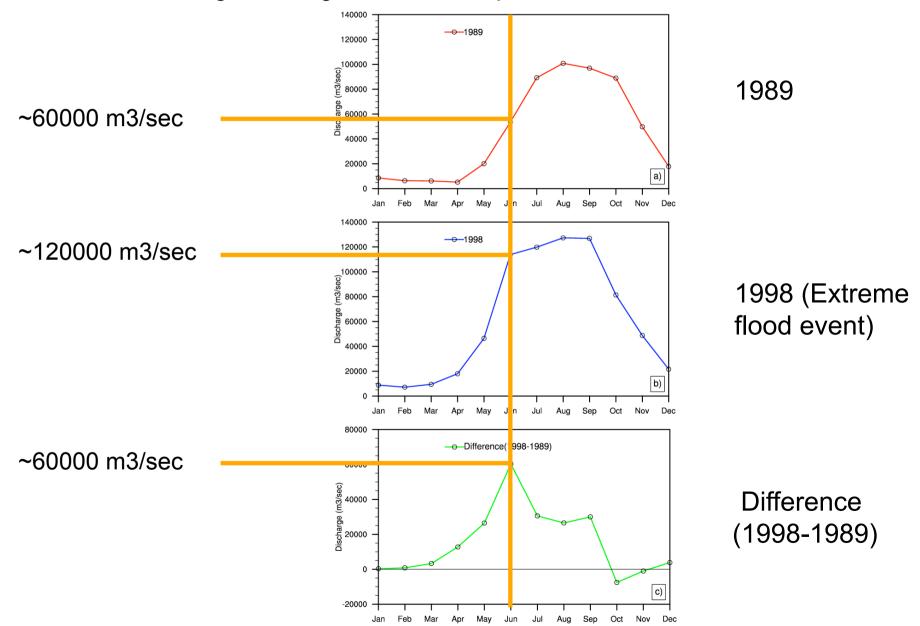
MPI-HD

River directions of Ganges and Bramahputra Basins

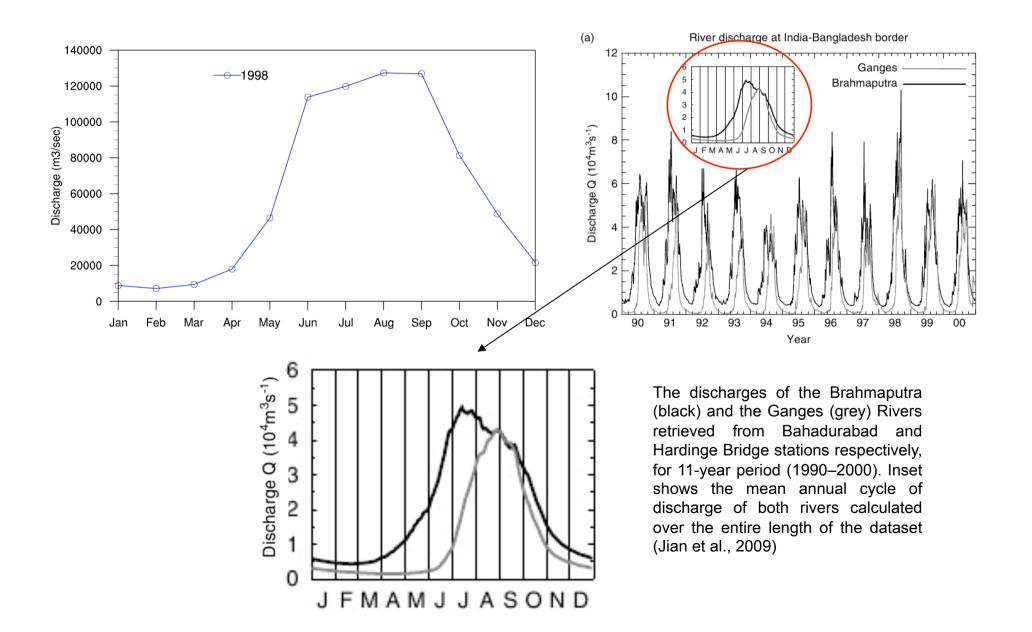


MPI-HD

Simulated discharge of Ganges and Bramahputra Basins



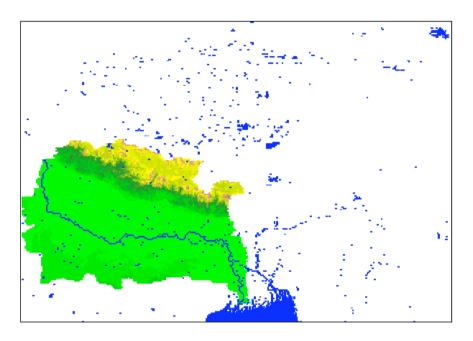
MPI-HD Simulated discharge of Ganges and Bramahputra Basins



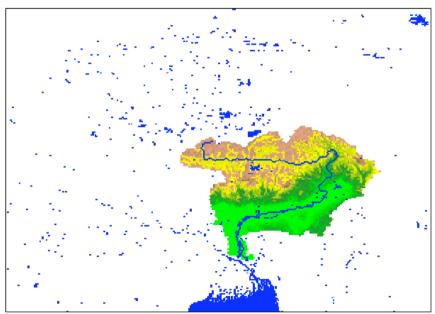
Model results

CHyM

Ganges Basin

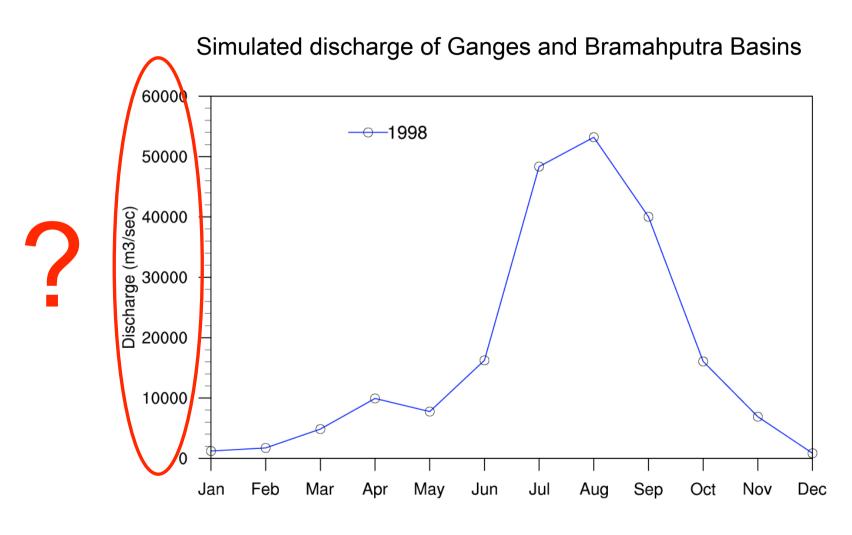


Bramahputra Basin



Model results

CHyM



Conclusion

Ei weiß, dass Ei nix weiß...



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Thank you for your attention...