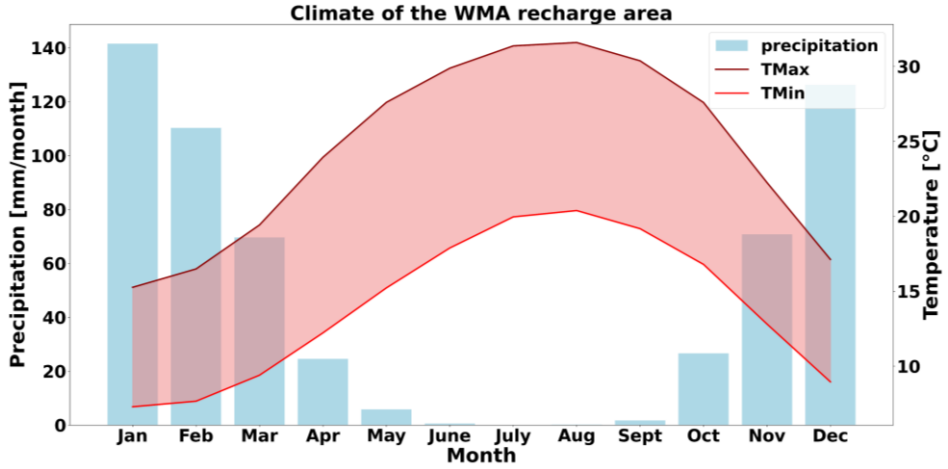
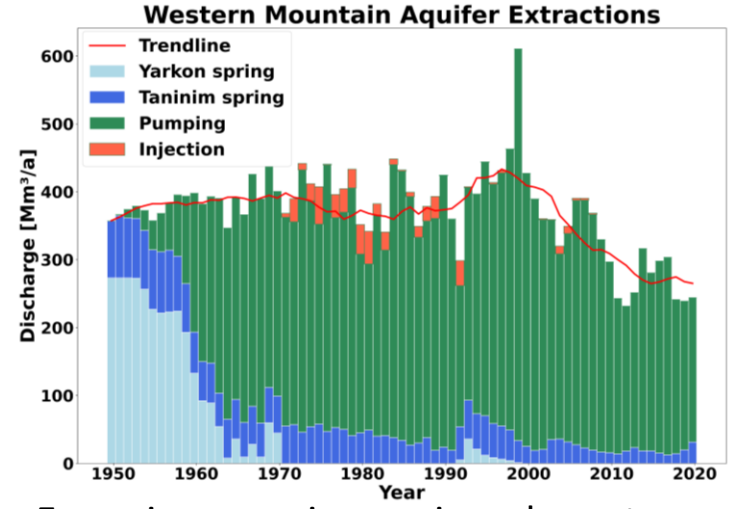
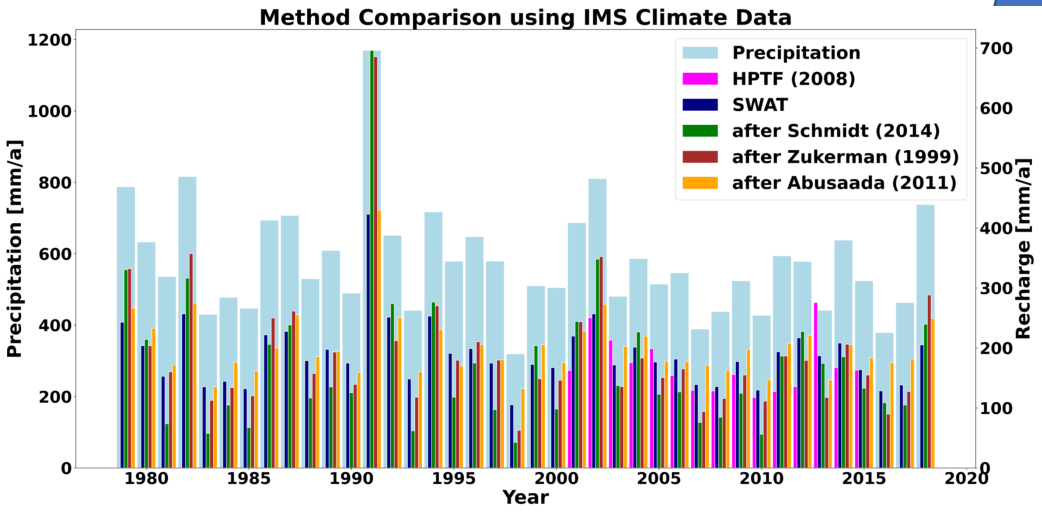
Comparison of methods for recharge estimation and prediction in karstic aquifers under Mediterranean Climate



- Mild/wet winter
  - ➢ Erratic runoff
- hot/dry summer
  - ➢ dry soils

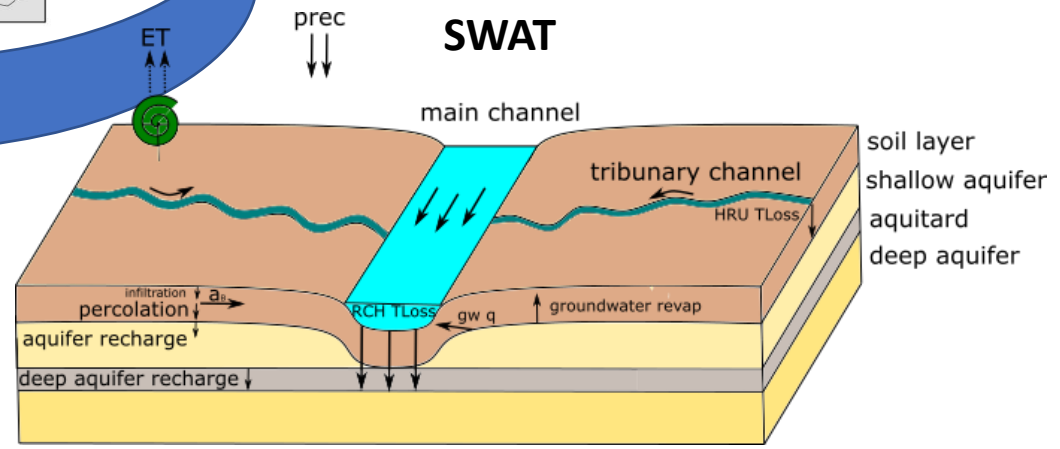


- Excessive pumping: springs dry out
  - ➢ Necessary to couple with recharge



- SWAT correlates with published recharge estimations
- Reduction of 16 % from period 1980-00 – 2050-70 (from climate projection CMCC)

	mm/a
SWAT	199
HPTF	170
Schmidt	173
Abusaada	201
Zukerman	192



Excisting Tool: Empirical equations for annual recharge of aquifer
New Model: Calculate daily recharge for small defined regions

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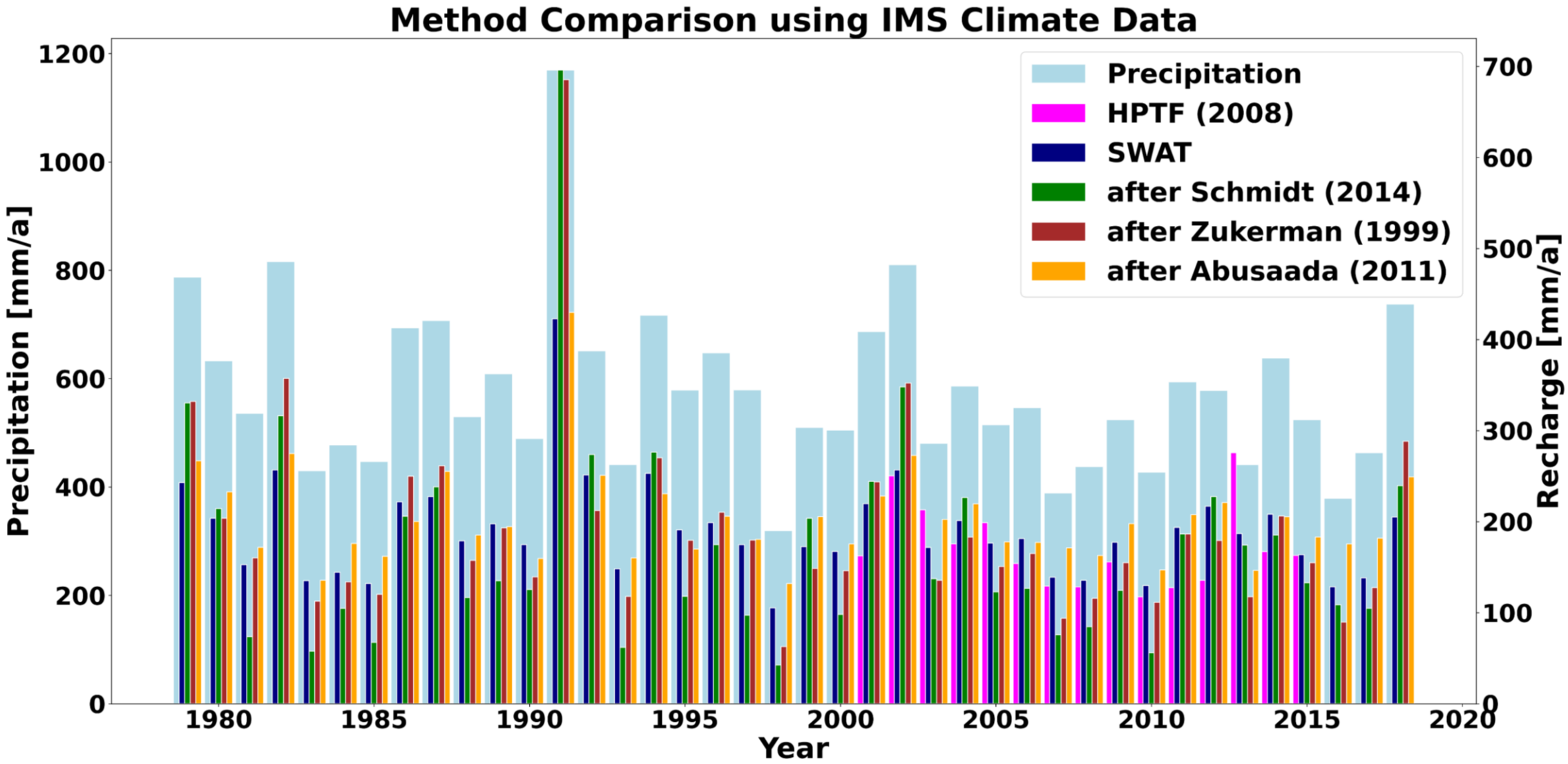

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