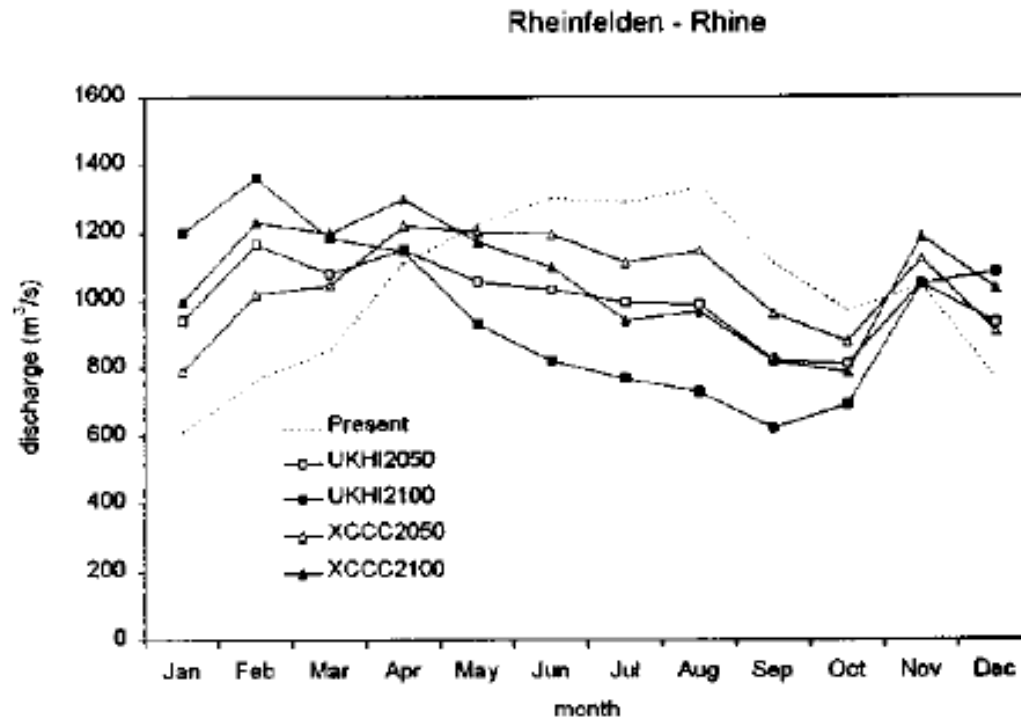

Comprehension of data presentation methods

-
- How well do you understand the various displays

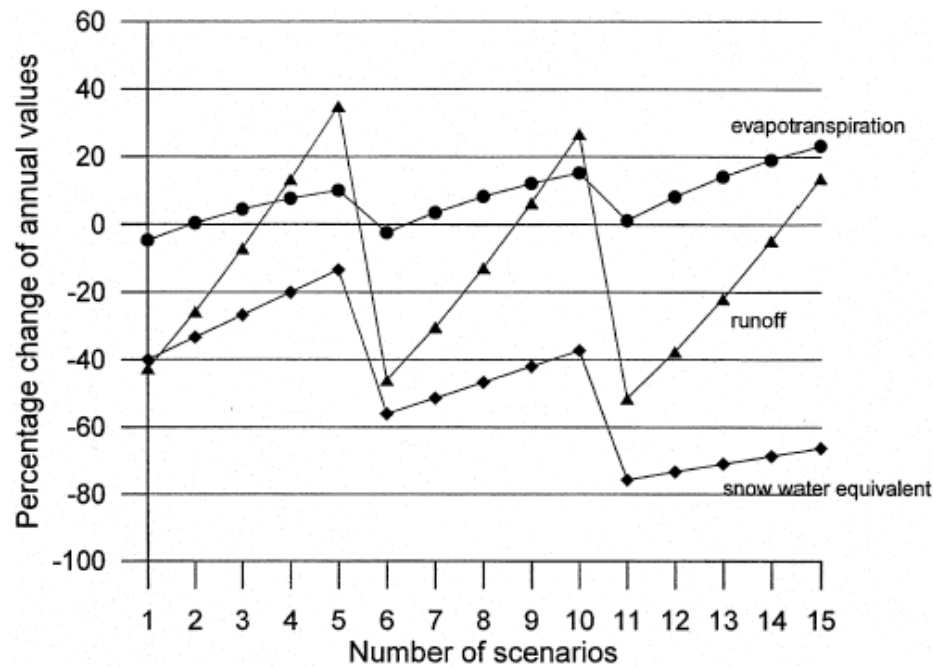
Monthly average discharge – comparing the present and future scenarios

- Monthly average discharge at a gauging station in the Rhine. Displaying the present and two climate change scenarios (UKHI and XCCC), each for 2050 and 2100.



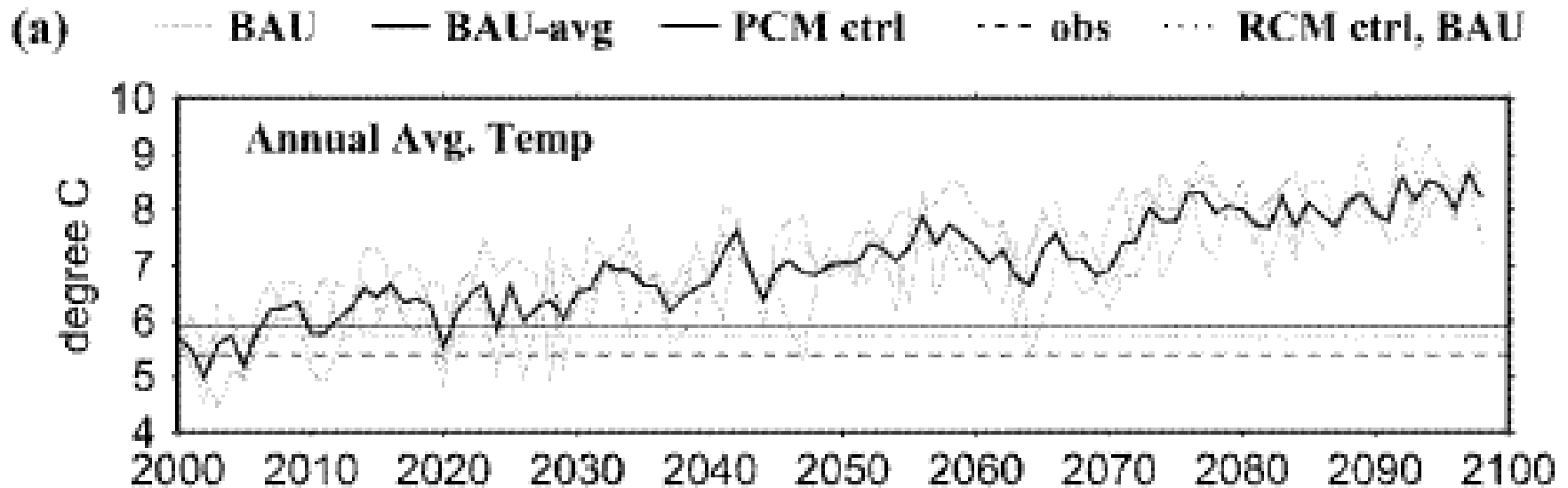
Percentage change of annual values

- Percentage change of annual snow water equivalent, evapotranspiration and runoff from 15 climate change scenarios, averaged from 25 catchments.



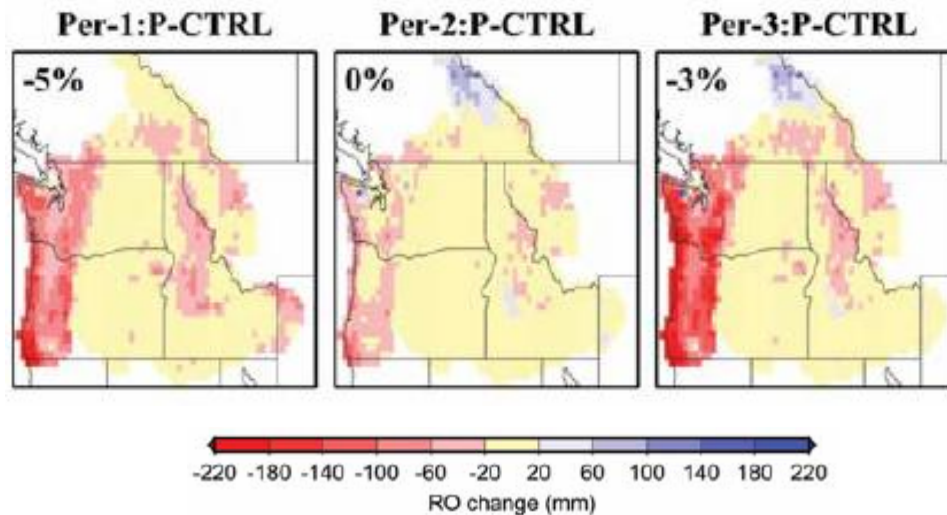
Annual average – comparing observed, controls and future predictions

- The annual average temperature, comparing long term average control (ctrl) climates from a Parallel Climate Model (PCM) and a Regional Climate Model (RCM), observation average based on the period 1950 to 1999 and three business as usual emission scenarios produced by the PCM, together with the average of the three.



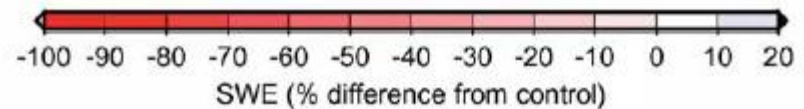
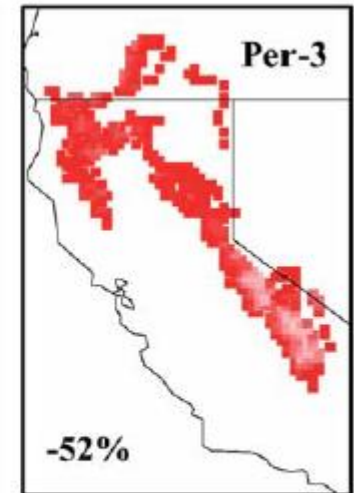
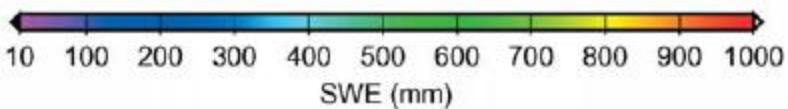
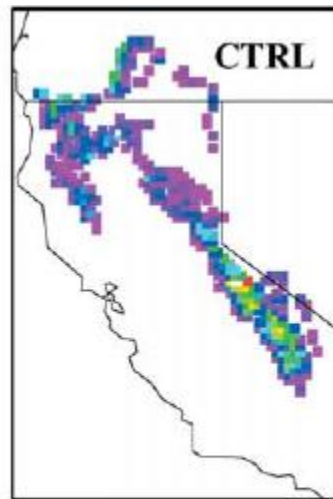
Spatial display- change in runoff magnitude for future versus control

- Spatial displays of changes in runoff – comparing three future scenarios to a control run.



Spatial display - % difference between control and future scenarios

- Left – snow water equivalent control
- Right – % change in snow water equivalent from control for 3 future periods



Definitions

- **Business as usual/climate change scenarios** – Different future emission estimates
 - **Control run** – Simulating the climate with the forcings as they were observed in a specific period. Shows how well the model simulates the observed climate, reflects how biased the model might be and gives ground for comparison to model runs based on different future emission scenarios.
 - **Snow water equivalent** – The total water content in all the phases of the snowpack
 - **Evapotranspiration** – The sum of evaporation and plant transpiration from the Earth's surface
 - **Runoff** – The water flow which occurs when soil is infiltrated to full capacity and excess water from rain, snowmelt and other sources flow over the land.
 - **Discharge** – The volume rate of water flow
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- Please complete the questionnaire

Thank you
