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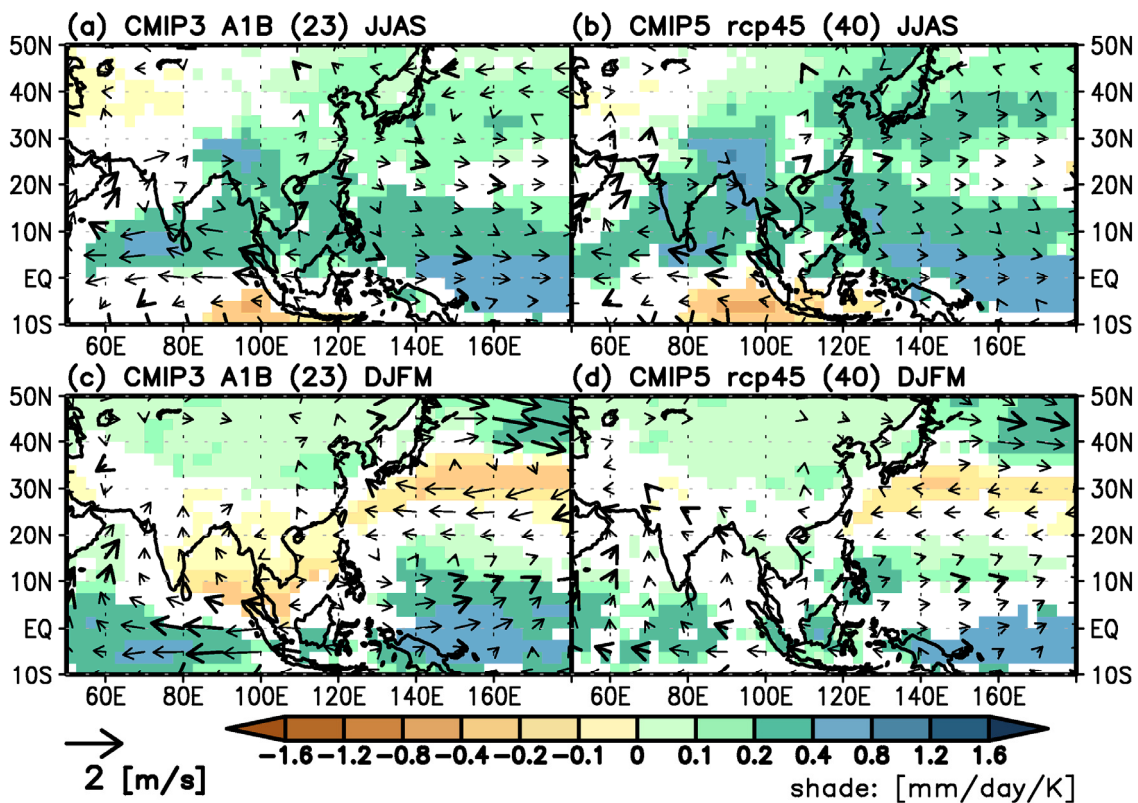


Figure 1: Future changes in (a, b) June–September and (c, d) December–March mean precipitation and 850 hPa wind fields. (a, c) 23-model CMIP3 multi-model mean under the SRES A1B scenario, and (b, d) 40-model CMIP5 multi-model mean under the RCP4.5 scenario with a common 2.5° by 2.5° grid. Grid points where two thirds of models agree on the sign of the changes are shaded for precipitation, and shown in bold vectors for both zonal and meridional winds.

- An overview of the Asian monsoon and its change as simulated by AOGCMs and high-resolution AGCMs, focusing on the seasonal mean circulation and precipitation climatology. It consists of "Elements that affect the monsoon", "The monsoon in the historical period", and "Future projections of monsoons".
- Overall projections are similar for both CMIP3 and CMIP5 models, with increases in precipitation, albeit with weakened circulations in the South Asian summer, enhanced circulations and increased precipitation in the East Asian summer, and latitude–dependent changes in the winter monsoon circulation in East Asia. However, differences exist in the projected local changes, leading to uncertainty in projections.