

## SPARC Workshop SHARP2016

## **Branching out: Brewer's versus Dobson's circulation**

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An overview of the Brewer-Dobson circulation will be presented from the perspective of the different (shallow versus deep) circulation branches and their associated transport characteristics. We will review the wave driving of the circulation branches and their past and future trends. Specific focus will be placed on transport mechanisms behind the upwelling at the tropical tropopause and its seasonal cycle as well as on lowermost stratospheric exchange between the tropics and extratropics.