HMA multimodel ensemble trends versus bias (1979-2014) **Near-Surface Air Temperature Snow Cover Extent Total Precipitation** 0.2 APHRODITE CRU NOAA CDR 1.4 **ERA-Interim ERA-Interim ERA-Interim** ERA5 ERA5 ERA5 0.15 -1.2-**GPCP** pr trend [mm/day/dec] tas trend [°C/dec] snc trend [%/dec] 0.1 0.8 **DJFMA** 0.05 -3 0.4 0.2 y = 0.02x + 0.44(0.02)y = 0.02x + -1.4(0.07)v = -0.01x + 0.03 (0.42)а -0.05 -5-20 40 -10 -5 _<u>2</u>0 0.2 CRU NOAA CDR **APHRODITE** 1.4 **ERA-Interim ERA-Interim ERA-Interim** ERA5 ERA5 ERA5 0.15 -1.2 **GPCP** pr trend [mm/day/dec] tas trend [°C/dec] snc trend [%/dec] 0.1 **JJAS** -2-0.05 -3-0.4 0.2 -4 y = -0.01x + 0.37 (0.56)y = -0.07x + -0.68(0.00)y = 0.02x + 0.0 (0.04)d е -0.05 -10 -5 -20 0 20 40 tas bias [°C] snc bias [%] pr bias [mm/day]