Summer precipitation

The projected precipitation changes of the summer season are presented in Fig. B.7. For the northern Mediterranean and southern Europe, the projected changes are relatively mild and were found to range between ±10%. For parts of the southern Mediterranean, a precipitation increase is projected, however, this is not always significant in actual precipitation amounts since

summer precipitation is limited (not shown). This increase, that varies in magnitude between the different pathways and time periods, is likely related to a northward expansion of the inter-tropical convergence zone (Evans 2010). A strong summer precipitation decline is evident only for the end of the current century and the RCP8.5 pathway (Fig. B.7 - bottom right). This is apparent for most of the Mediterranean and southern Europe.



Figure B.7 | Projected changes in summer (June, July, August) precipitation between the recent past reference period (REF: 1980-1999) and three future sub-periods (NEAR: 2020-2039, MID: 2040-2059, END: 2080-2099), based on the ensemble mean results of the EURO-CORDEX high-resolution simulations for pathways RCP2.6 (left panels) and RCP8.5 (right panels).

<-60 -50

-40 -30

-20 -10

Ó 10 20 30 40 50 >60

0/

< -60 -50

-40 -30 -20 -10

Ó 10 20 30 40 50 >60