

**PARALLEL SESSION B : FRONTIER DOWNSCALING TOOL
B2: HUMAN-CLIMATE REGIONAL INTERACTIONS, TOWARDS RESMS**

Regional climate-chemistry simulations over the med-cordex domain

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We discuss results from the RegCM4 climate chemistry model applied to the study of ozone and aerosol cycles over the Mediterranean basin for present and future climate conditions. We put the emphasis on the ability of the coupled climate chemistry model to simulate international variability of surface ozone in relation to climate extremes and air quality.

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