



## **Mid Latitude Extreme Precipitation under future changed climate Mid Latitude Extreme Precipitation under future changed climate Mid Latitude Extreme Precipitation under future changed climate**

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Precipitation patterns under global warming scenario are statistically analyzed for two mid-latitude regions: Mediterranean and North Europe, North America. Simulation data from INMCM.3 GCM are used. Changes in intensity, frequency, duration and amount of precipitation due to climate changes are investigated. Furthermore we analyze all the components of hydrologic cycle, including runoff, transpiration, as well as, plant productivity with focus at annual cycle and extreme events. The consequences on water resources management of precipitation pattern changes are discussed.