Geophysical Research Abstracts
Vol. 16, EGU2014-13918-1, 2014
EGU General Assembly 2014

A new approach in climate modelling strategies to provide climate information based on user needs

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In the framework of CLIMRUN EU FP7 project a new approach to plan the climate modelling activities has been proposed and applied. In particular a bottom-up approach mainly driven by the specific needs of end users has been adopted. In this perspective, the new climate information for Mediterranean region provided from new modelling activity have been tailored on the users needs raised in several Stakeholders Workshops organized at the early stages of the project. At the beginning of the project, several different options of possible developments for new modelling tools have been proposed by climate researchers involved in the project. Taking carefully into account the ranking of priorities suggested by end-users, the climate researchers could set a more focused research line fitting the expectations of stakeholders. New modelling tools to improve the representation and projection of surface wind speed, surface solar radiation, trend of extreme events, temperature of lakes and islands of Mediterranean have been successfully developed. Here we report some of the major outcomes from the new tools and more in general some recommendations about the future role of climate researchers in developing climate services.The results here reported could be useful also in the othe ongoing experiences about climate services such as projects SPECS, EUPORIAS...