

Space Weather Activities in COST 271 Action

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COST (Co-operation in the Field of Scientific and Technical Research) 271 Action on the Effects of the Upper Atmosphere on Terrestrial and Earth Space Communications (**EACOS**) is a four year project of the European Union formally initiated in October 2000 and currently involving 28 institutions in 18 countries. Its main objective is to perform studies to influence the technical development and the implementation of new communication services, particularly for the GNSS and other advanced Earth-space and satellite to satellite applications. In doing so the Action will stimulate further co-operation in the domain of ionospheric and plasmaspheric prediction and forecasting for terrestrial and Earth-space communications, including interactive repercussions on the corresponding standards in this field, taking into account the present and future needs of users. This paper summarises the principal elements of research carried out to date: (i) to develop methods and algorithms to predict and to minimise the effects of ionospheric perturbations and variations on communications and (ii) to collect additional and new ionospheric and plasmaspheric data for now-casting and forecasting purposes.

For more information see: <http://www.cost271.rl.ac.uk/>

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