# Overview on the EU COST271Action: Effects of the Upper Atmosphere on Terrestrial and Earth Space Communications (EACOS)

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An overview of the main results achieved in the COST 271 Action on the Effects of the Upper Atmosphere on Terrestrial and Earth-Space Communications (EACOS) is briefly presented. The COST271 is a four-year action that follows the successful Actions COST 238 on PRIME (Prediction Regional Ionospheric Modelling over Europe) and COST 251 on IITS (Improved Quality of Service in Ionospheric Telecommunication Systems Planning and Operation). Special emphasis is given to the studies concerning the impact of the variability of the space environment on communications, the assessment of space plasma effects for satellite applications, the ionospheric effects on terrestrial communications and space plasma effects on Earth-space and satellite-to-satellite communications. The actual role of the COST271 action as well the future continuation of the activities in another action is discussed.