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Satellite wind information on the ocean surface (Scatterometer, Altimeter & SMOS)

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In this session we will present the main sources of dynamical information available from satellites. Dynamical information is currently extracted from satellite data in three ways. Firstly features can be tracked in a sequence of satellite images and the movement of the tracked feature used to deduce wind information. Secondly the wind stress induced roughening of the ocean's surface can modify both active and passive microwave observations and near-surface marine wind information can be obtained, usually through direct observation assimilation or through a retrieved 10m neutral equivalent windspeed (or vector).

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