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An European initiative to provide operational river observations and forecasts

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Rivers runoff exert a strong influence in their neighbouring coastal area in several ways such as modifying the water stratification, introducing significant fluctuations in circulation patterns and modulating the impact of upwelling events. However, coastal or regional ocean models are imposing, in general, river climatologies in their land boundaries. As a consequence, those model implementations are disregarding the interannual river variability in flow and its associated properties. For this reason, during the implementation of the EMODnet Physics phase III, operational observations and watershed modelling forecast for the main rivers and stations near the river discharge area will be increasingly made available to the public and research community through the EMODnet physics webpage. Watershed models implementation will be based on the MOHID Land model. Data management methods and standards are going to be presented.