

# Modelling long-term Evolution

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Collaroy's beach front houses were among those hardest hit by 2016 big storm



# Challenges

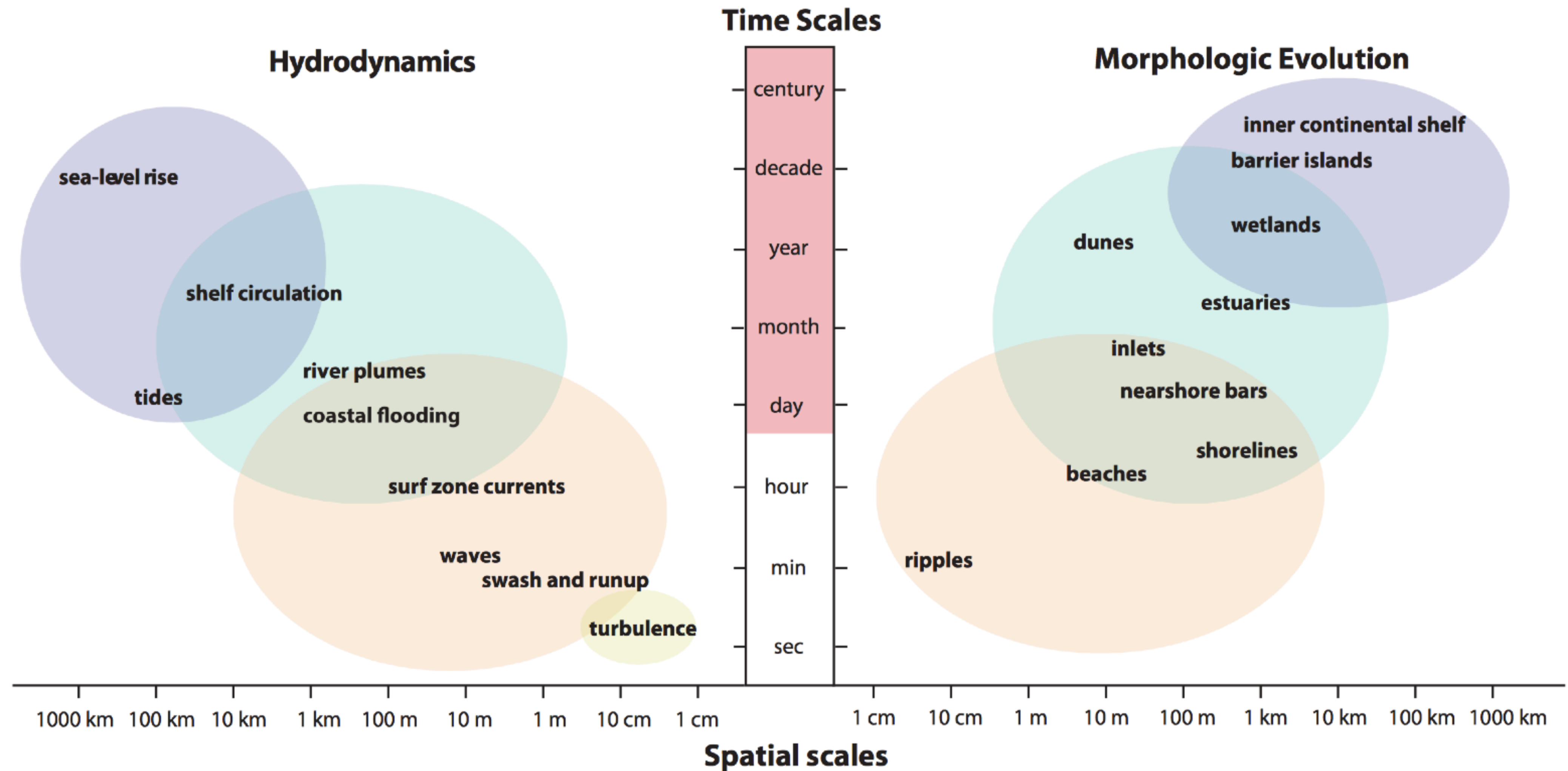


Figure 2. A conceptual representation of hydrodynamic processes and the morphologic evolution of coasts. The left side of the diagram indicates examples of fluid processes that influence changes in the morphologic features shown on the right. The processes and the features they shape occur on a wide range of spatial and time scales. The red shading indicates time scales over which humans also influence both processes and features in the nearshore environment.