ARGANS

WATERLINES

The waterline processor automatically determines the extent of the **land-sea boundary** from a satellite image.

These waterlines are then projected **using auxiliary data to provide a datum-based shoreline.**

SHORELINE TIME-SERIES

Continuous shorelines can be mapped over decades using the Sentinel satellite data. Coastal change **associated with seasonal variation, storm events and long-term trends** can then be determined.

LAND USE ASSESSMENT

Land use maps help in the **characterisation of risk for coastal management.** The landward boundary of the littoral zone is deliminated through three main coastal areas: **the backshore, the buffer zone and the beach.**

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