

GRIFFITH UNIVERSITY
CENTRE FOR COASTAL MANAGEMENT
Seminar Presentation

Presenter...
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Title: Application of region-wide monitoring data to inform coastal management; examples from south-east England.

Synopsis: Coastal monitoring projects within the United Kingdom have historically been confined to short stretches of coastline, usually established in conjunction with individual coastal engineering schemes or small scale process studies; they rarely investigate entire coastal process behavioural systems.

A large-scale, government funded, regional monitoring programme was introduced in 2002, to provide a systematic approach to collection, management and analysis of data for use in strategic and operational management of coastal erosion and flood risk in south-east England. Approximately 1000km of open sea and estuarine coast is covered by this programme and in 2010 it was rolled out nationally, delivering freely available data to all. www.channelcoast.org

The data is manipulated as part of the programme to supply user friendly outputs to the local engineers who manage the coastline. In addition, the data is further analysed as part of government research initiatives, producing valuable coastal processes information.

The research undertaken across the south-east coast of England informs management decisions at a strategic level, through the production of Shoreline Management Plans and at a local level through engineering schemes. In addition, the data is being used as a visual tool to engage the public on historical coastal change and possible future change under rising sea levels and increased storminess.

This talk will introduce the monitoring programme and focus on examples of data analysis and interpretation across the south-east coast of England covering;

- *habitat mapping and prediction under rising sea levels*
- *mapping of sediment stores and sinks*
- *cliff and landslide monitoring, mapping and prediction under a changing climate*
- *shoreline management plans*
- *beach management plans*
- *public engagement.*

Where: SWRC Seminar Room G51 GC campus

When: 20 February 2014

Time: 10:00am - 11:00am

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