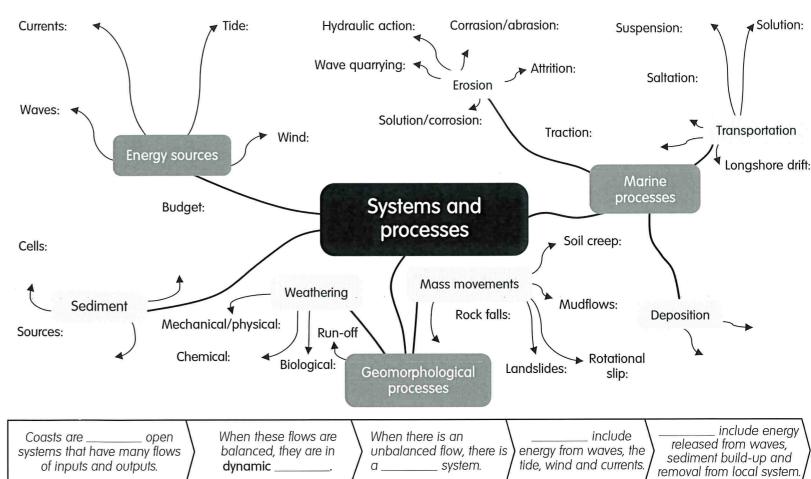
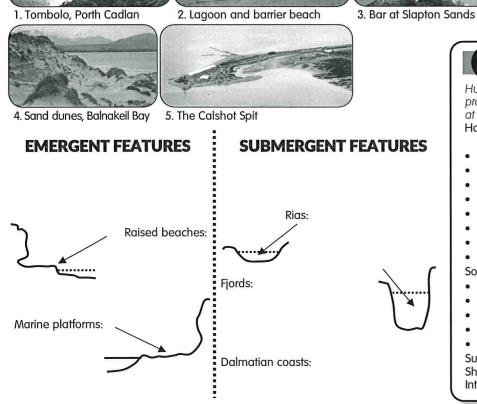


Enhanced

effect and

greenhouse





Anthropogenic

emissions.

COASTAL SYSTEMS and **LANDSCAPES**

SEA-LEVEL CHANGE

Eustatic change:



COASTAL MANAGEMENT

Human intervention in the coastline is often necessary to protect the landforms and natural processes of the coast, to conserve biodiversity as well as human settlements, especially those at risk from sea-level rise.

Hard engineering:

- Sea walls –
- Rock armour (riprap) –
- Gabions –
- Cliff fixing -
- Groynes –
- Revetments –
- Offshore reefs –
- Barrages -

Thermal

oceans...

- Soft engineering:
- Do nothing' approach –
- Beach nourishment –
- Dune regeneration Land-use management –
- Managed retreat
- Sustainable management

Shoreline management plans -

Integrated coastal zone management -

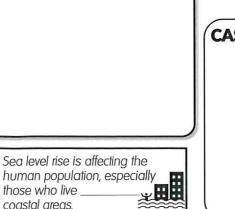
... and melting

run into the

that

those who live

coastal areas.





Mudflats



CASE STUDY

Salt marshes

Isostatic change:

Tectonic change:



SYNOPTIC GEOGRAPHY



Climate 🚜

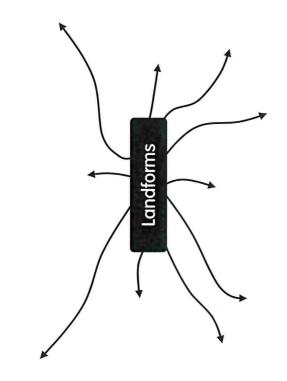
change 🕒

LOCAL COASTAL PROCESSES:



FACTS AND FIGURES

Photos



SUSTAINABLE MANAGEMENT

COASTAL LANDSCAPES BEYOND THE UK:

Map and photos

FACTS AND FIGURES

OPPORTUNITIES ALONG THE COAST:

CHALLENGES ALONG THE COAST:

