


## European and National


Ref	Organisation	Date	Project	Data Used							National	
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
1	Environment Agency	2010	Coastal Issues Awareness e-learning Modules	✓	✓	✓						
2	CIRIA	2009	Beach Management Manual	✓								
3	Environment Agency	2010	National Coastal Erosion Risk Mapping	✓	✓	✓	✓			✓		
4	Defra/Environment Agency	2008	Coastal Geomorphological Systems R&D	✓	✓		✓					
5	European Union	2010-11	Innovative Management of Europe's Eroding Coastlines (IMCORE)							✓	✓	Use of data to create Digital Ground Models for assessment of sea level rise implications
6	Environment Agency	2008 & 2010	National Flood and Coastal Defence Database (NFCDD)				✓					Updates

## Northumberland


Ref	Organisation	Date	Project	Data Used								
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos	Lidar	
1	Northumberland County Council	2011	Newbiggin Bay Beach Management	✓	✓		✓		✓	✓		Able to define quantities of sand recycling, including source and placement areas and design profiles
2	Northumberland County Council	2011	Berwick Breakwater Detailed Design				✓			✓		Identify priority areas for refurbishment
3	Northumberland County Council	2011	Newbiggin Point Coast Protection				✓			✓		Identify location and condition of seawall structures at headland
4	Northumberland County Council and North Tyneside Council	2008 - 2009	Scottish Border to River Tyne Shoreline Management Plan 2	✓	✓	✓	✓			✓		Understand coastal change and defence condition to inform SMP policies
5	Northumberland County Council and North Tyneside Council	2010	Rocky Foreshore Coastal Squeeze Study							✓	✓	Create DGMs of foreshore areas and assess loss of habitat due to coastal squeeze over the SMP lifetime
6	Northumberland County Council	2010	Newbiggin Bay Beach Monitoring 2007 - 2010	✓	✓		✓		✓	✓		Able to quantify changes in beach volume following capital recharge scheme
7	The National Trust (with permission from NCC)	2009	Embleton Links and Low Newton Rapid Geomorphological Assessment	✓			✓					Geomorphological assessment of opast and likely future change in the dunes
8	Environment Agency	2010	Newton Links Habitat Creation				✓					Understanding the physical environment prior to assessing feasibility of habitat creation
9	Environment Agency	2009	Wansbeck Amenity Weir				✓					Condition and lifespan of the weir, to inform potential for removal and estuary restoration
10	Northumberland County Council	2010	Berwick Breakwater PAR				✓			✓	✓	Created DGM of the breakwater and assessed condition, noting specific defects in need of attention
11	Berwick upon Tweed Borough Council	2008	Magdelene Fields				✓					Assessment of a small landslip
12	Northumberland County Council	2010	Tweed Estuary Study	✓	✓		✓			✓	✓	Analysis of beach and dune changes and input to a numerical model of the Tweed estuary
13	Box 22 (with permission from NCC)		Spittal Point	✓	✓		✓			✓	✓	Create a DGM of the spit at the mouth of the Tweed and assess past and future changes due to sea level rise
14	Northumberland County Council	2008-2011	Holy Island Causeway Monitoring		✓		✓					Create a DGM of sandflats adjacent to the causeway and assess changes and potential impacts from causeway raising
15	Warkworth Harbour Commissioners (with permission from NCC)	2007/08	Hydrographic Study of the River Coquet Estuary				✓					Informed assessment of condition of the harbour mouth and potential options to manage siltation problems
16	Amble Development Trust (with permission from NCC)	2010	Amble Quayside Redevelopment				✓					

Ref	Organisation	Date	Project	Data Used								
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
17	Northumberland County Council	2010	Seahouses Breakwater Appraisal Report				✓					
18	Banks Developments (with permission from NCC)	2008	Cambois Bay Redevelopment				✓					Advised on condition of cliffs/dunes and suitable set-back for development based on erosion
19	Environment Agency	2008	Blyth Flood Risk Review				✓					
20	Northumberland County Council	2010/11	Beadnell North Seawall Study				✓					Analyse condition of seawall prior to designing refurbishment in-house
21	Northumberland County Council	2008	Seahouses North Breakwater									
22	Northumberland County Council	2010/11	North Blyth Coast Protection				✓					Analyse condition of seawall prior to designing refurbishment in-house
23	Northumberland County Council	2008 - 2011	Asset Maintenance				✓					
24	Northumberland County Council	2010	Inquest into death - fall from cliff top				✓					
25	Northumberland County Council	2011	Inquest into death - fall from cliff top				✓					
26	National Renewable Energy Centre	2011	Blyth Offshore Wind Farm Demonstrator Project						✓			
27	Coal Authority (via NECO)	2011	Lynemouth Bay				✓		✓	✓	✓	

## North Tyneside

Ref	Organisation	Date	Project	Data Used								
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
1	North Tyneside Council and Northumberland County Council	2008 - 2009	Scottish Border to River Tyne Shoreline Management Plan 2	✓	✓	✓	✓			✓		
2	North Tyneside Council and Northumberland County Council	2010	Rocky Foreshore Coastal Squeeze Study							✓	✓	
3	North Tyneside Council	2007	Hartley Cove to River Tyne Coastal Strategy Plan	✓			✓			✓		
4	North Tyneside Council	2009	Cullercoats Bay PAR	✓			✓			✓		
5	North Tyneside Council	2010	Cullercoats Bay Design	✓			✓			✓		
6	North Tyneside Council	2011	Trinity Road Sea Wall PAR	✓			✓			✓		
7	North Tyneside Council	2010	Tynemouth Longsands	✓			✓			✓		Used data to alleviate local concerns about winter storm damage, including an internal Council information report
8	North Tyneside Council	2011/3	Tynemouth Longsands Dune Restoration	✓			✓			✓		Local Levy
9	North Tyneside Council	2008-2011	Asset Maintenance				✓					Walkover Surveys used directly to inform maintenance activities (£67k budget for coastal defences in 2010/11)

## South Tyneside

Ref	Organisation	Date	Project	Data Used								
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
1	South Tyneside Council	2009	Littlehaven Sea Wall - Appraisal	✓	✓		✓			✓		
2	South Tyneside Council	2009	Sandhaven Dune Management Plan	✓	✓		✓			✓		
3	South Tyneside Council	2009	Old Harbour Quarry - Risk Assessment and Options Appraisal	✓	✓		✓			✓		
4	South Tyneside Council	2009	Coastal Risk Assessment and Local Monitoring Plan	✓	✓	✓	✓			✓		
5	The National Trust (with permission from STC)	2010	Lizard Point Car Park				✓					
6	South Tyneside Council	2010	Trow Quarry Monitoring Plan Year 2	✓	✓	✓	✓			✓		
7	South Tyneside Council	2008	Trow Quarry Monitoring Plan Year 0 (Baseline)	✓	✓	✓	✓			✓		
8	South Tyneside Council	2009	Littlehaven Sea Wall - Design and EIA (currently on hold)	✓	✓		✓			✓	✓	
9	South Tyneside Council	2011	Old Harbour Quarry - PAR	✓	✓		✓			✓		
10	South Tyneside Council	2011	Local Monitoring Plan - Cliff Inspections			✓	✓					

## Sunderland

Ref	Organisation	Date	Project	Data Used							Sunderland City Council	
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
1	Environment Agency	2008	Halliwell Banks				✓					
2	Sunderland City Council		Whitburn Bay to Ryhope Coast Protection Strategy Review	✓	✓	✓	✓	✓		✓	✓	

## County Durham

Ref	Organisation	Date	Project	Data Used							Durham County Council	
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
1	Durham County Council	2011	Seaham North Pier - Urgent Condition Assessment	✓			✓			✓	✓	
2	Durham County Council	2011	Seaham North Pier Options Appraisal (about to commence)	✓			✓			✓	✓	


## Hartlepool

Ref	Organisation	Date	Project	Data Used							HARTLEPOOL BOROUGH COUNCIL	
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
1	Hartlepool Borough Council	2008 - 2010	Seaton Carew Stragy Study	✓	✓		✓			✓	✓	Aerial photos
2	Hartlepool Borough Council	2010 - 2011	North Sands to Newburn Bridge Strategy Review	✓	✓		✓			✓	✓	
3	Hartlepool Borough Council	2008-2011	Town Wall PAR	✓	✓		✓			✓	✓	Bathy survey
4	Environment Agency (in association with HBC as partner)	2010-2011	Hartlepool Flood Warning Improvements	✓	✓		✓			✓	✓	Bathy survey
5	Hartlepool Borough Council	2010-2011	Northern Management Unit Phase 1	✓	✓		✓			✓	✓	
6	Hartlepool Borough Council	2010-2011	Hartlepool Headland Options Appraisal	✓	✓		✓			✓	✓	
7	Private Developer (Starforth Developments)	2009	Britmag Development	✓	✓		✓					
8	PD Teesport	2011	Hartlepool Wind Energy	✓	✓							
9	Hartlepool Borough Council	2011-2013	Northern Management Unit Phase 2	✓	✓		✓			✓	✓	

## Redcar & Cleveland

Ref	Organisation	Date	Project	Data Used							REDCAR & CLEVELAND BOROUGH COUNCIL	
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
1	R&CBC	2009-2011	Redcar to Saltburn Strategy	✓	✓					✓		

## Scarborough

Ref	Organisation	Date	Project	Data Used							 <i>A great place to live, work &amp; play</i>	
				Beach Profiles	Beach Topos	Cliff Top	Walkover	Bathy Survey	Wave Data	Aerial Photos		Lidar
1	Scarborough Borough Council	2010	Scarborough Spa Coast Protection Scheme	✓	✓		✓	✓		✓	✓	
2	Scarborough Borough Council	2010	Whitby Pier Power Feasibility Study	✓			✓					
3	Scarborough Borough Council	2008/09	Whitby Coastal Strategy: Further Investigations	✓			✓					
4	Scarborough Borough Council	2011	Whitby Coastal Strategy 2	✓	✓		✓	✓	✓	✓	✓	
5	Scarborough Borough Council and North Yorkshire County Council	2011	Sandsend Road PAR	✓	✓		✓	✓	✓	✓	✓	
6	Scarborough Borough Council	2010 - 2011	Whitby Harbour East Pier Extension Urgent Works				✓	✓	✓	✓		
7	Scarborough Borough Council	2011	Whitby Harbout PARS (4)									
8	Scarborough Borough Council	2011	Abbey Cliff to Hundale Point Strategy	✓	✓	✓	✓			✓		
9	Scarborough Borough Council	2008-2011	Scarborough Beach Management Plan (South Bay)	✓	✓							
10	Scarborough Borough Council	2010-11	Scarborough Castle Headland - postproject appraisal					✓	✓			
11	Yorkshire Water	2011	Bathing Water Quality Improvements	✓	✓	✓	✓	✓	✓	✓	✓	
12	Ordnance Survey	2011	MHW and MLW Lines on OS Mapping							✓	✓	
13	Scarborough Borough Council	2011	Filey Outflanking and Slope	✓	✓	✓	✓					
14	Scarborough Borough Council		Cayton Bay Recession Modelling			✓						
15	Scarborough Borough Council	2010	Beach Response to Climate Study (North and South Bay)	✓	✓							
16	Scarborough Borough Council	2010	Filey Flatt Cliffs	✓	✓	✓						
17	Scarborough Borough Council	2011	Staithe Capital Maintenance				✓					
18	Scarborough Borough Council	2011	Scarborough North Bay Capital Maintenance				✓					
19	Scarborough Borough Council	2009	Knipe Point Pathfinder				✓					
20	Elton John	2011	Concert							✓		
21	EA	2010	NCERM				✓					
22	Public	2008-2011	Property purchase			✓						
23	Universities of Newcastle, Durham, Loughborough, Southampton	2008-2012	Academic Research	✓	✓	✓	✓	✓	✓	✓	✓	
24	SBC Planning	2008-2013	Assessing applications for development			✓	✓					