



Interreg IVB North Sea Region Programme

# PROJECT IDEA

<b>Project Title</b>	<b>Harnessing TIDal Energy - Hi-TidE</b>		
<b>Priorities Interreg IVB NSR Programme</b>	<input type="checkbox"/> 1. Building on our Capacity for Innovation		
	<input checked="" type="checkbox"/> 2. Promoting the Sustainable Management of our Environment		
	<input type="checkbox"/> 3. Improving the Accessibility of Places in the North Sea Region		
	<input type="checkbox"/> 4. Promoting Sustainable and Competitive Communities		
<b>Contact Details</b>			
<b>First Name</b>	ELISABETH	<b>Surname</b>	DREW
<b>Institution</b>	Fife Council		
<b>Address</b>	Dunfermline Business Centre, Izatt Avenue, Dunfermline, Fife	<b>P.O. Box</b>	
<b>Postcode</b>	KY11 3BZ	<b>City</b>	Dunfermline
<b>Country</b>	Scotland		
<b>Telephone</b>	0044 (0)1383 602 389	<b>Fax</b>	0044 (0)1383 602530
<b>E-mail address</b>	lis.drew@fife.gov.uk		
<b>Project Description</b>			
<p>By utilising all aspects of the environment integrate, capture and incorporate energy from coastal protection whilst enabling the development of educational, social and economic amenities.</p> <p>All North Sea Regions have historically shared the common problem of defending against the power of the North Sea. This transnational project is an innovative opportunity for partners throughout the North Sea to view this original problem in a new light. The challenge is to turn the once destructive energy of the North Sea into something of value. By working in conjunction with a diverse and necessary range of European partners, it is hoped that over a two year period comparative local, national and transnational studies and strategies covering technology, geography, viability and design will be produced. This project cannot be delivered unless it is conducted on a transnational level, as it is at this level that a cost-effective comparison can be affected, that transnational and national lessons can be disseminated and that the economy of scale will be most valuable. The energy of the North Sea is the common denominator of this project, and as such the problems, the opportunities and the solutions are to be found and shared throughout the entire North Sea Region.</p> <p>This project will enable partners, from all sectors, public, private and academic to combine efforts towards exemplar studies. Focusing on diverse examples of North Sea coastlines a range of studies will be conducted, each one incorporating input of all participants. Hi-TidE will enable the</p>			

sharing of experience, knowledge whilst facilitating broader geographic opportunities for the demonstration, testing and commercialisation of technologies.

The prospect of embedding an incredibly wide range of educational aspects within the studies is too great not to incorporate within the development of social and economic amenities that are directly linked within coastal protection. Ideally utilising the harnessed energy to create, and enhance, safe, educational access for communities to the very thing that they require protection from.

It is anticipated that after a two year design stage the activity will continue through the implementation of those designs, which will hopefully attract funding from other EU Programmes, such as Framework7, LIFE or Intelligent Energy.

#### Central Aim

Each partner to participate in the transnational development of a range of options, through design and feasibility work, towards the integration of energy sources within coastal defences/amenities throughout the North Sea Region.

#### Envisaged Outcomes

<b>Thematic Keywords</b>	energy, environment, climate sustainability innovation
<b>Partners already found</b>	Bremerhaven, Ostende, Drammen
<b>Partners requested</b>	Academic, Private Sector
<b>Estimated budget</b>	€ 9 million
<b>Date</b>	27.6.08