

Title of case study	Guaranteeing security of supplies
Name of organization(s)	Anglian Water
Business sector	Water Management
Region(s) relevant to case study	<input type="checkbox"/> All regions <input type="checkbox"/> Africa and the Arab States <input type="checkbox"/> Asia and the Pacific <input type="checkbox"/> Caribbean and Central America <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Least Developed Countries <input type="checkbox"/> North America <input type="checkbox"/> Polar regions <input type="checkbox"/> Small Island Developing States <input type="checkbox"/> South America
Country(s) relevant to case study	United Kingdom
Adaptation sector(s) relevant to case study	<input checked="" type="checkbox"/> Business <input type="checkbox"/> Education and training <input type="checkbox"/> Food security, agriculture, forestry and fisheries <input checked="" type="checkbox"/> Human health <input type="checkbox"/> Oceans and coastal areas <input checked="" type="checkbox"/> Science, assessment, monitoring and early warning <input type="checkbox"/> Terrestrial ecosystems <input type="checkbox"/> Tourism <input checked="" type="checkbox"/> Transport, infrastructure and human settlements <input checked="" type="checkbox"/> Water resources <input type="checkbox"/> Other (please specify):
Adaptation activity	<p>Anglian Water's region is low lying, rich in protected conservation sites, has slow flowing, nutrient rich rivers and a long, low, soft coast line. These combined with climate change and population growth projections pose significant challenges for Anglian Water's activities, customers and the environment. Climate change and growth have been recognised as the top risks for the company.</p> <p>Operating around 7,000 assets and 110,000km of pipes in such circumstances means that Anglian Water has experience in dealing with periodic droughts, coastal</p>

	<p>erosion and fluvial, pluvial and coastal flooding. However, significant effort is being put into making the company able to adapt to potential future impacts.</p> <p>For example Anglian Water's 5-year Water Resource Management Planning cycles have included climate change considerations since 1993. In 2005 and 2010 Anglian Water also used UKCIP02 and UKCP09 projections to assess the vulnerability of abstraction, treatment and supply assets and processes. Assessment outputs have included research into potential impacts and solutions, embedding climate change consideration into business processes and 'hard' adaptation measures. The latter ranges from flood protection for 20 critical water assets, source duplication, network enhancement and a customer focused water efficiency programme which saved domestic customers alone 3 mega litres/day in 2010/11.</p>
<p>Cost-benefit</p>	<p>Anglian Water's 2010 Climate Change Adaptation Report details its 2005 and 2010 risk assessments, the results of which have been used in its business planning process.</p> <p>Detailed Cost Benefit Analysis for individual actions was carried out for those actions included in Anglian Water's current business plan (2010-2015).</p>
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