

# CLIMATE READY BIOSPHERE

## ACTION PLAN



GALLOWAY AND  
SOUTHERN AYRSHIRE  
BIOSPHERE



Climate Ready Biosphere Action Plan 2015 - 2050

IDENTIFIED ISSUES	ACTIONS TO ADDRESS ISSUES 2015 - 2020	SUGGESTED PARTNERS	PRIORITY H/M/L	PROJECTED OUTCOMES - 2050
<b>PEOPLE</b>				
<p><b>People are unsure what the implications of climate change will be for the region and their local communities.</b></p>	<p>Use Climate Ready Biosphere Vision to highlight local issues and opportunities</p>	<p>GSAB</p>	<p>H</p>	<p>The Biosphere communities are aware and adapting towards climate change</p>
	<p>Develop Education programs to engage young people in climate change</p>	<p>Local Education Authority Crichton Carbon Centre</p>	<p>H</p>	<p>Through a focused education program linking Biosphere and climate change the next generation think of climate adaptation as the 'norm'.</p>
	<p>Monitor and report on the impacts of current climate on people, economy and nature in the GSAB</p>	<p>GSAB Biosphere Communities LAs SNH</p>	<p>M</p>	<p>Informed by evidence of the full range of local impacts communities are using local knowledge to make decisions and developing resilience plans and networks using local resources and expertise to help themselves</p>
<p><b>Some communities are excelling in resilience planning with the support of a community resilience officer based in D&amp;G Council others are not.</b></p>	<p>Develop a program of sharing best practice with partners across the Biosphere.</p>	<p>GSAB LA's Biosphere Communities</p>	<p>H</p>	<p>Through learning from each other Biosphere communities are prepared for adverse climate change events.</p>
	<p>Explore a funding package to support community resilience planning in all Biosphere communities.</p>	<p>GSAB LA's LEADER</p>	<p>M</p>	<p>All three local authority areas covering the Biosphere have access to community resilience officers supporting local communities in resilience planning.</p>
<p><b>Coastal flooding and erosion are unavoidable in many places – damaging properties and infrastructure both in towns and villages and important habitats can be adversely impacted</b></p>	<p>Develop a programme to engage residents in living with and managing a changing coastline</p>	<p>GSAB LAs SNH</p>	<p>M</p>	<p>People understand and are prepared to live with a changing coastline, and are involved in difficult decisions about managing long-term risks in their communities and across the region, reducing potential impacts now and in the future.</p>

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<b>The Biospheres public sector partners have an obligation to address Climate Adaptation on behalf of the Scottish Government – but we do not know who is doing what in the Biosphere.</b>	To run a workshop that explores mapping between the proposals and policies included in the Scottish Climate Change Adaptation Programme and the Climate Ready Biosphere as a demonstrator project.	Crichton Carbon Centre Public Sector Partners	H	New opportunities for cross border / sector working are identified and actioned.
<b>Large scale renewable energy schemes in the Biosphere can divide communities with a perception that most of the benefits go outside the region.</b>	Encourage and support the development of community led micro renewable schemes that address local energy needs and create local sources of income.	Community Energy Scotland LEADER LA's	M	Communities are empowered to take control of their own futures no longer being dependent on public sector initiatives.
<b>Joseph Rowntree Foundation highlighted the potential increased vulnerability of disadvantaged communities to the impacts of climate change</b>	As a demonstration project combine the above with a community making the most of their community facilities (e.g. village hall/community centre and greenspace management) to address climate change	Community Energy Scotland LEADER LAs Greenspace Scotland	M	Communities involved in both decision making and climate change action are empowered and more resilient

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<b>ECONOMY</b>				
Our traditional regional economies of farming, forestry and tourism will need to adapt to the effects of climate change.	Share best practice mitigation and adaptation being adopted by businesses in the Biosphere.	Biosphere Partnership LA's	M	Best practice business experiences encourage up take by new businesses to further the region economic resilience against climate change.
	Use the Biosphere Charter to help promote a more sustainable approach to doing business in the Biosphere.	Biosphere Partnership	H	Increased take up of the Biosphere charter by businesses encourages a more sustainable approach to business in the Biosphere.
	Engage representatives of business in the opportunities that climate change will present in the future such as milder winters.	Chamber Commerce SLE, NFUS, Business Link, Scottish Enterprise	M	Businesses in the region no longer see climate change as a threat but see it as an opportunity.
<b>NATURE</b>				
Some of the effects of climate change such as flash flooding and carbon sequestration could be mitigated against through changes in land management.	Encourage land managers in the Biosphere to work towards fulfilling the Biosphere Priority Habitats targets.	NFUS, SLE, SNH, SEPA, GSAB	H	Biosphere Priority habitat targets have led to large scale restoration of native woodland and peat bogs. Flash flooding is no longer a major issue, the restoration projects have become tourism attractions in their own right.
	Encourage an ecosystem services approach to landuse in the Biosphere.	NFUS, SLE, SNH, SEPA, GSAB	M	The ecosystem services approach to landuse in the Biosphere is helping to create a more sustainable and balanced future for both people and nature.
Warmer dryer summers will lead to an increased risk of wild fire.	Support a coordinated approach to between public, private and community initiatives to respond risks.		M	