




# SUSTAINABLE LAND MANAGEMENT OUTCOMES

- **WHAT ARE THEY?** They are a set of actions required for Sustainable Land Management in Wales.
- **WHERE HAVE THEY COME FROM?** These are principles set out by the Welsh Government in the Agriculture White Paper (2020).
- **WHY ARE THEY NEEDED?** These principles provide a guide for future agricultural policy and support in Wales and encourage the production of food in an environmentally sustainable manner.
- **DID YOU KNOW?** Many farms in Wales are already undertaking farming practices that will help achieve the SLM outcomes as well as improve the resilience of their farming businesses.
- **HOW MANY ARE YOU ALREADY DOING?** Take a look at the below list; How many are you achieving already through your day to day management of your farming business?

SLM OUTCOME	What does this look like on-farm?*	✓ I DO THIS
<b>Improving air quality</b> 	<ul style="list-style-type: none"> <li>■ Frequent slurry scraping and/or drying poultry manure</li> <li>■ Precision slurry spreading e.g. trailing shoe and injection</li> <li>■ Covering slurry stores and/or acidifying slurry</li> <li>■ Integrating more trees to capture ammonia emissions from livestock housing and/or slurry stores</li> </ul>	
<b>Improving water quality</b> 	<ul style="list-style-type: none"> <li>■ Following a nutrient management plan</li> <li>■ Ensure adequate infrastructure for slurry and manure storage</li> <li>■ Limiting stock access to watercourses</li> <li>■ Manage livestock to reduce poaching in the winter (i.e., on-off grazing, using multiple field entrances, back-fencing)</li> <li>■ Improve soil structure by using herbal leys</li> <li>■ Planting cover crops to reduce soil erosion and run-off in outwintering systems</li> <li>■ Establishing a buffer strip alongside watercourses</li> <li>■ Restoring and managing peatlands to capture more water and reduce water flow</li> <li>■ Planting trees to intercept overland water flow and pollutants before they reach watercourses</li> </ul>	
<b>Maximising resource efficiency</b> 	<ul style="list-style-type: none"> <li>■ Renewable energy</li> <li>■ Calving at 24 months and maintaining a tight calving interval</li> <li>■ Maximising DLWG pre and post weaning.</li> <li>■ Improving grass production &amp; utilisation</li> <li>■ Replacing bought in feed with home-grown forage &amp; crops</li> <li>■ Healthy soils</li> <li>■ Mixed farming</li> <li>■ Genetics (EBVs)</li> <li>■ Animal Health plans</li> <li>■ Reducing pesticide and herbicide use (IPM)</li> <li>■ Invest in staff</li> <li>■ Water harvesting and storage</li> <li>■ Soil test to reduce artificial fertiliser use</li> <li>■ Biosecurity</li> </ul>	










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SLM OUTCOME	What does this look like on-farm?*	✓ I DO THIS
<b>Mitigating flood and drought risks</b> 	<ul style="list-style-type: none"> <li>■ Reducing soil compaction and erosion</li> <li>■ Water harvesting (ponds)</li> <li>■ Planting riparian buffer strips</li> <li>■ Planting trees and hedges to intercept the flow of water</li> <li>■ Using cover crops to avoid bare soil</li> <li>■ Using herbal leys and deep rooting grasses such as Cocksfoot in your reseed plan</li> </ul>	
<b>Maintaining and enhancing the resilience of ecosystems</b> 	<ul style="list-style-type: none"> <li>■ Maintain wetter areas that contain rushes, molinia, meadowsweet and other flowering plants in wet, unproductive corners.</li> <li>■ Avoid fertiliser use on species-rich grasslands that have not been improved</li> <li>■ Fallow crop margins</li> <li>■ Unfertilised/unsprayed cereal headlands</li> <li>■ Skylark plots (fallow plots within a winter cereal crop)</li> <li>■ Fixed rough grass margin on arable land and rotational</li> <li>■ Rough grass margin on arable land</li> <li>■ Flower-rich margins</li> <li>■ Beetle banks</li> <li>■ Maintaining ponds</li> <li>■ Traditional wildflower-rich hay meadow management.</li> </ul>	
<b>Reducing emissions of greenhouse gases</b> 	<ul style="list-style-type: none"> <li>■ Breeding for genetic improvement</li> <li>■ Optimising the diet of animals</li> <li>■ Reducing disease burden</li> <li>■ Improving grassland management</li> <li>■ Incorporating legumes, such as clover into the farm's rotation/reseeds</li> <li>■ Improving slurry/manure storage and application methods</li> </ul>	
<b>Maximising carbon sequestration and storage</b> 	<ul style="list-style-type: none"> <li>■ Increasing Soil Organic Matter levels</li> <li>■ Consider minimum tillage approaches when reseed plan</li> <li>■ Restoring and managing peatland</li> <li>■ Improved management of existing hedgerows, individual trees and woodland areas</li> <li>■ Increasing tree cover and planting more hedgerows</li> </ul>	
<b>Achieving and promoting high standards of animal health and welfare</b> 	<ul style="list-style-type: none"> <li>■ Reviewing your animal health improvement plan with your vet</li> <li>■ Practice disease prevention measures e.g vaccination</li> <li>■ Having and using a biosecurity plan</li> <li>■ Actively aiming to reduce the use of antibiotics by reducing incidences of diseases or disorders e.g. number of cases of lameness on-farm</li> <li>■ Carry out Faecal Egg Counts (FEC) before using anthelmintics</li> </ul>	
<b>Conserving and enhancing landscapes and the historic environment</b> 	<ul style="list-style-type: none"> <li>■ Managing SSSI, Special protection areas, Special areas of conservation, AONB and national parks</li> <li>■ Protect features on your land i.e., traditional farm buildings, listed buildings, ancient monuments</li> </ul>	
<b>Maintaining and enhancing public access and engagement with the countryside and the historic environment</b> 	<ul style="list-style-type: none"> <li>■ Host educational farm visits</li> <li>■ Enhancing existing paths to make them more accessible</li> <li>■ Offer recreation opportunities</li> </ul>	

\*These are a few ideas but not limited to the list here.