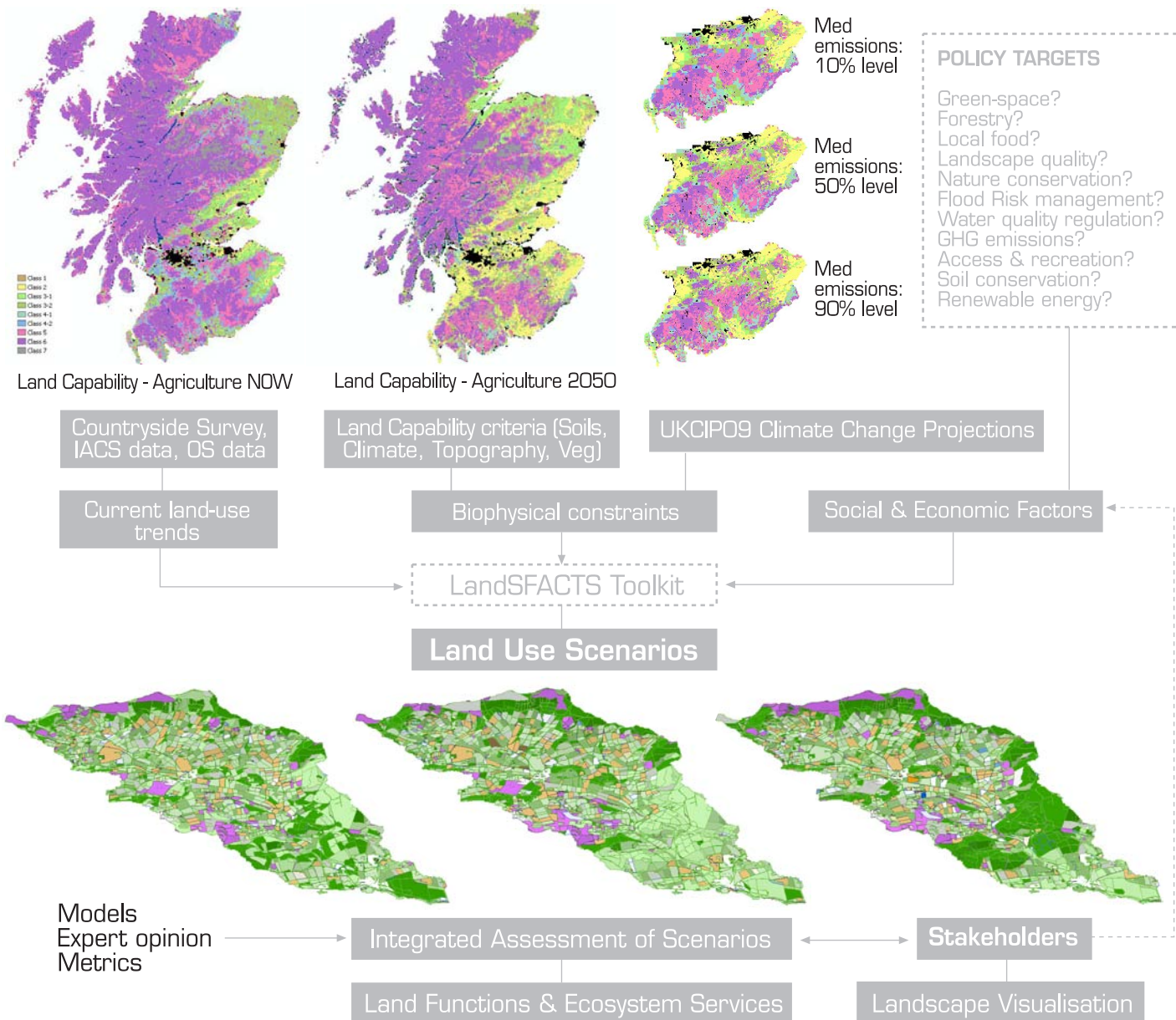


LAND USE AND CLIMATE CHANGE SCENARIOS FOR MANAGING MULTI-FUNCTIONAL LANDSCAPES

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OBJECTIVE

To develop an integrated framework for strategic land use decisions, equating land 'demand' with land 'supply' to screen out unviable alternatives and identify those that can deliver multiple benefits. Policy targets or stakeholder requirements for land are evaluated against physical constraints via **land capability** to produce the scenarios. These options can then be further tested against additional criteria by an iterative process. This approach recognises that issues and criteria become refined through deliberation based upon a series of interim possibilities. Our approach is particularly suitable for 'future proofing' of spatial plans and policies, especially against climate change.



Model Ecosystem Framework – Natural Capital

Priority Habitats	BROAD HABITATS	LAND SYSTEM	DIRECT FUNCTIONS													
			crops	livestock	timber	fish	recreation	tourism	sport & nature	water	houses & industry	infra-structure	quarrying & mining			
Arable	ROTATIONAL CROPS & GRASS	Arable	✓	✓	✓											
Improved grass	IMPROVED GRASS	Improved grass	✓	✓	✓											
Broad & Mixed	WOODLAND	Broad & Mixed			✓	✓										
Heath	UNIMPROVED OR	Heath					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Neutral grass	EXTENSIVE GRASS	Neutral grass														
Wetlands	WETLANDS	Wetlands														
Montane	WILD LAND	Montane					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wetlands	WETLANDS	Wetlands														
Blank moor, heath, bog	BUILT LAND	Blank moor, heath, bog														
Water bodies	WATER	Water bodies					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Current Case Studies: Lunan Water (Angus), Tarland/Dinnet & East Cairngorms (Aberdeenshire)