

## From soil sample...to data... to information... to knowledge

	Past						Present	Future
	1940s	1950s	1960s	1970s	1980s	1990s	2000s	2010s
Data Collection	Soil Survey and Soil Sampling 1943 – 1984							Soil Monitoring 2008 – 2017
					Soil Maps e.g. 1/250000 1982 – 1984			
				National Soils Inventory Scotland (NSIS) 1 1978 – 1987			NSIS – 2 2007 – 2010	
Data Processing	National Soils Archive 40,000 Dried soils over 60 years old							Soil DNA archive
				Soils Database		Scottish Soils Knowledge Information Base	Soils Information System	
	Paper records			Electronic records				
Interpretation & Application						Native Woodland Model 1998 – 2001	Modelling habitat networks 2001 – 2009	
				Land Capability for			Future Maps	
				<ul style="list-style-type: none"> <li>● Agriculture</li> <li>● Forestry</li> <li>● Short Rotation Coppice</li> <li>● Sludge recycling</li> </ul> 1984 – 99			<ul style="list-style-type: none"> <li>● Land capability for Carbon sequestration</li> <li>● Greenhouse Gas emissions</li> <li>● Biodiversity potential</li> <li>● Ecosystem services</li> </ul>	
						New Less Favoured Areas Payments scheme 2003 – 2010		
							Land management contracts	
							Soils & human health	