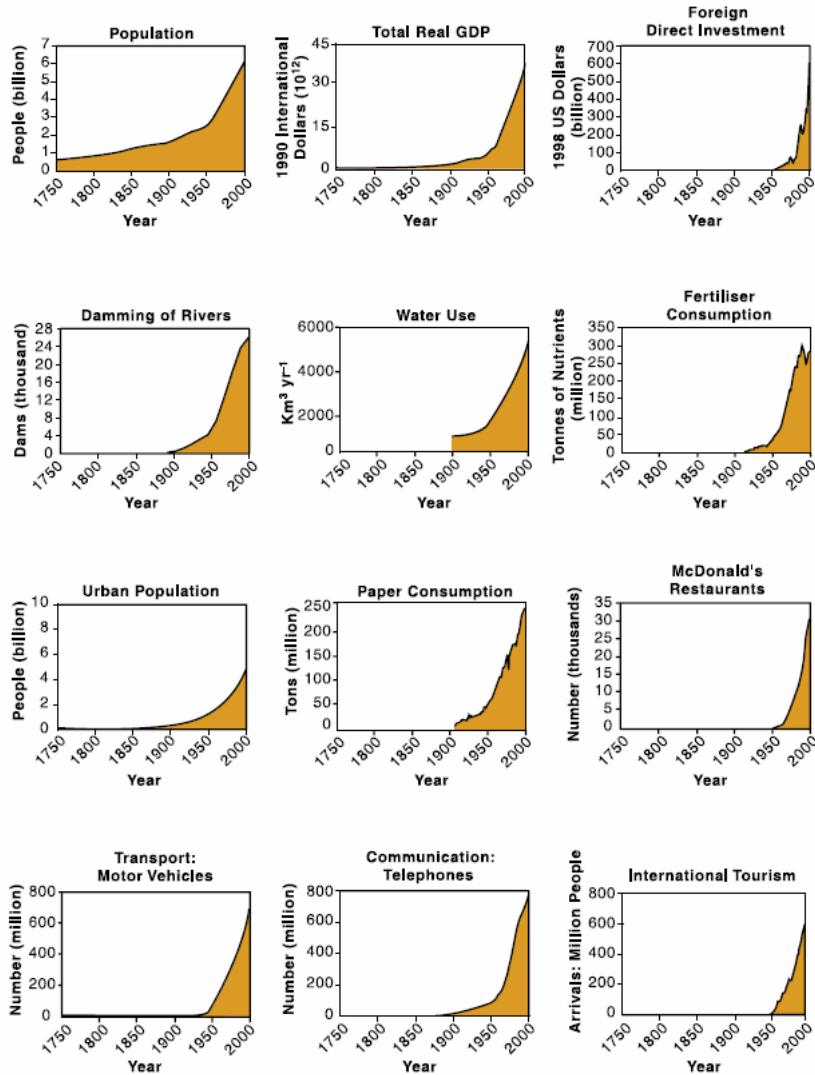


Sectoral impacts on biodiversity and ecosystem services: introduction to the SIMBIOSYS project

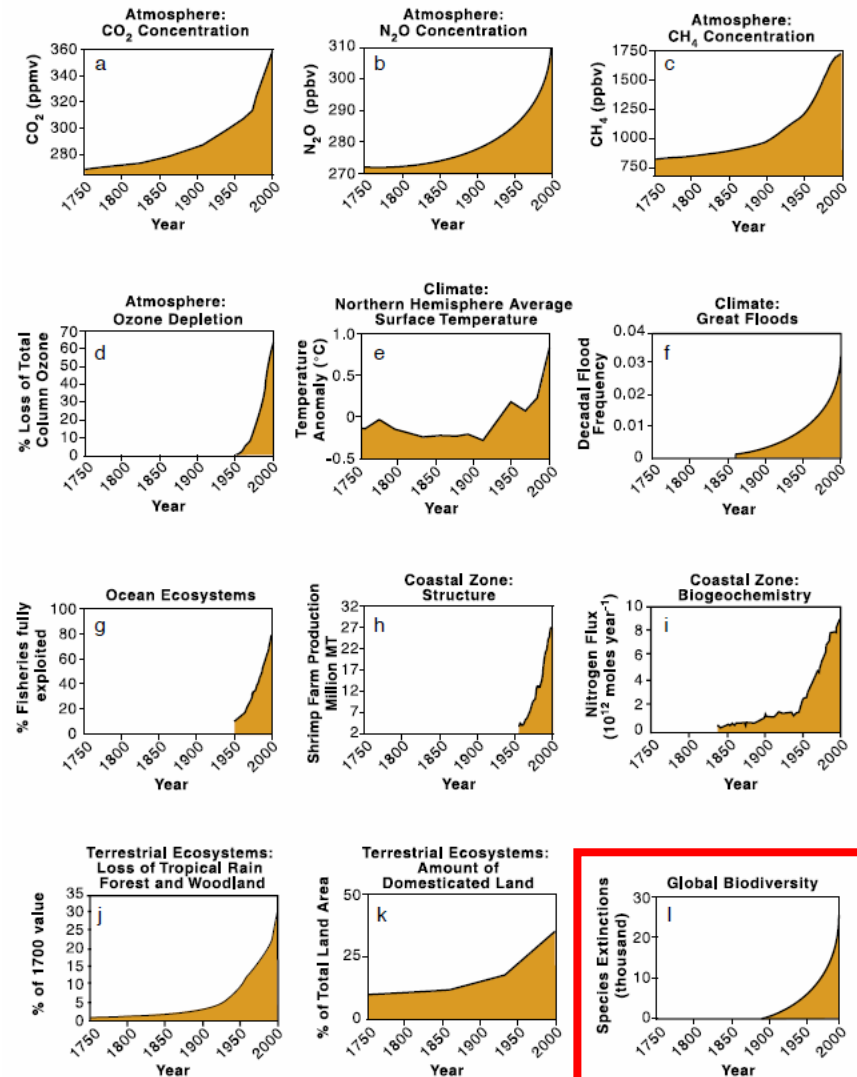
Jane Stout (TCD)

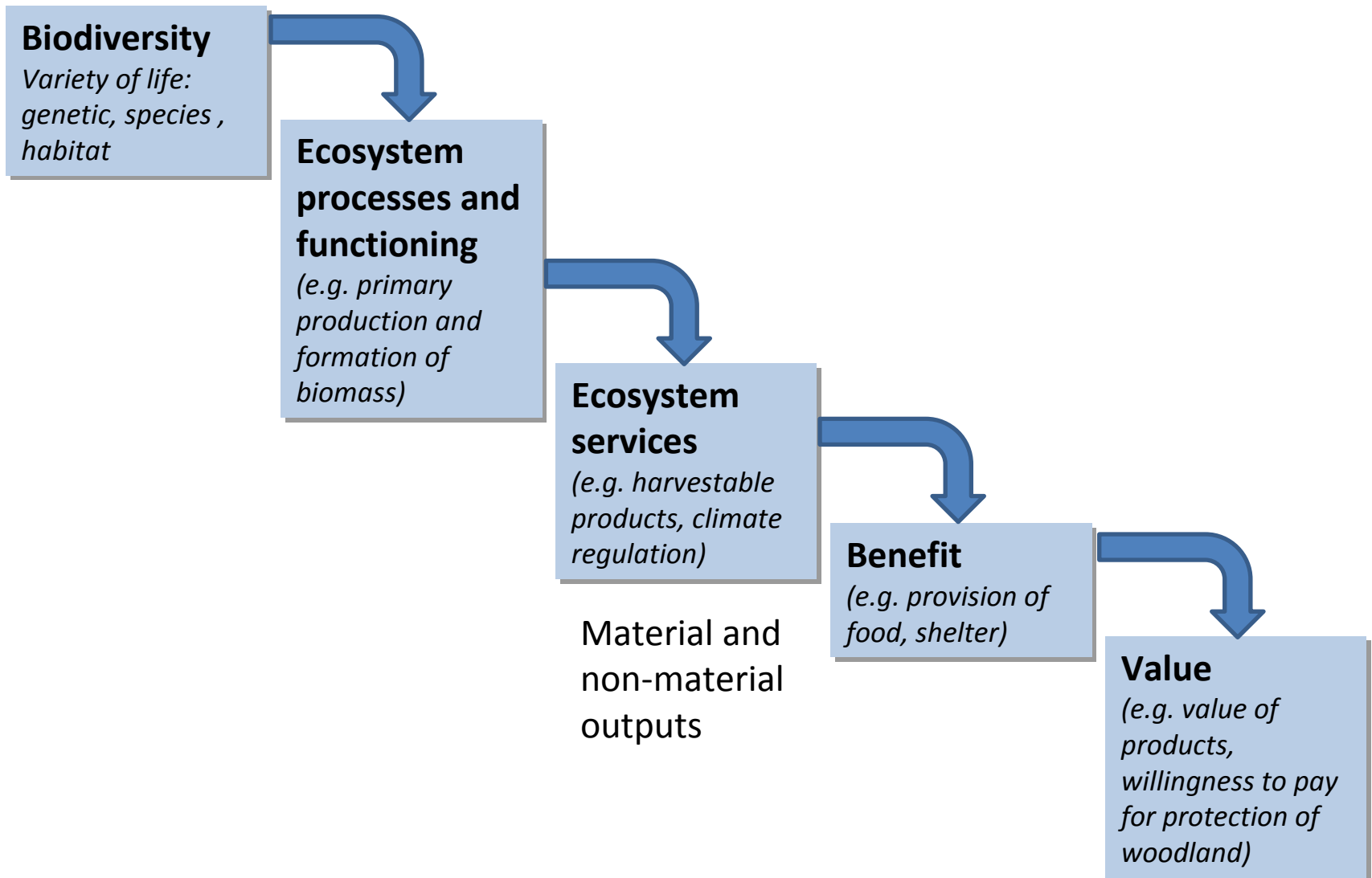


Human activity



Earth systems





From Haines-Young et al. 2012 report to EEA



ACTIONS FOR BIODIVERSITY 2011-2016

IRELAND'S NATIONAL BIODIVERSITY PLAN

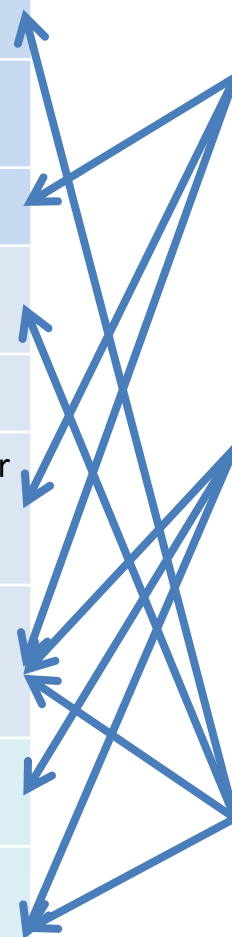


An Boinn
Eolas, Oidhreachta agus Gaeilocht
Department of
Arts, Heritage and the Gaeltacht

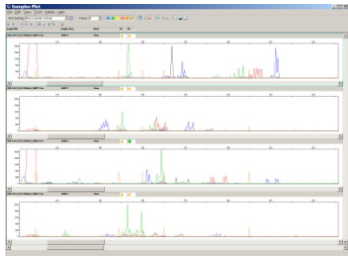
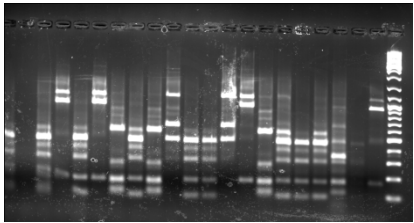
Ireland's biodiversity
“Maintaining the
functionality of ecosystems
has become increasingly
urgent”

Ecosystem service	Class of service	Examples
Provisioning	Nutrition	Food, water 
	Materials	Raw materials, medicinal & ornamental resources
	Energy	Biofuels 
Regulating & Maintenance	Regulation of waste	Bioremediation, wastewater treatment 
	Regulation against hazards	Wind breaks, water storage...
	Regulation of biophysical conditions	Global climate regulation, water purification, formation and maintenance of soil 
	Regulation of biotic environment	Life cycle maintenance, biological control of pests and diseases 
Cultural	Symbolic	Areas of natural beauty, sense of peace 
	Intellectual & spiritual	Nature watching, hunting/fishing, scientific research, education

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Regulating & Maintenance	Bioremediation, wastewater treatment 
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	Global climate regulation, water purification, formation and maintenance of soil 
	Life cycle maintenance, biological control of pests and diseases 
Cultural	Areas of natural beauty, sense of peace 
	Nature watching, hunting/fishing, scientific research, education



Genetic



Species



Habitats





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