



# The European Commission's science and knowledge service



Joint Research Centre

## SNA and non SNA benefits investigated through CICES-NESCS



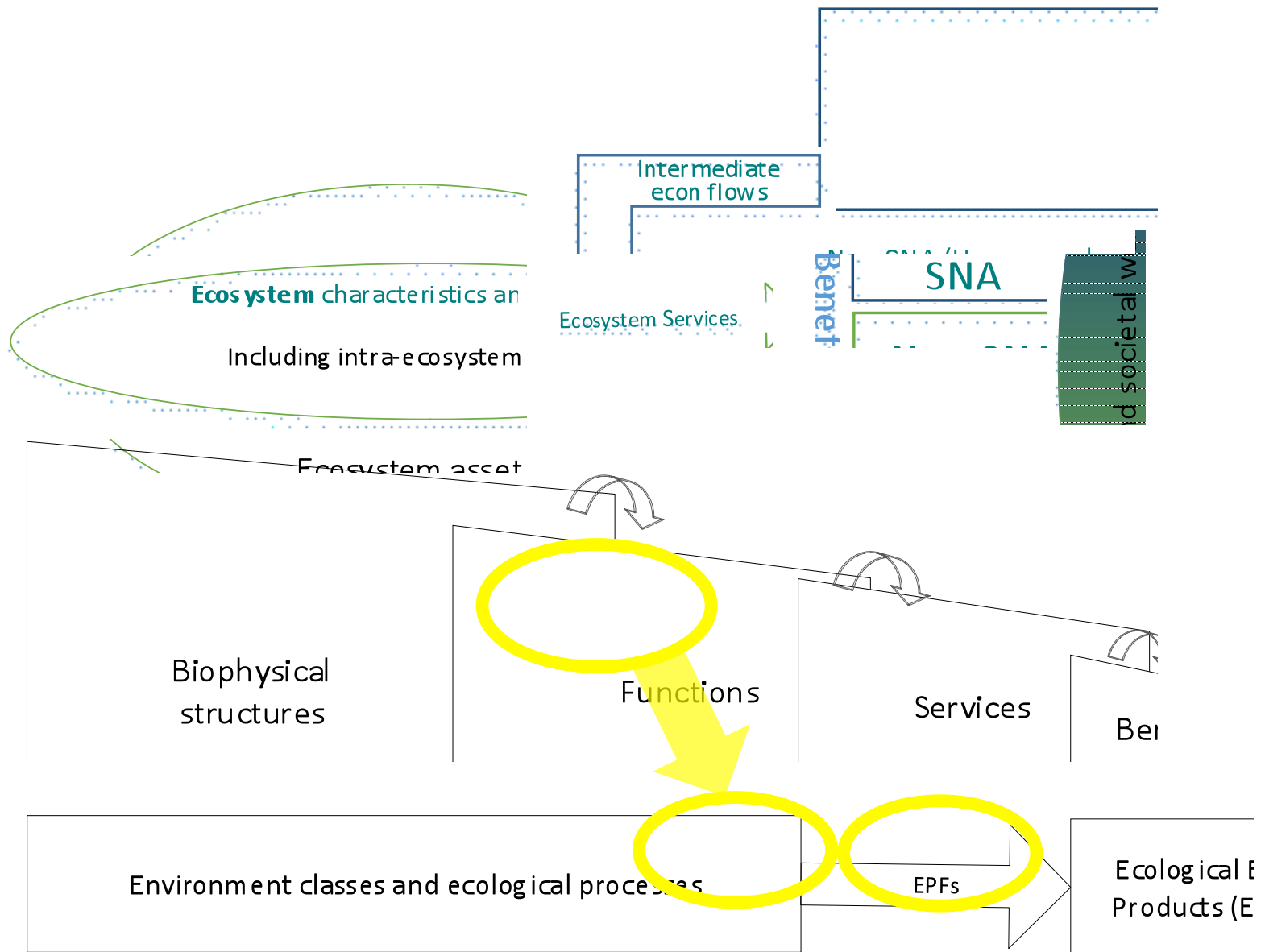
*Alessandra La Notte, EC JRC  
Charles Rhodes, US EPA*



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European  
Commission



# Structure

		ECONOM	
		NESCS use category	NESCS use category
<b>ES (CICES)</b>	<b>EEP (NESCS)</b>		
<i>ecological process that generate benefits</i>	<i>ecological end product/ benefits</i>		

		raw material for transformation	support of animal breeding
<b>ES (CICES)</b>	<b>EEP (NESCO)</b>		
	<b>SNA- benefits</b>		
<i>water retention/ supply</i>	<i>water</i>		
<i>crop provision and crop pollination</i>	<i>flora</i>	crops [SNA]	
<i>animal husbandry/ fisheries</i>	<i>fauna</i>		livestock [SNA]
-	<i>abiotic components</i>		
<i>outdoor recreation</i>	<i>- scapes</i>		
<i>flood control</i>	<i>complex ecological structure that regulates extreme events</i>	Should they be SNA benefits?	
	<b>Non SNA- benefits</b>		
<i>water retention/ supply</i>	<i>water</i>		
<i>water purification</i>	<i>cleaned water</i>		

		Forestry			
		raw material for transformation	support of plant cultivation	protection of human property	support of subsistence
<b>ES (CICES)</b>	<b>EEP (NESCS)</b>				
	<b>SNA- benefits</b>				
<i>water retention/supply</i>	<i>water</i>				
<i>timber provision</i>	<i>flora</i>	timber [SNA]			
<i>animal husbandry/fisheries</i>	<i>fauna</i>				
-	<i>abiotic components</i>				
<i>outdoor recreation</i>	<i>- scapes</i>				
<i>flood control</i>	<i>complex ecological structure that regulates extreme events</i>			wood protection [SNA]	
	<b>Non SNA- benefits</b>				
<i>water retention/supply</i>	<i>water</i>				
<i>water purification</i>	<i>cleaned water</i>				

		Mining and quarrying			
		raw material for transformation	protection of human property	support of substance	
<b>ES (CICES)</b>	<b>EEP (NESCS)</b>				
	<b>SNA- benefits</b>				
<i>water retention/ supply</i>	<i>water</i>				cooling process [SNA]
<i>crop provision and crop pollination</i>	<i>flora</i>				
<i>animal husbandry/ fisheries</i>	<i>fauna</i>				
-	<i>abiotic components</i>	sub-soil assets [SNA]			
<i>outdoor recreation</i>	<i>- scapes</i>				
<i>flood control</i>	<i>complex ecological structure that regulates extreme events</i>		mine protection [SNA]		
	<b>Non SNA- benefits</b>				
<i>water</i>	<i>water</i>				

		Transportation and storage	
		protection of human property	support of subsistence
<b>ES (CICES)</b>	<b>EEP (NESCS)</b>		
	<b>SNA- benefits</b>		
<i>water retention/ supply</i>	<i>water</i>		
<i>crop provision and crop pollination</i>	<i>flora</i>		
<i>animal husbandry/ fisheries</i>	<i>fauna</i>		
-	<i>abiotic components</i>		
<i>outdoor recreation</i>	<i>- scapes</i>	Should they be SNA benefits?	
<i>flood control</i>	<i>complex ecological structure that regulates extreme events</i>		
	<b>Non SNA- benefits</b>		
<i>water retention/ supply</i>	<i>water</i>		

		Electricity/gas supply		
		protection of human property	support of subsistence	
<b>ES (CICES)</b>	<b>EEP (NESCS)</b>			
	<b>SNA- benefits</b>			
<i>water retention/ supply</i>	<i>water</i>			<i>water availability [SNA]</i>
<i>crop provision and crop pollination</i>	<i>flora</i>			
<i>animal husbandry/ fisheries</i>	<i>fauna</i>			
<i>-</i>	<i>abiotic components</i>			
<i>outdoor recreation</i>	<i>- scapes</i>			
<i>flood control</i>	<i>complex ecological structure that regulates extreme events</i>	<i>facility protection [SNA]</i>		
	<b>Non SNA- benefits</b>			
<i>water retention/ supply</i>	<i>water</i>			

		Professional activities		Ec
		information , research	support of subsistence	science, education
<b>ES (CICES)</b>	<b>EEP (NESCO)</b>			
	<b>SNA- benefits</b>			
<i>water retention/ supply</i>	<i>water</i>			
<i>crop provision and crop pollination</i>	<i>flora</i>			
<i>animal husbandry/ fisheries</i>	<i>fauna</i>			
-	<i>abiotic components</i>			
<i>outdoor recreation</i>	<i>scapes</i>			
<i>flood control</i>	<i>complex ecological structure that regulates extreme events</i>			
	<b>Non SNA- benefits</b>			
<i>water retention/ supply</i>	<i>water</i>			

Protection of human property is assimilated to residential, is it correct?

Should they be SNA benefits?

		Ho			
		direct consumption	protection of human health	protection of human property	cult
ES (CICES)	EEP (NESCS)				
	<b>SNA- benefits</b>				
water retention/ supply	water	own extraction [SNA]			
crop provision and crop pollination	flora	own extraction [SNA]			
animal husbandry/ fisheries	fauna	own extraction [SNA]			
-	abiotic components				
outdoor recreation	- scapes				
flood control	complex ecological structure that regulates extreme events			house protection [SNA]	
	<b>Non SNA- benefits</b>				
water retention/ supply	water				cult
			health		

Should they be non- SNA benefits?

# One specific issue

Any comment on habitat maintenance?

Do you think it is appropriate to name its benefit as “conservation of existing conditions in nature”?

Any comment on Global climate regulation?

Do you think it is appropriate to name its benefit as “mitigation of CC effects”?

Do you think it would be better to create “GLOBAL” as additional USER instead of allocating service/ ecological end product to each economic sector and HH?

Do you think it would be correct to allocate service/ ecological end product to Government?

## What for?

Trying to establish complementarity or at least comparability between two different ES classification systems

Start thinking what are the boundaries between SNA and non-SNA benefits service-by-service, use-by-use

...any hope to succeed?

# Stay in touch



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