
Netherlands Environmental Assessment Agency

Scenario exercise Part II

Presentation for the Modelling Planning Workshop 24-26 March 2009, Rio de Janeiro, Brazil

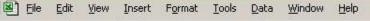
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Now you need to translate the information of the previous exercise into demand figures for 2 periods for the following factors and/or sectors:

	Change in %	<u> 2011 – 2020 </u>	<u>2021-2030</u>
•	Population growth		
•	Crops needed		
	Urban area growth		
•	Intensive crop area		
•	Extensive crop area		
•	Export crops		
•	Import crops		
	Plantation area		
	Protected area		
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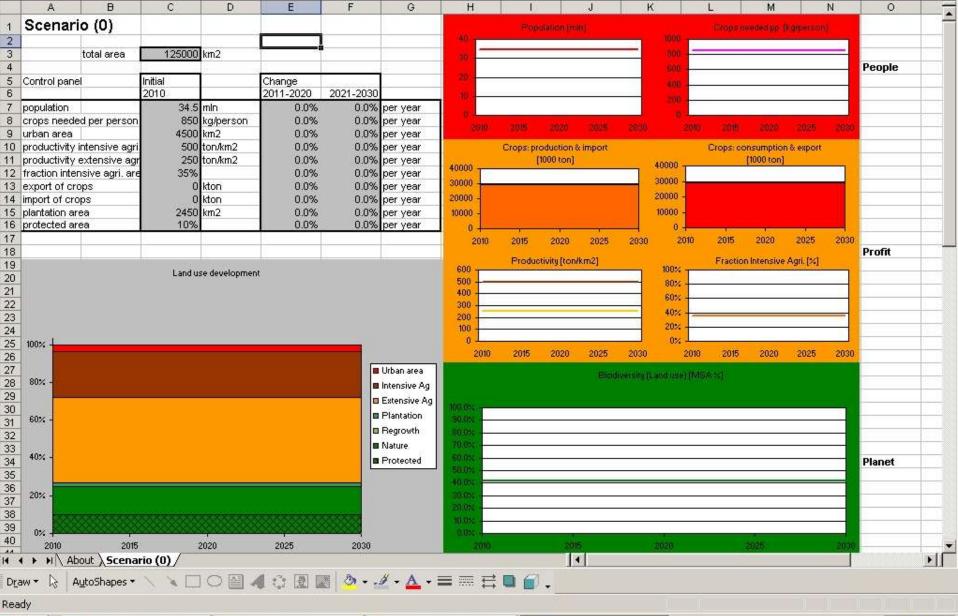
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	needed	Profit Export							Ч. – – – – – – – – – – – – – – – – – – –
per person [kg/person] 850	needed	Export		4				Planet	
	kton	of crops	Import of crops [kton]	production	Extensive Ag	Intensive Agri	Fraction iIntensive Agri [%]	Area	Biodiversity (Land use) [MSA %]
850) 29325	5 0		29325	5 250	500	35%	10.0%	41.5%
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	Land use								
ar				Plantation	Extensive Ag	Intensive Ag	Urban area	Total area	
SA	100% [km2]	100% [km2]	60% [km2]	20% [km2]	30% [km2]	10% [km2]	5% [km2]	[km2]	
2010		18661	0			and the second se	4500		
2011		20222005200240				 A statistical statistics 	4500		
2012		18661	0		and the second se	and the second se	4500	and the second se	
2013		18661	0	2450			4500	125000	
2014		18661	0	And the second se		and the second se	4500	125000	
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2016		18661	0		and the second se	and the second	4500		
2017	12500	18661	0	2450	56478	and the set of the set	4500	125000	
2018	12500	18661	0	2450	56478	30411	4500	125000	
2019	12500	18661	0	2450	56478	30411	4500	125000	
2020	12500	18661	0	2450	56478	30411	4500	125000	
2021	12500	18661	0	2450	56478	30411	4500	125000	
2022	12500	18661	0	2450	56478	30411	4500	125000	
2023	12500	18661	0	2450	56478	30411	4500	125000	
2024	12500	18661	0	2450	56478	30411	4500	125000	
2025	12500	18661	0	2450	56478	30411	4500	125000	
2026	12500	18661	0	2450	56478	30411	4500	125000	
2027	12500	18661	0	2450	56478	30411	4500	125000	
2028	12500	18661	0	2450	56478	30411	4500	125000	
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2029 2030		18661	0	2450	56478	30411	4500	125000	

- 1. Open the land use scenarios-training.xls spreadsheet
- Read first the guidelines that are described in the 'About' worksheet
- 3. Copy the scenario(0) worksheet to a new worksheet
- Fill in the values from your scenario
 (do not bother about the land size: it's an imaginary country for training purposes only)

See what's happening and try to explain why.

Have fun!!!