

Status of indicators development as for September 30, 2004

	Key Question and Indicator Name	DPSIR category						Status of Indicator (proposed , calculated, fact sheet complete) - Eng	Status of Indicator (proposed , calculated, fact sheet complete) - Ukr	GIS application&m apping of indicators (ULRMC proposal)
		D	P	S	I	R				
	WILD BIODIVERSITY									
	Introduction							Ukr		
	What is Agricultural Biodiversity?						Eng	Ukr		
	What are the Benefits of Agricultural Biodiversity?						Eng	Ukr		
	Biodiversity and Agriculture						Eng	Ukr		
Q1	KQ1 What is the current state of agrobiodiversity in Ukraine?									
	Types and areas of ag lands (see also Land use changes), ag zones			S				Draft Fact Sheet (Ukr)	Ag BINU Layer	
	LPI					R	calculated	Draft Fact Sheet (Ukr)		
	NCI (see also Data analysed cell) - Version 1			S		R	calculated (Eng)	calculated (Ukr)		
	NCI (see also Data analysed cell) - Version 2			S		R		calculated (Ukr)		
	Ag soil riches (see also humus)							calculated		
	Species richness (see details below)			S		R				
	Species richness - mammals			S		R	calculated	calculated		
	In addition: wild (hunting) mammals species status			S		R		Draft Fact Sheet (Ukr)		
	Species richness - plants (weeds) - scientific data			S		R	calculated	calculated		
	Species richness - plants (weeds) - official data									
	Status of rare species			S			calculated	calculated	Ag BINU Layer	
	Alien and invasive species			S		R	calculated	calculated		
	Analysis and inventory of natural fragments			S			Draft Fact Sheet Eng	Special article (Rus)	Ag BINU Layer	
	Water availability and quality			S	I			Draft Fact Sheet (Ukr)	Ag BINU Layer	
	In addition: ag inside of Protected Areas			S			calculated	Draft Fact Sheet (Ukr)		
	In addition: hunting areas inside of ag			S			calculated	Draft Fact Sheet (Ukr)		
	In addition: humus condition			S			Draft Fact Sheet (Eng)	Draft Fact Sheet Ukr	Ag BINU Layer	
	In addition: phosphor condition			S			Draft Fact sheet (Eng)	Draft Fact Sheet Ukr		
	In addition: potassium condition			S			Draft Fact Sheet (Eng)	Draft Fact Sheet Ukr		
	In addition: soil acidity (pH)			S			Draft Fact Sheet (Eng)	Draft Fact Sheet Ukr		

Q2	KQ 2 What are the main factors causing decrease or increase of agro biodiversity, and how do changes in the land use practice impact decrease or increase of agro biodiversity?										
	Consumption patterns (Wellbeing level)	D						calculated	Draft Fact Sheet (Ukr)		
	Poverty level	D						calculated	Draft Fact Sheet (Ukr)		
	In addition: rare (RDB species) as an indicator of main factors								proposed	Ag BINU Layer	
	Human population distribution and trends (linguistic diversity)	D						calculated	Draft Fact Sheet (Ukr)		
	Land use changes		P							Ag BINU Layer	
	Land use changes (privatisation)	D	P		I				Draft Fact Sheet (Ukr)		
	Land use changes (=type lands changes)	D	P		I				Draft Fact Sheet (Ukr)	Ag BINU Layer	
	Alien species					R		calculated	calculated		
	Artificial landscape fragmentation				I						
	Fragmentation (by Roads) - Road Network Density				I				Draft Fact Sheet Ukr	Ag BINU Layer	
	Fragmentation of natural landscapes (remnants inventory)				I			Draft Fact Sheet Eng	Special article (Rus)	Ag BINU Layer	
	Tillage frequency		P						Fact Sheet (Ukr)	Ag BINU Layer	
	Pasturage frequency		P	S	I				Draft Fact Sheet (Ukr)	Ag BINU Layer	
	Ag land management (soil & water)	D		S					Draft Fact Sheet (Ukr)		
	Ag inputs (fertilizers, pesticides, herbicides)										
	fertilizers mineral		P						Draft Fact Sheet (Ukr)	Ag BINU Layer	
	fertilizers organic		P						Draft Fact Sheet (Ukr)	Ag BINU Layer	
	herbicides, fungicides, insecticides		P						Draft Fact Sheet (Ukr)	Ag BINU Layer	
	Abiotic environment quality (soil, water, air) - see below	D									
	Abiotic environment quality (soil)								Draft Fact Sheet	Ag BINU Layer	
	Abiotic environment quality (water)								Draft Fact Sheet		
	Abiotic environment quality (air)								Draft Fact Sheet		
	Global climate change and pollution (provided by GLOBIO)	D						proposed	proposed		
	In addition: Conservation of lands: field-forest belts development				I			calculated	Draft Fact Sheet (Ukr)	Ag BINU Layer	
Q3	KQ 3 What lands could be returned to nature in the near future?										
	Spatial integrity index			S		R		RS map	RS map	Ag BINU Layer	
	Marginal ag lands (lands with low ag value)			S				calculated	calculated		
	Areas of high diversity with threatened species			S		R		calculated	publication	Ag BINU Layer	
	Areas for monitoring of ag wild plant species (related to protected areas)			S		R		Draft Fact Sheet (Ukr)	Draft Fact Sheet (Ukr)	Ag BINU Layer	
	Ag lands with long fallow periods	D		S	I				Fact Sheet (Ukr)		
	Low agricultural inputs			S				calculated	calculated		
	Human population			S					Draft Fact Sheet (Ukr)		
	Lands to be privatized	D			I			in discussion	in discussion		
	Economic pressures	D						proposed	proposed		
	Lands planned for conversion to a natural state				I			calculated	calculated	Ag BINU Layer	
	In addition: areas sustainability (tillage/sustainable areals ratio)			S				proposed	proposed		

