

that themes will be grouped differently, some being sub-themes of others. For example, some workshop participants felt that there should be a "Terrestrial Ecosystems" theme under which Land and Terrestrial Biodiversity should fall. There was also a strong feeling from participants that "Energy" (currently a cross-cutting topic) should be reported on as a separate theme. All of the inputs given and suggestions made will be carefully considered for the reporting structure.

INVITATION TO COMMENT

We invite you to comment on the summary table below. Should you have any comments, please forward them via E-mail to Donald Gibson at dgibson@srk.co.za by Friday 7 January 2005.

THANK YOU FOR YOUR PARTICIPATION

We would like to take this opportunity to thank the people and organisations that have participated in this process to date, by giving their time and effort, and sharing their knowledge and expertise. We look forward to your continued participation.

CONTACT US

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Yours sincerely,

Dr Rudi Pretorius
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TABLE 1. A CONSOLIDATION OF THEMES AND ISSUES IDENTIFIED BY SPECIALISTS AND WORKSHOP PARTICIPANTS FOR INCLUSION IN THE 2005 STATE OF THE ENVIRONMENT ANALYSIS (* = Critical topics/ issues identified as necessary for reporting)

THEME	SUB-COMPONENT	ISSUE
LAND	Land cover change*/ Land condition	Land degradation* and desertification
		Natural habitat loss
	Land tenure* (cross cuts with social)	Inappropriate tenure and inequitable access to land
	Land use management*	Productivity of cultivation and livestock production systems
Poor land use planning practices*		
BIODIVERSITY (cross-cutting theme)	Biodiversity integrity/ intactness	Effects of climate change on biodiversity
		Habitat loss (including fragmentation, degradation, loss (links with land use and land cover changes)
		Change in diversity*
		Invasion by alien species
	Ecosystem goods and services	Opportunities and costs of biological resources*
	Sustainable management of biodiversity	Lack of scientific knowledge about biodiversity* (specifically invertebrates)
Adequacy of formal protection of biodiversity		
State of management of biodiversity outside formally protected areas		
INLAND WATER	Fitness for use	Poor water quality in inland water systems
		Water quantity (availability and use)
	Ecosystem integrity*	Degradation and loss of aquatic ecosystems
	Water Resource Management	Lack of Resource Demand Management for bulk water resources allocation and enforcement
Access to water		
COASTAL & MARINE ENVIRONMENTS	Water quality	Coastal pollution*
		Costs of pollution
	Coastal/ Marine Management	Overexploitation of coastal resources*
		Coastal development* (related to habitat integrity)
		Adequacy of protection of coastal & marine environments and resources
		Access to coastal and marine resources
	Ecosystem goods and services	Opportunities and costs of coastal and marine environments and resources
	Ecosystem integrity	Habitat integrity* and resource quality (including estuaries, species diversity, alien invasive organisms)
Climate change leading to sea level rise and coastal erosion		
ATMOSPHERE	Source emissions	Quantities of source emissions* (mining, vehicles, waste treatment, industry, energy, odours).
	Air quality	Indoor air quality* related to human health (including domestic fuel use, tobacco smoke, asbestos etc.)
		Ambient air quality* (split into Urban* vs Regional and transboundary)
		Acid rain??
	Climate change	Global warming and climate variability
	Stratospheric ozone	Depletion of stratospheric ozone*
Persistent organic pollutants	Increasing levels of persistent organic pollutants (Multi media impact (transferable between air, water, soil etc.). Long range transport, bioaccumulates.)	
HUMAN SETTLEMENTS	Settlements & housing	Rapid urbanization (including unplanned settlements, access to housing))

THEME	SUB-COMPONENT	ISSUE
	Waste	Integrated waste management (generation, reduction)*
	Service delivery & infrastructure	Lack of access to services (electricity, water supply and sanitation*)
	Culture	Cultural heritage resources
ENVIRONMENTAL GOVERNANCE (This will need to be unpacked further)		Implementation success
		Co-operation success (partnerships/ alignments/ sharing of information)
		Strategic planning instruments (for development)
		Applicability of policy
		Expenditure on environmental management
		Institutional capacity for environmental management (system success)
		Information and research
		Enforcement and compliance
SOCIO-ECONOMIC ENVIRONMENT (Contextual)		Corporate responsibility (private sector)
		Population and demographic change*
		Increasing levels of poverty and inequality
		Health*
		Education*
		Increasing unemployment
		High incidence of crime
		Lack of public awareness, education, empowerment and participation in environmental issues
HUMAN VULNERABILITY	Marginal human settlements	Macro economy and sectoral composition
		Proximity to hazardous areas (floodplains, dolomitic areas, ridges, waste sites and natural hazardous land)
	Household livelihoods/ food security*	Informal settlements around urban areas
		Loss and degradation of productive land in some areas and provinces
	Environmental Health*	Consequences of exposure to poor environmental quality
		Malnutrition
	Climate Change	Impacts of extreme climatic events (mainly droughts) on food production
		Changes in disease patterns
	Conflicts over resources	Refugees and in-migration
		Inequitable access to resources (e.g. around conservation areas)
	Coping Capacity* (in relation to all issues)	Lack of awareness and early warning prediction
		Loss of traditional knowledge
		Socio-economic empowerment
		Land use planning
		Identification and location of vulnerable groups
Cross Boundary Issues	Air Pollution	
	Hazardous waste	
	Water quality and management	