

## WEHAB+3 Expanded The Big Picture

Thematic Clusters (WEHAB)	Cross-cutting issues (+3 = CC/DRM; P/P; P/C)
<p><b>1. Water</b></p> <ul style="list-style-type: none"> <li>• Quantity</li> <li>• Quality</li> <li>• Distribution</li> <li>• Safe drinking water &amp; Sanitation</li> <li>• Fresh water</li> <li>• Water pollution (coastal, marine, wet-lands)</li> <li>• International waters</li> <li>• Rivers - river resources and river basins</li> <li>• Policy (waters &amp; shared waters)</li> </ul>	<p><b>1. Climate Change/Disaster Risk Management</b></p> <p>Natural Science &amp; Engineering, Social Sciences and Humanities approaches to addressing these issues. More specifically: Mitigation (UNFCCC/COPs) and adaptation (UNDP APF), Disaster proofing economy and society through risk reduction, Engineering solutions to climate adaptation and adaptation financing. Climate change and water/food security, Coastal ecosystems and fisheries, Rainwater harvesting, Rainfall - human density studies, Ocean acidification, Climate modeling (RCMs), Building, construction and infrastructure for CC &amp; SD, Protection of the atmosphere (GHGs, NOx and CFCs connection), Oil and gas sector, Carbon neutral societies, the ethics of CC; carbon markets, CC as an SD issue, CC Capacity building, Networking and financing for SD, Policy issues.</p> <p><b>2. Population/Poverty</b></p> <p>Natural Science &amp; Engineering, Social Sciences and Humanities approaches to addressing these issues. More specifically: Education, research and HRD for community development and poverty eradication, Science and technology for social development, Demographic dynamics and SD, Housing and infrastructure development, Technology, engineering and innovation for SD, Integrated settlement planning and management (improvement in the lives of slum dwellers), Integrated water resources management and water efficiency plans, Water tariff and subsidies for urban and peri-urban households, Flood and drought losses, Waste water treatment, Energy and poverty reduction, Loss of biodiversity (goods and services) and poverty, Ecotourism, traditional knowledge (medicine, care for earth and life forms, natural resource management), Globalisation, Indigenous knowledge systems, Heritage, culture and cultural industries for SD, Earth Charter for SD, Multi media communication for SD, art forms and SD, ICT for SD, Urban, periurban development, 'Smart village, smart city' concept, Capital market industries, Development and innovation for community empowerment, Financial services and</p>

	<p>community based sustainability projects, Public private partnerships, ASEAN connectivity through education, infrastructure and trade development, Political stability, peace, justice, tolerance and good governance and human well-being; spirituality and SD; Diplomacy – regional and external relations, Green economy and green growth for poverty eradication, Institutional transformation for SD, Education for Sustainable Development, Capacity building, networking and financing for SD.</p> <p><b>3. Production/Consumption</b></p> <p>Natural Science &amp; Engineering, Social Sciences and Humanities approaches to addressing these issues. More specifically: Settlements and unsustainable use of water, Large-scale water use and pollution, Sound management of toxic chemicals and hazardous waste, Technology for clean energy, Integrated waste management (D4S, industrial symbiosis, industrial ecology, 3 Rs), Polluter pays approach, Large-scale composting (municipal and agricultural waste), Sustainable agriculture for food security and rural dev, Value addition to agricultural and farming products, Changing consumption patters, Industrial development for poverty eradication, Transportation (energy use, sust. urban planning), Built environment, Land use and land cover changes, Dire state of fish stocks, Biotechnology bioethics for SD (modification of genetic materials leading to improved plant and animal products and technologies), CSR, Value (economic and heritage) of ecosystem goods and services, Green industries and green jobs, Free and fair trade/ removal of barriers. Skilled labour mobility, Knowledge economy, Capacity building, networking and financing for SD.</p>
<p><b>2. Energy</b></p> <ul style="list-style-type: none"> <li>• Efficiency</li> <li>• Renewables</li> <li>• Diversification (biofuel, hybrid systems)</li> <li>• LEDs, white light</li> <li>• Energy and industrial development</li> <li>• Air Pollution</li> <li>• Climate Change</li> <li>• Energy for Sustainable Development</li> <li>• Accessibility and affordability</li> </ul>	<p><b>Same cross-cutting issues as above</b></p>

<p><b>3. Health</b></p> <ul style="list-style-type: none"> <li>• MDG related health issues</li> <li>• Urban health (air pollution)</li> <li>• Rural health – primary health care</li> <li>• Communicable diseases, lifestyle diseases</li> <li>• STDs</li> <li>• Pandemic preparedness</li> <li>• OHS</li> <li>• Water and health</li> <li>• Health and wholesome living for sustainability</li> </ul>	<p><b>Same cross-cutting issues as above</b></p>
<p><b>4 Agriculture</b></p> <ul style="list-style-type: none"> <li>• Agriculture for rural development</li> <li>• Integrated land management</li> <li>• Subsistence and commercial farming</li> <li>• Plantations</li> <li>• Forestry, REDD+</li> <li>• Drought and flood management</li> <li>• Desertification</li> <li>• Aquaculture</li> <li>• Fertilizer and pesticide use and the environment</li> <li>• Agriculture and Trade</li> <li>• Food Security</li> </ul>	<p><b>Same cross-cutting issues as above</b></p>
<p><b>5. Biodiversity</b></p> <ul style="list-style-type: none"> <li>• Forest goods and services</li> <li>• Economics of biodiversity</li> <li>• Biotechnology, pharmaceutical, biopesticides</li> <li>• Biofuel</li> <li>• Ecosystem management</li> <li>• Protected areas</li> <li>• Eco-tourism</li> <li>• Taxonomy, Herbarium</li> <li>• GM products</li> <li>• Germplasm, IPR, Ethics</li> </ul>	<p><b>Same cross-cutting issues as above</b></p>