

## 13044 - Appendix A

**Table 2.** Integrated Concepts (IC) derived from the synthesis of 712 sustainability concepts

Layer	IC #	Integrated Concept	N	Sample Concepts
Ontological	IC1	State of Being / Characteristic State	30	A characteristic or state; A state; Balanced conditions
	IC2	Flourishing & Thriving of All Life	10	All forms of life; Always Thriving; Co-existence with other creatures
	IC3	Ecosystem, Biosphere & Planetary Boundaries	22	Carrying capacity; Carrying capacity of ecosystem; Ecological bounds
	IC4	Natural & Human-Made Capital Stocks	5	Human-made capital; Manufactured capital; Natural capital
	IC5	Dynamic Systems, Complexity & Change	34	Balanced systems; Complex interaction; Dynamic balance
	IC6	Human–Environment & Society–Nature Relationship	5	Human--environment relationship; Lasting relationship; Maintaining relationship
	IC7	Resilience, Stability & Adaptive Systems	3	Adaptive prevention system; Resilience; Stability
Epistemological	IC8	Intergenerational Equity & Future Generations	37	Better world for future generations; Caring for Future needs; Future Generations
	IC9	Temporal Persistence & Non-Decline	58	Ability to be sustained; Consistency; Continuity
	IC10	Spatial Scale: Local to Global	21	Country level; Disturbances; Global and local scale
	IC11	Human Needs, Well-Being & Quality of Life	58	Acceptable level; Basic needs; Benefit
	IC12	Equity, Fairness & Social Justice	27	Addressal; Asset access; Benefit stakeholders
	IC13	Social Fabric, Culture & Community	40	Citizens; Citizenship model; Coexistence
	IC14	Civic Participation, Voice & Collective Agency	20	Actor involvement; Affected actors; Collective ability
	IC15	Responsibility, Ethics & Value Systems	18	Environmental responsibility; Ethical orientation; Ethical sensitivity
	IC16	Environmental Health, Conservation & Biodiversity	36	Biodiversity protection; Biological diversity; Ecological balance

	IC17	Resource Management, Limits & Efficiency	46	Absorptive capacity; Adequate resources; Capital comparability
	IC18	Economic Viability, Growth & Development	43	Business activities; Business context; Business--society balance
	IC19	Development, Progress & Human Advancement	17	Better state than received; Constant improvement; Continuous development
	IC20	Outcomes, Performance & Realization	15	Central unifying Idea; Conception and realization; Expected effects
	IC21	Holistic Balance & Integration of Dimensions	23	Balance; Building diversity; Compatibility
	IC22	Adaptive Capacity, Flexibility & Learning	16	Active cultivation; Adaptability; Adaptation
	IC23	Non-Compromise, Harm Prevention & Safeguarding	25	Avoiding collapse; Avoiding economic disruption; Avoiding extinction
	IC24	Epistemological Coherence & Knowledge Integration	18	Anthropocentric concept; Anthropological concept; Discourse
Methodological	IC25	Conservation, Preservation & Restoration Methods	14	Conservation; Conservation of life forms; Environmental conservation
	IC26	Sustainable Production, Innovation & Technology	16	Appropriate technology; Benefit production; Cost reduction
	IC27	Education, Behavior Change & Individual Action	11	Education; Human action; Individual action
	IC28	Institutional Governance & Organizational Methods	21	Acceptable economic process; Continued cooperation; Decentralized governance
	IC29	Continuity of Programs, Services & Benefits	5	Autonomous natural processes; Continuity of human activity; Implementation strategy continuity
	IC30	Institutional Memory, Knowledge Transfer & Capacity Building	18	Diversity-generating practices; Efficiency; Environmental deterioration reduction