Proposal for UGAF indicators

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0.Finding

- No proper SMS for Universities
- GRI,ISO,EMAS >< « Uni Core business »
- STARS, AISHE, PLAN vert…do not cover all the aspect of sustainability
- Comparison not easy
- Benchmark !

1.Objective

1. Help Universities
2. Allow the construction of benchmarks
3. Develop the exchange of best practices between members

2.Research methodology

- Criteria
  - Exhaustive
  - No restrictive
  - Accurate

2.Research methodology

- Sources
  - GRI
  - AISHE
  - ISO 14001
  - UMD
  - EVADDES
  - UiO
  - VUB
  - ...

3.Results : database

	Domain	Indicator	Units	Description	Source	Relevant	Compatibility
Categories							
4. Environmental Management / Operation	4.1 Materiels	Materials used by weight or volume.	QUALI (list)	- paper consumption - electronic materiels- chemical products. Measure the consumption of paper (input), eletronic materiels (input (items)- output (T)) and others. (proposal)	GRI		
	4.2 Materiels	Percentage of materials used that are recycled input materials.	%	- recycled paper - reuse building materials	GRI		ISO 14031- LEED
	4.3 Waste recycling	Total weight of waste by type and disposal method.	tons or m3 per year, per capital - €/capita - Quali(list)	yearly quantity of generated waste - non-dangerous waste: non sorted waste /capita - sorted waste/capita - dangerous Waste: non sorted waste/capita - sorted waste/capita. Calculate the impact of universities for waste disposal. Refers to the developing waste management system, any systematic form of waste fraction, the re-use of waste for others purposes (heating, compost,…), the safe disposal of electronic devises (WEEE) and chemical substances	GRI		ISO 14031
	4.4 Waste recycling	Recycling rate	%		UMD		
	4.5 Energy	Direct energy consumption by primary energy source.	kwh total, per m2, per capita, per person (student and employees)	-energy yearly consumed by source (including fuel, coal, natural gaz, biofuel, ethanol, hydrogen)	GRI		ISO 14031- UMD
	4.6 Energy	Indirect energy consumption by primary source.	kwh/m2	- intermediate energy purchased and consumed (including electricity, nuclear energy, solar, wind, geothermal, ….)	GRI		
	4.7 Energy	Energy saved due to conservation and efficiency improvements.	kwh/m2		GRI		ISO 14031- LEED
	4.8 Energy	Initiatives to reduce indirect energy consumption and reductions achieved.	QUALI (list)		GRI		
	4.9 Water	Total water withdrawal by source.	m3/year - m3/capita - m3/person		GRI		ISO 14031 - LEED-U
	4.10 Water	Water sources significantly affected by withdrawal of water.	QUALI (list)		GRI		ISO 14031 - LEED
	4.11 Water	Percentage and total volume of water recycled and reused.	QUALI (list)		GRI		ISO 14031 - LEED
	4.12 Water	Total water discharge by quality and destination.	litres		GRI		LEED
	4.13 Biodiversity	Habitats protected or restored.	QUALI (list)	e.g Rehabilitate damaged sites where development is complicated by environmental contamination, reducing pressure on undeveloped land.	GRI		LEED
	4.14 Biodiversity	Strategies, current actions, and future plans for managing impacts on biodiversity.	QUALI (list)	e.g Quantity of fertilizers & pesticides used yearly by ha - Number of planted tree on public space - Hours and money spent yearly for green spaces	GRI		ISO 14031 - LEED

3.Results: categories

1. **Governance & administration**
2. **Curriculum & study opportunities**
3. **Research**
4. **Environmental Management (operations)**
5. Social Policy
6. Society

3.Results: usefull database

1. **Main description of the indicator**
2. **Detailed description**
3. **Source**
4. **Units**
5. **Compatibility with others EMS**

4.UGAF Perspectives

1. A detailed list of well defined indicators covering all « Uni core Business »

2. A list of key indicators -> proposal for « UGAF » indicators