

EUROPEAN SUSTAINABLE CITIES REFERENCE FRAMEWORK

October 2009

*Materials for workshop:
sustainability criteria and
Assessment tool*



THE BERN COMPASS



The Bern Compass 1/4

Tool Goal :

- sustainability assessment of projects or policies
- criteria : impact on several themes
- balanced approach between 3 pillars (economy, environment, social)

➔ To give information on the optimization of a policy or project + a global assessment with regard to sustainability

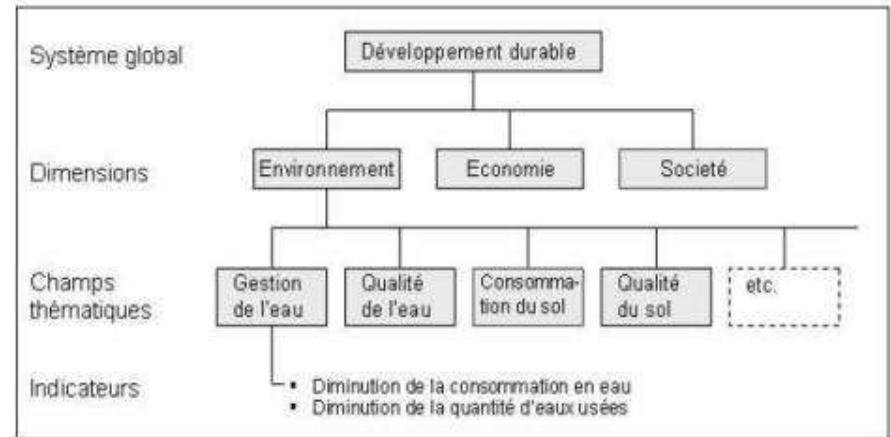


Illustration 1: Structure hiérarchique de la boussole du développement durable

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Sustainable Development Criteria – SD Grid Assessment

- **Notation :**

- by impact from -2 to +2 (important or not)

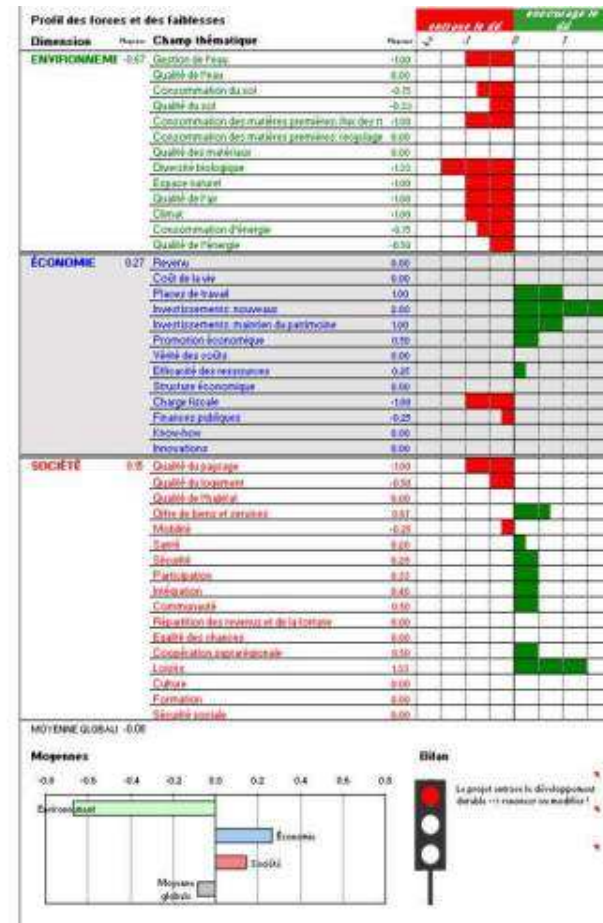
	1	2	3	4	5	6			
1	Boussole bernoise du développement durable: Grille d'évaluation								
2	Nom du projet :			Horizon territorial et temporel :					
3									
4	Evaluation effectuée par :			Base comparative :					
5									
6	Date :			Donnée [x]					
7									
8				-2	-1	0	1	2	Remarques
9	ENVIRONNEMENT								
10	Gestion de l'eau								
11		Diminution de la consommation en eau							
12		Diminution de la quantité d'eaux usées							
13	Qualité de l'eau								
14		Diminution des concentrations de substances polluantes							
15		Diminution des concentrations de substances nutritives							
16		Diminution des pollutions microbiologiques							
17	Consommation du sol								
18		Diminution de l'imperméabilisation du sol							
19		Diminution de la surface d'habitation par personne							
	Augmentation du développement intérieur (croissance à l'intérieure de la zone d'agglomération)								

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Results of the assessment tool :

• Aggregation, 3 way insight :

1. A first level : detailed aspects :
 - a profile of strengths / weaknesses with the positive or negative project in the different criteria
2. A second level of aggregation :
 - average values for the three dimensions as well as the overall value
3. A third level :
 - A green/red light for an 'at a glance' of the overall evaluation



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Adaptation and possible modularity

- **Possibility to :**
 - add new axes and objectives
 - add new criteria
 - change the level of notation

Bern Compass - SD Assessment Grid		Scale & short/long term assessment	
Project :		Comparative basis :	
Assessed by :		Date :	
Date :		Donnée	Data (X)
		-2	-1 0 1 2
		Observations	
ENVIRONMENT			
Axis 1	Criteria based on objective 1		
	Criteria based on objective 2		
Axis 2	Criteria based on objective 1		
	Criteria based on objective 2		
	Free Criteria based on objective 1		
Axis 3	Criteria based on objective 1		
	Criteria based on objective 2		
	Criteria based on objective 3		
	Free Criteria based on objective 1		
Free Axis 4	Criteria based on objective 1		
	Free Criteria based on objective 1		
	Free Criteria based on objective 2		
Free Axis 5	Criteria 1		

Bern Compass - SD Results		strengths and weaknesses profiles		Hindering SD		Promoting SD			
Dimension	Means	OBJECTIVES	Average	-5	-2,5	0	2,5	5	
Axis 1	?	Objective 1	?						
		Objective 2	?						
		Objective 3	?	?	?	?			?
		Objective 4	?	?	?	?			?
		Objective 5	?	?	?	?			?
		Objective 6	?	?	?	?	?		?
		Objective 7	?	?	?	?	?		?
		Objective 8	?	?	?	?	?		?
		Free objective 1	?	?	?	?			?
		Free objective 2	?	?	?	?			?
Free objective 3	?	?	?	?			?		
Free objective 4	?	?	?	?			?		
Free objective 5	?	?	?	?			?		
Axis 2	?	Objective 1	?						
		Objective 2	?						
		Objective 3	?						