



WORKSHOP

« Indicators of management effectiveness »

16-18th of March 2011 - Marbach-Switzerland



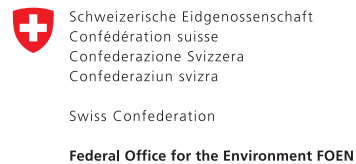
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Summary

1. Methodology
2. Glossary
3. Objectives meanings
4. Test-run



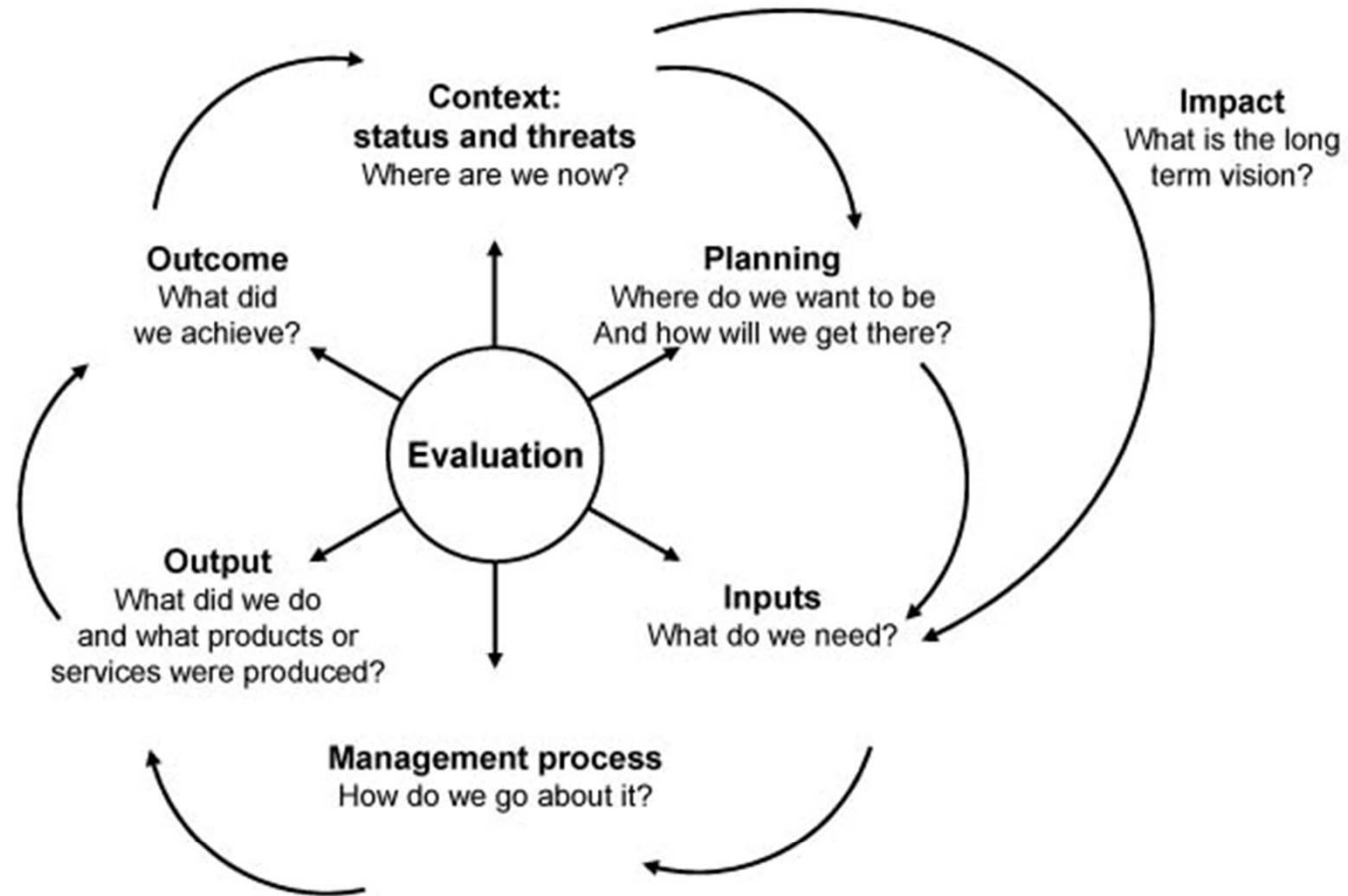
1. Methodology

How will the catalogue work?

- The indicators will be classified under five key objectives and a number of subordinate objectives. The five main categories are:

1. Nature conservation and landscape protection
2. Sustainable regional development
3. Communication and environmental education
4. Management of protected areas (operational matters, strategy, etc.)
5. Research and monitoring activities

1. Methodology



Elements and process of the PA's management after the Masterplan of the WCPA (Hockings et al 2000, 2006, modified by Plassmann 2010)

1. Methodology

How will the catalogue work?

The catalogue will be presented in the form of tables. Each table will be organised as follows:

- **OBJECTIVE:** The aims of a programme or project run by the protected area management
- **OUTCOME:** Medium-term results of a programme or project in relation to the objectives and generated by the partners' outputs.

The OUTCOME is divided into three parts:

Expected outcome: the intended outcome

Actual outcome: the outcome achieved

Outcome indicator: the indicator for measuring whether and/or how far the expected outcome has been achieved

- **IMPACT:** Positive and negative, primary and secondary, long-term changes or effects produced by a programme or project whether direct or indirect, intended or unintended.
- **OUTPUT:** The products (goods, services, etc.) generated under a programme or project in order to achieve the objectives and to produce an outcome.
- **COSTS:** The expenses incurred in the process of producing the output.

1. Methodology

How will the catalogue work?

INDICATORS FOR MANAGEMENT							
OBJECTIVE 1							
1 Nature conservation and landscape conservation							
1.1 Biodiversity conservation							
OBJECTIVE	OUTCOME				IMPACT	OUTPUT	COSTS
	Expected	Indicator	Real	Reasons	> 10 years	activities	€
1.1.1 General biodiversity conservation	Protection of 99% of the biodiversity within 10 years	1. Species pool which can be evaluated: number of observed red deer, number of observed flower sites, number of local bird species...			Viable and stable populations	Regulation disposals in an officially approved document according to regional or national law	Investment / regular yearly costs
Methodology protocol / Data source & availability	Definition of species pool according to local circumstances and biological situation						
Experiences and applications	See programs of nature protection administrations of the NUTS 2 and 3 or equivalent territorial units						
	Swiss National Park, Gran Paradiso National Park						

2. Glossary

English	OUTPUT The products (goods, services, etc.) generated under a programme or project.	OUTCOME Medium-term results of a programme or project in relation to the objectives and generated by the partners' outputs.	IMPACT Positive and negative, primary and secondary, long-term changes or effects produced by a programme or project whether direct or indirect, intended or unintended.
Deutsch	LEISTUNGEN Die Produkte (von der Parkverwaltung angebotene Güter oder Dienstleistungen) eines Programms oder Projekts.	WIRKUNG Mittelfristig erreichte Ergebnisse eines Programms/Projekts im Verhältnis zu den gesetzten Zielen, welche durch die Leistungen verschiedener Partner erzielt werden.	IMPAKT Positive und negative, primäre und sekundäre langfristige Wirkungen (Folge- und Nebenwirkungen) eines Programms/Projekts, die direkt oder indirekt, beabsichtigt oder nicht beabsichtigt, erwünscht oder nicht erwünscht sein können.
Français	PRESTATION/MESURE/PRODUIT Les produits (biens ou services réalisés par l'organisme de gestion d'une aire protégée) dans le cadre d'un programme ou projet = ce sont les réalisations.	RÉALISATION/EFFECT DIRECT Résultats d'un programme/projet accompli à moyen terme en relation avec ses objectifs et qui ont été générés par les prestations/mesures des divers partenaires.	IMPACT L'ensemble des changements/effets positifs et négatifs, primaires et secondaires à long terme, générés par un programme/projet, directement ou non, intentionnellement ou non.
Italiano	PRESTAZIONE/MISURA/REALIZZAZIONE I prodotti (beni e servizi realizzati dall'organismo di gestione dell'area protetta) nell'ambito di un programma o di un progetto.	ESITO Risultati di un programma/progetto conseguiti nel medio termine, in relazione agli obiettivi iniziali e che sono stati generati (i risultati) dalle prestazioni/misure dei diversi partner del progetto.	IMPATTO L'insieme dei cambiamenti/effetti positivi e negativi, primari e secondari a lungo termine, generati da un programma/progetto, direttamente o indirettamente, intenzionalmente o no.

3. Objectives meanings

Defining management effectiveness indicators and what they could mean for the protected areas...

1. Nature and landscape conservation
 - 1.1. Biodiversity conservation
 - 1.1.1. General biodiversity conservation
 - 1.1.2. Managing endangered and indigenous species
 - 1.1.3. Habitat conservation
 - 1.1.4. Water and wetlands protection
 - 1.1.5. Forest conservation
 - 1.1.6. Conservation of dry grasslands
 - 1.1.7. Conserving natural processes
 - 1.2. Establishing and conserving ecological networks
 - 1.2.1. Creating and preserving connectivity within the protected area
 - 1.2.2. Creating and preserving connectivity outside the protected area
 - 1.3. Landscape conservation
 - 1.3.1. Local perception of the landscape
 - 1.3.2. Conserving traditional landscape features
 - 1.3.3. Conserving typical cultural landscapes

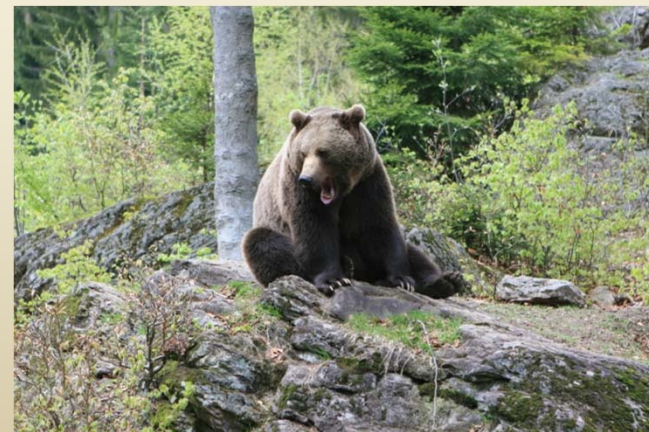
4. Test-run

How to proceed?

Step 1: → First, define the expected OUTCOME and the OUTCOME indicator for each objective

EXAMPLE 1:

- **Objective:** General biodiversity conservation
- **Expected OUTCOME:**
Reconstitution of a vital population of *Ursus arctos* within 10 years (30 reproductive specimens)
- **OUTCOME Indicator:**
Number of reproductive bears



4. Test-run

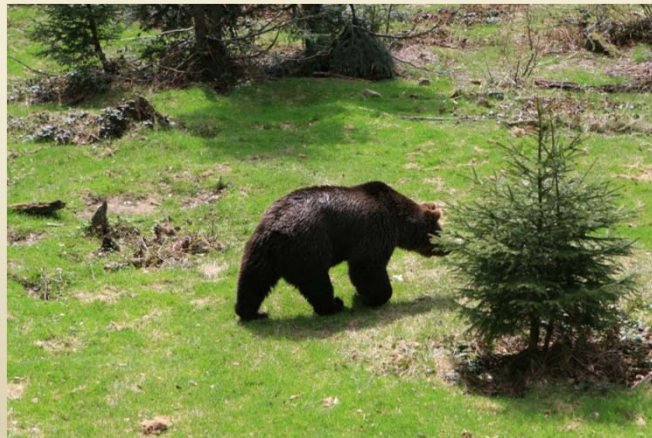
How to proceed?

Step 2: → Define the IMPACT, which should be a long-term objective (over 10 years).

EXAMPLE 1:

- **Impact:**

Viable and stable populations along the Alpine arc (protected area)



4. Test-run

How to proceed?

- **Step 3:** → Define the OUTPUT required in order to achieve the stated OUTCOME.

EXAMPLE 1:

- **OUTPUT:**

Reintroduction of 9 specimen of brown bears (3 males and 6 females)

4. Test-run

How to proceed?

- **Step 4:** → Precise the costs (as a feasibility indicator)

EXAMPLE 1:

- **COSTS:**
100,000 €



4. Test-run

How to proceed?

- **Step 5:** → Develop a methodology protocol by taking into account the data sources and availability.

EXAMPLE 1:

- **Methodology protocol :**

Studies of brown bear's ecology; preliminary study on feasibility; individuation of potentially favourable areas; Life Natura, Life + and Life co-op projects.

4. Test-run

How to proceed?

- **Step 6:** → Report other experiences, applications and monitoring (“lessons learned”).

EXAMPLE 1:

- **Experiences and applications:**

Project “Life Ursus” Adamello-Brenta Park; Project “Priority measures for the conservation of large carnivores in the Alps” University of Udine, Project “Integrated plan of action to protect two NATURA 2000 sites” University of Udine; Project “Conservation of big carnivores in Slovenia – Phase I (brown bear)” Slovenian Forest Service; Project “Bear protection program for Austria” WWF Austria; Project “Conservation and management of the brown bear in Austria” WWF Austria

4. Test-run

OBJECTIVE	OUTCOME			IMPACT	OUTPUT	COSTS
	Expected	Indicator	Real			
1.1.1 General biodiversity conservation	Reconstitution of a vital population of <i>Ursus arctos</i> within 10 years (30 reproductive specimens)	1. Number of reproductive bears	20 reproductive specimens	Difficulties on the settlement of the released bears	Viable and stable populations along the Alpine arc	100,000.00 €
Methodology protocol / Data source & availability	Studies of brown bear's ecology; preliminary study on feasibility; individuation of potentially favourable areas. Life Natura, Life + and Life co-op projects.					
Experiences and applications	Project "Life Ursus" Adamello-Brenta Park; Project "Priority measures for the conservation of large carnivores in the Alps" University of Udine; Project "Integrated plan of action to protect two NATURA 2000 sites" University of Udine; Project "Conservation of big carnivores in Slovenia – Phase I (brown bear)" Slovenian Forest Service; Project "Bear protection program for Austria" WWF Austria; Project "Conservation and management of the brown bear in Austria" WWF Austria					

4. Test-run

How to proceed?

Step 1: → First, define the expected OUTCOME and the OUTCOME indicator for each objective

EXAMPLE 2:

- **Objective:** 2.5.1. Key ecological constructions
- **Expected OUTCOME:**
Demonstrate how the use of particular building techniques and materials could create energy savings of 20 % in residential buildings
- **OUTCOME Indicator:**
Energy consumption of the building



4. Test-run

How to proceed?

Step 2: → Define the IMPACT, which should be a long-term objective (over 10 years).

EXAMPLE 2:

- **Impact:**

Construction of energy-efficient buildings with 'Sun and Wind' (S&W) certification standards. Creation of new workspace.

4. Test-run

How to proceed?

- **Step 3:** → Define the OUTPUT required in order to achieve the stated OUTCOME.

EXAMPLE 2:

- **OUTPUT:**

Renovation of an existing building and the construction of a new one with specific building techniques and materials derived from local traditions.



4. Test-run

How to proceed?

- **Step 4:** → Precise the costs (as a feasibility indicator)

EXAMPLE 2:

- **COSTS:**
1,799,999 €



4. Test-run

How to proceed?

- **Step 5:** → Develop methodology protocol by taking into account the data sources and availability.

EXAMPLE 2:

- **Methodology protocol :**
Project Life Environment



4. Test-run

How to proceed?

- **Step 6:** → Report other experiences, applications and monitoring (lessons learned).

EXAMPLE 2:

- **Experiences and applications:**

Project “S & W - Sun and wind” Township of Palermo

4. Test-run

OBJECTIVE	OUTCOME			IMPACT	OUTPUT	COSTS	
	Expected	Indicator	Real		Reasons	> 10 years	activities
2.5.1. Key ecological constructions	Demonstrate how the use of particular building techniques and materials could create energy savings of 20 % in residential buildings	1. Energy consumption of the building	Energy savings of as much as 40% are possible	The techniques and materials employed were more efficient than expected.	Construction of energy-safe buildings with 'Sun and Wind' (S&W) certification standards; Creation of new workplace	Renovation of an existing building and the construction of a new one with specific building techniques and materials derived from local traditions	1,799,999.00 €
Methodology protocol / Data source & availability	Project Life Environment						
Experiences and applications	Project "S & W - Sun and wind" Township of Palermo						

4. Test-run

How to proceed?

Step 1: → First, define the expected OUTCOME and the OUTCOME indicator for each objective

EXAMPLE 3:

- **Objective:** 3.1.2 Visitor information
- **Expected OUTCOME:**

Awareness raising of ecological processes within the local population and visitors

- **OUTCOME Indicator:**

Number of participants at the guided thematic excursion



4. Test-run

How to proceed?

Step 2: → Define the IMPACT, which should be a long-term objective (over 10 years).

EXAMPLE 3:

- **Impact:**

People are changing behavior towards nature

4. Test-run

How to proceed?

- **Step 3:** → Define the OUTPUT required in order to achieve the stated OUTCOME.

EXAMPLE 3:

- **OUTPUT:**

Organisation of guided thematic excursions about ecological processes in the PA

4. Test-run

How to proceed?

- **Step 4:** → Precise the costs (as a feasibility indicator)

EXAMPLE 3:

- **COSTS:**
10,000 €



4. Test-run

How to proceed?

- **Step 5:** → Develop methodology protocol by taking into account the data sources and availability.

EXAMPLE 3:

- **Methodology protocol :**
Registration forms

4. Test-run

How to proceed?

- **Step 6:** → Report other experiences, applications and monitoring (lessons learned).

EXAMPLE 3:

- **Experiences and applications:**
Different PA



4. Test-run

OBJECTIVE	OUTCOME			Reasons	IMPACT	OUTPUT	COSTS
	Expected	Indicator	Real		> 10 years	activities	€
3.1.2 Visitor information	Awareness raising of ecological processes within the local population and visitors	1. Number of participants at the guided thematic excursion	Average 30 participants per excursion	The activities weren't well advertised, bad weather, little interest	People are changing behavior towards nature	Organisation of guided thematic excursions about ecological processes in the PA	10,000.00 €
Methodology protocol / Data source & availability	Registration forms.						
Experiences and applications	Different PA						

Merci, Grazie, Danke, Hvala, Thank you



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