

**Instructions for filling in 'Indicator Development' forms - please undertake 3 or more examples to be returned as per the covering letter prior to the workshop.**

## **Environmental Performance Indicators**

### ***Policy / Issue Based 'Pressure-State-Response' Indicator Framework***

#### ***Steps for completing Parts 1, 2 and 3 of the Framework, and definition of headings***

#### **Part 1: Indicator Development**

- a) Topic - describes the theme/ subject area for indicator development
- b) Issue: relates to a matter which needs to be addressed through State of the Environment monitoring and reporting. Pertains to a resource or environmental problem. Usually includes the cause of the problem.
- c) Policy Goals - directly state the policy provisions from statutes and plans relevant to the topic and issue
- d) Condensed Goal(s) - summarise policy goals into one general 'focusing' statement
- e) Policy Gaps - summarise gaps in policy provisions relevant to the topic and issue
- f) Identify the 'pressure', 'state, and 'response' components of the issue, i.e:
  - Pressure: identify what causes the issue (e.g. which natural processes/ human activities)
  - State: identify the specific part of the environment affected by the issue (name the critical components of the environment where the issue manifests itself, e.g. species, habitats, processes, ecosystems etc.)
  - Response: identify and note existing/ current policy provisions or management actions that deal with the issue (controls, regulations, planning, recovery/ restoration programmes etc.)
- g) Identify the measures (potential indicators) that best represent the pressure, state and response components of the issue from e):
  - what should be measured to track the pressure, state (environmental condition) or response (e.g. identify and note the type or extent of pressure(s) or state(s); the number or extent of actions that deal with the issue. Include a target or threshold value as appropriate).
- h) Identify the main reasons for choosing the measures (potential indicators) in f), e.g the measure:
  - represents the issue
  - is sensitive to change
  - has methods already established
  - is currently monitored...

#### **Part 2: Assessment and Prioritising of Potential Indicators against Indicator Criteria:**

- a) List the potential indicators from Part 1, f)
- b) Assess the potential indicators against the indicator criteria provided by assigning a score of 1 (poor) to 5 (excellent) for each criterion and potential indicator. For example, potential indicator X is policy relevant, so it gets a score of 5 under this criterion heading. Indicator Y is not easily understood, so it gets a score of 1. Add criterion headings scores - total criterion scores in the far right 'total score' column
- c) Note priority status (i.e. high, medium or low) of potential indicators based on the total assessment scores from Part 2, b.

### Part 3: Nuts and Bolts for High Priority Indicators

- a) Fill in the 'Part 3' information sheet for each priority indicator. Use a new information sheet for each potential indicator. The headings on the sheet are designed to gather information about how the indicator is, would/could be monitored and reported, and by whom, e.g. data capture, information management and reporting:
- monitoring methods and frameworks, e.g: classification systems that may be required, areas to monitor (spatial basis/extent), frequency of monitoring (temporal basis/sampling programmes), and geographical referencing (e.g. spatial framework on which monitoring is mapped)
  - indicator thresholds or target values (e.g. % change, net gain or loss etc. that needs to be detected, sensitivity of measure etc.).
  - *for biodiversity, criteria should be established for choosing taxa. Any taxa/ ecosystems/ sites used should be subject to the same processes (natural and/or managed) as the taxa, ecosystems/sites they represent*
  - reporting levels (e.g. technical, executive summary, State of the Environment).

**Part 1 - Indicator Development -**

a) TOPIC: Urban Amenity

b) ISSUE:

c) POLICY GOALS: G1)  
 G2)  
 G3)

d) CONDENSED GOAL(S):

e) POLICY GAPS:

**f) IDENTIFY THE 'PRESSURE-STATE-RESPONSE' COMPONENTS OF THE ISSUE**

P-S-R FRAMEWORK	PRESSURE	STATE (CONDITION)	RESPONSE
Identify the 'pressure', 'state' and 'response' components of the issue ⇒	What causes the issue: ↓	Specific part of the environment affected by the issue: ↓	Policy/ management actions for the issue (existing/ current): ↓

**g) IDENTIFY THE MEASURES (potential indicators) THAT BEST REPRESENT 'PRESSURE-STATE-RESPONSE' COMPONENTS OF THE ISSUE**

<b>POTENTIAL INDICATORS</b>	<b>PRESSURE</b>	<b>STATE (CONDITION)</b>	<b>RESPONSE</b>
<b>Measures to best represent pressures/ conditions/ responses above ⇒</b>	<i>What do we need to measure to track pressures:</i>  ↓ a) b) c) d) e)	<i>What do we need to measure to track condition:</i>  ↓ a) b) c) d) e)	<i>What do we need to measure to track response:</i>  ↓ a) b) c) d) e)

**h) IDENTIFY MAIN REASONS FOR CHOOSING MEASURES IN f) ABOVE**

<b>Main reasons for choosing above measures / what will the measures tell us (a), b), etc. correspond to a), b), c)... above) ⇒</b>	a) b) c) d) e)  ↓	a) b) c) d) e)  ↓	a) b) c) d) e)  ↓
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## **Environmental Performance Indicators (EPI):**

### **Part 3 - 'Nuts and Bolts' for High Priority Indicators**

**ISSUE:**

**Potential indicator:**

**What type of classification system is required, if any?**

**What degree of change NEEDS to be detected (i.e. threshold/target)?**

**Could the indicator be based on existing monitoring?**

**Suggested/recommended monitoring methods:**

**What degree of change CAN be detected:**

**Getting a national picture: Scale and geographical extent for monitoring**  
*(note scale and extent of area required for monitoring:*

**How frequently should the indicator be monitored:**

**Who could, and/or should monitor the indicator:**

**How should the indicator information be reported** *(technical/ executive summary/ GIS/ graph):*

**Does the indicator link to other EPI issues/ indicators** *(note its use for a range of situations):*

**Recommended:**

*Stage 1 indicator*  
*(ready now)*

*Stage 2 indicator*  
*(further development)*

*Discontinue*  
*(not suitable)*

**Future work required:**

**Date:**