



Factsheet 5

Analysis of the potential effects of climate change ('simple analysis')

For this phase:



This framework of **eight** questions is **intended to guide you** in analysing the **potential effects** of climate change (simple analysis) during phase 2, 'Prospective analysis,' of the Natur'Adapt process. Remember that potential effects are the possible positive or negative repercussions of climate change. This analysis makes it possible to carry out a prospective analysis without going through the sometimes-complex concepts underlying vulnerability (detailed analysis). As a reminder, you can choose to carry out **simple analyses** for one component (e.g. human activities) and **detailed analyses** for another (e.g. natural heritage).

For simplicity's sake, **the framework is common to the 'natural heritage,' 'human activities' and 'management tools and resources' components. You are free to adapt it** to suit your context and the choices you make during the planning phase. **Illustrations** are provided for each component as you go through the questions below, and **examples** of analysis are available in the Natur'Adapt guide on pages 35, 39 and 45.

OBJECT	Q1	How is it important/structural for the protected area? Why was it chosen?
	Q2	What are its main characteristics (within the scope of the analysis)?
OBSERVED EFFECTS	Q3	What effects of climate change have already been observed on the object of analysis?
POTENTIAL EFFECTS	Q4	What are the main climatic parameters and hazards that may affect the selected object AND how will they evolve with climate change?
	Q5	What is/are the potential effect/s of this future climate on the object?
POTENTIAL ADAPTATIONS	Q6	What are the main external (non-climatic) factors that may favour or limit the adaptation of the selected object? AND how will they evolve?
	Q7	What adaptation actions can be taken to limit the negative effects or take advantage of the positive effects of climate change on the object?
	Q8	During this analysis, what needs for improved knowledge emerged?

Framework of questions for analysing potential effects ('simple analysis')

Finally, there are several possible ways of **answering the questions** (bibliography, interviews, workshops, etc.)! It's up to you to define them.

Questions

For each object of analysis (selected, at the level of the protected area and based on current knowledge: human activity / natural heritage feature / management action or resource):

OBJECT OF ANALYSIS

OBJECT OF ANALYSIS:

Q1 How is it **important/structural** for the protected area? Why was it chosen?

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Q2 What are its main **characteristics** (within the scope of the analysis)?

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Q3 What **effects** of climate change have already been observed on the object of analysis?

in the protected area:

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around or in a similar context:

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Source(s):

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Level of confidence (Is it fairly high or very low?):

Very high

High

Average

Low



What are the **main external** (non-climatic) **factors** that may favour or limit the adaptation of the selected object? **AND how will they evolve?**

Example external factors:

- For a **human activity**: public policies, competition with other sectors, lack of opportunities, scarcity of resources, etc.
- For an element of the **natural heritage**: human activities exerting anthropogenic pressures (fragmentation of environments, removal of individuals, etc.), invasive alien species, etc. and environmental limiting factors such as physical barriers to movement, competition between species, etc.
- For a **management** action or resource: human activities, available resources, public policies, physical boundaries of the area, available skills and knowledge, etc.

NB: The objects of the 'human activities,' 'natural heritage' and 'management actions and resources' components may be factors of influence/external to each other! For example, the evolution of human activities should be reused here for the analysis of natural heritage objects.

List the factors AND how they will evolve:

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Justification:

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Source(s):

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Level of confidence (Is it fairly high or very low?):

Very high High Average Low

Q7

What **adaptation actions can be taken** to limit the negative effects or take advantage of the positive effects of climate change on the object?

For the 'human activities' component, the result of this question should be integrated into the analysis of the 'natural heritage' and 'management actions and resources' components.

For the 'natural heritage' and 'management actions and resources' components, it is not necessary to go into detail at this stage. The answers to this question will be used as input during phase 3, 'Adapting management,' to define adaptation measures.

Courses of action:

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Justification:

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Source(s):

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Q8

During this analysis, what needs for **improved knowledge** emerged?

Don't forget to reuse these tips in the adapting management phase when defining adaptation measures!

Ways of improving knowledge:

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