

EXERCISE 4: DESCRIBE AN ENERGY PLANNING PROCESS

GUIDE FOR THE STUDENTS

OBJECTIVE

Your objective is to describe a fictional yet plausible energy programme/plan for a given area. Such description should concern not only the procedure of making the programme/plan, but also the measures that are necessary for assessing, implementing and monitoring it.

The description will consist in a concept map answering the main focus question:

- how do we make, assess, manage and monitor an energy programme/plan for the area xxx?

PRELIMINARY FOCUS QUESTIONS

The following questions will help you in defining your case study.

Be aware that each choice you make will have an influence on the development opportunities for the single renewable energy sources, on the nature and extent of the potential impacts, and on the need for data and information in the planning and implementation phases. Be coherent in your choices, your case studies must be plausible.

What spatial scale are you working in?

- neighbourhood
- city
- district/prefecture/province or metropolitan area
- region

What is the physical environment? You can choose more than one in case of a region-wide area.

- flat, coastal area
- plateau over narrow coast
- hilly, inland area
- inland, sandy/rocky desert

What is the local climate?

- arid (mild and dry winters, very hot and dry summers)
- Mediterranean (mild and rainy winters, hot and dry summers)
- subtropical (mild winters, hot and humid summers)

How is the government/administration structure?

- centralised government (centrally responsible for approval of spatial and sector plans)
- de-centralised regional government (responsible for approval of spatial and sector plans)

What is the leading economic sector?

- manufacturing
- agriculture
- tertiary and/or public administration
- tourism

Please choose a total of 2 to 6 elements from at least 2 of the following categories.

Are there large facilities?

- hospital
- research centre/university campus
- stadium/sports centre
- refugee camp
- shopping mall
- administrative district
- industrial district
- tourist resort

Is there any important infrastructure?

- railway station
- port
- bus station
- logistic hub
- waste treatment plant and/or landfill and/or incinerator
- dam

Are there important elements of natural/cultural heritage?

- natural protected area (forest, wetland, bird sanctuary, ...)
- elements of the hydrographic network (lake, river, ...)
- cultural heritage site
- classified scenery

SUGGESTED STEPS FOR THE EXERCISE

1. Make your preliminary assumptions by answering the preliminary focus questions and choosing among the answers provided. Start making a concept map illustrating the spatial and governmental context you have chosen.
2. Make a strengths/weaknesses analysis starting from your assumptions and having in mind the objective of the implementation of your energy programme/plan.
3. Set your objectives according to the preliminary assumptions and analyses.
4. Use the ENEPLAN Cmap as a guide and/or starting point.
5. Start expanding the map of point 1 and describe your programme/plan, keeping in mind the main focus question and using the same procedure of the previous days.
6. You can add any kind of media to the map if necessary; add them as links to external resources.

HINTS

- The preliminary focus questions are only a general guide. Ask yourselves more questions in order to enrich the plausibility of your case. The richer the set of conditions, the more plausible your energy programme/plan. Be aware not to take more than half an hour for this part in order to save time for the following!
- Ask your tutors for help if necessary.
- Save a short time at the end of the day for preparing to present your map.