



CTU

CZECH TECHNICAL
UNIVERSITY
IN PRAGUE

ENvironmental Engineering

Environmental Impact Assessment

Seminar #3 – ALTERNATIVE SOLUTION



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TASK #2 – environmental impacts

From the last seminar:

- List of the problems (5 + 5)
 - Identified main consequences on the environment
 - List of the measures
- Be able to discuss the problems, consequences, measures
- FORM: up to you
- At least one group member must be present

TASK #3 – alternative solution

Within EIA usually more alternatives and their impacts are compared

- 1. Designed solution (proposed by the developer)**
- 2. No-go option**
- 3. Alternative design/solution**
- 4. or minor, concrete, modifications of the proposed design**

TASK #3 – alternative solution

To do:

- 1. Clearly identify and describe the proposed design.**
 - You may concentrate on a certain issue of the report, if the problem is too large or complex (e.g. *bypass of a wetland, not 200 km of highway*)
 - Make sure you understand the problem (*the goal is not to build a landfill, but to get rid of the waste*)
- 2. Look for the NO-GO scenario in the report** – in some reports this part may be missing

TASK #3 – alternative solution

To do:

3. Propose your alternative solution

- Concentrate on the problem (*what to do with the waste, not necessarily where to place the landfill*)
- You may address only a part of the whole project (the same you've described in the point 1) (*e.g. tunnel below the wetland*)
- Be creative, you're not limited by budget (but the solution should be theoretically applicable)
- Try to incorporate new technologies

4. Describe your solution

- In a reasonable detail
- You must understand your design and technology used
- Make sure that your solution fulfills the needs (*e.g. You will produce the same amount of energy; the same amount of goods will be transferred;...*)
- Your solution should fit to the place, where you plan to introduce it

TASK #3 – alternative solution

Deliverables for the next seminar:

1. Detailed description of the developer's project (or of its part)
 - This you most likely already have
2. Is there the NO-GO alternative evaluation in the report? (Yes / No)
3. Description of the alternative solution
 - **I recommend to start to work on the report**

Near future:

- #4 – Quantitative analysis of the impacts and comparison of the alternatives**
- #5 – Report and presentation preparation**