



# BECCA – BASE Evaluation Criteria Climate Adaptation

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#### **Climate adaptation evaluation**

- Climate change adaptation carried out through different policies and measures -> which need to be evaluated to check performance, to see improvement potential, to formulate recommendations to other implementers
- Criteria and criteria sets to evaluate the implementation of climate adaptation policies and measures, e.g. assessment of effectiveness, side effects, interlinkages between different policy objectives, etc.





#### **Research aims**

- Identify a set of criteria for evaluating implementation of adaptation action
- Based on existing approaches, frameworks and criteria sets for climate adaptation evaluation
- Meta-analysis to systematise these criteria

   and on that basis, to develop a set of BASE climate adaptation criteria
- Based on criteria set to develop BECCA tool

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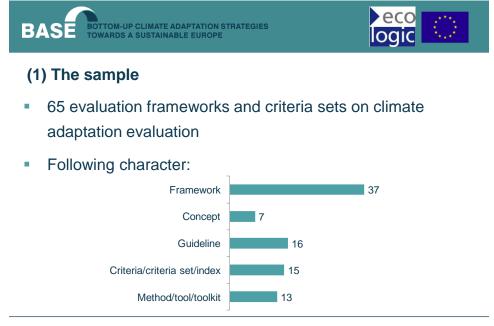


- (8) Adaptive capacity
- (9) Participation
- (10) Policy coherence and vertical integration

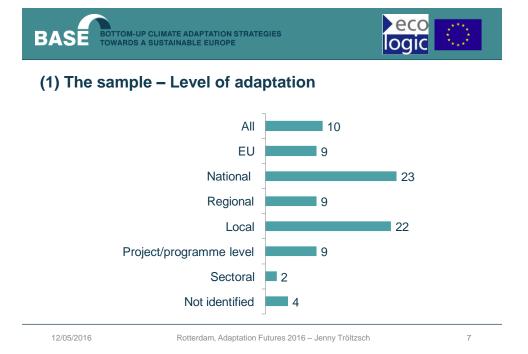
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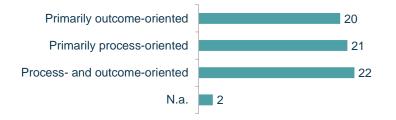


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### (1) The results - Outcome- and process-oriented approaches

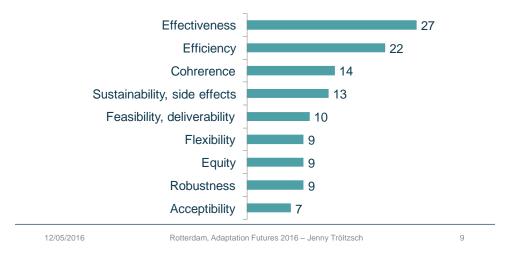


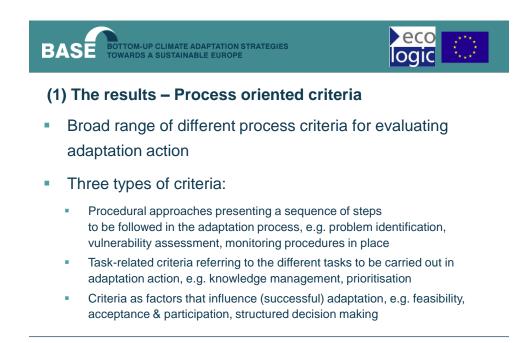
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### (1) The results - Outcome criteria for adaptation evaluation







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## (2) Feedback of BASE Case studies

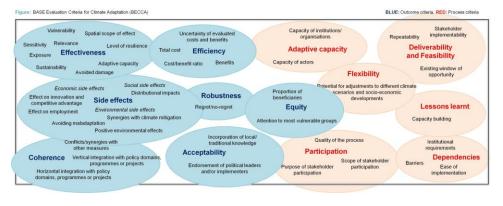
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- Relevance of criteria: most rank high in relevance, little variation in rankings between different case studies
- Feasibility/available information of criteria: clear differences in ranking of criteria/sub-criteria
  - challenges in practical application of indicators for which less information is available
  - more detailed sub-criteria more difficult to apply

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# (2) Revised BECCA



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# (2) Specific guidance for use of BECCA

- BECCA is comprehensive criteria set which needs to be adjusted for different adaptation situations, e.g.:
  - Prospective evaluation: effectiveness, efficiency, feasibility: less available information
  - Coherence especially relevant for bundle of measures such as strategies, action plans
  - Bottom-up approach more relevant: incorporation of local knowledge, acceptability
  - Acceptability, coherence, robustness less feasible to evaluate in conflictual settings, however it should be included in conflicutal and consensual settings, because could also be part of solution
  - Cost effectiveness and efficiency particularly important for large investments





#### Conclusion

- There are numerous BECCA criteria that can be applied reasonably at modest or low costs. -> especially process criteria
- Suggestion to start evaluation of adaptation by examining relevant processes, then identify which detailed in depth evaluations of outcomes should be implemented.
- Simple and quick generalisation are difficult due the context-specific nature of adaptation situations.
- Therefore, we recommend that users tailor their own sets of evaluation criteria from BECCA.

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#### Outlook

- To produce more robust guidance on how to use individual criteria, a much broader empirical basis is necessary.
- BECCA at the moment transferred to a web-based tool. (by University of Lisbon (FFCUL), Aarhus University, UFZ): <u>BECCA-tool</u>

will be available at <u>www.base-adaptation.eu</u>





# Thank you!

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