



Recommendations for the Elaboration of the Baseline Scenario



EX-ACT Training Workshop



Baseline scenario

- the **counterfactual** outcome in terms of input variables & GHG impacts that would most likely have occurred in absence of the project intervention
- the instrumental step to estimate and prove the **additionality** of a project, meaning its capacity to lead to less GHG emissions than without project
- final results of EX-ACT are determined as strongly by the project as the baseline scenario
- setting a baseline can have **political** implications as well as **technical**, as the level of emissions that a country or project might claim as a right, is not necessarily the same as the most likely emissions growth scenario without the project

Three methods for developing the baseline scenario

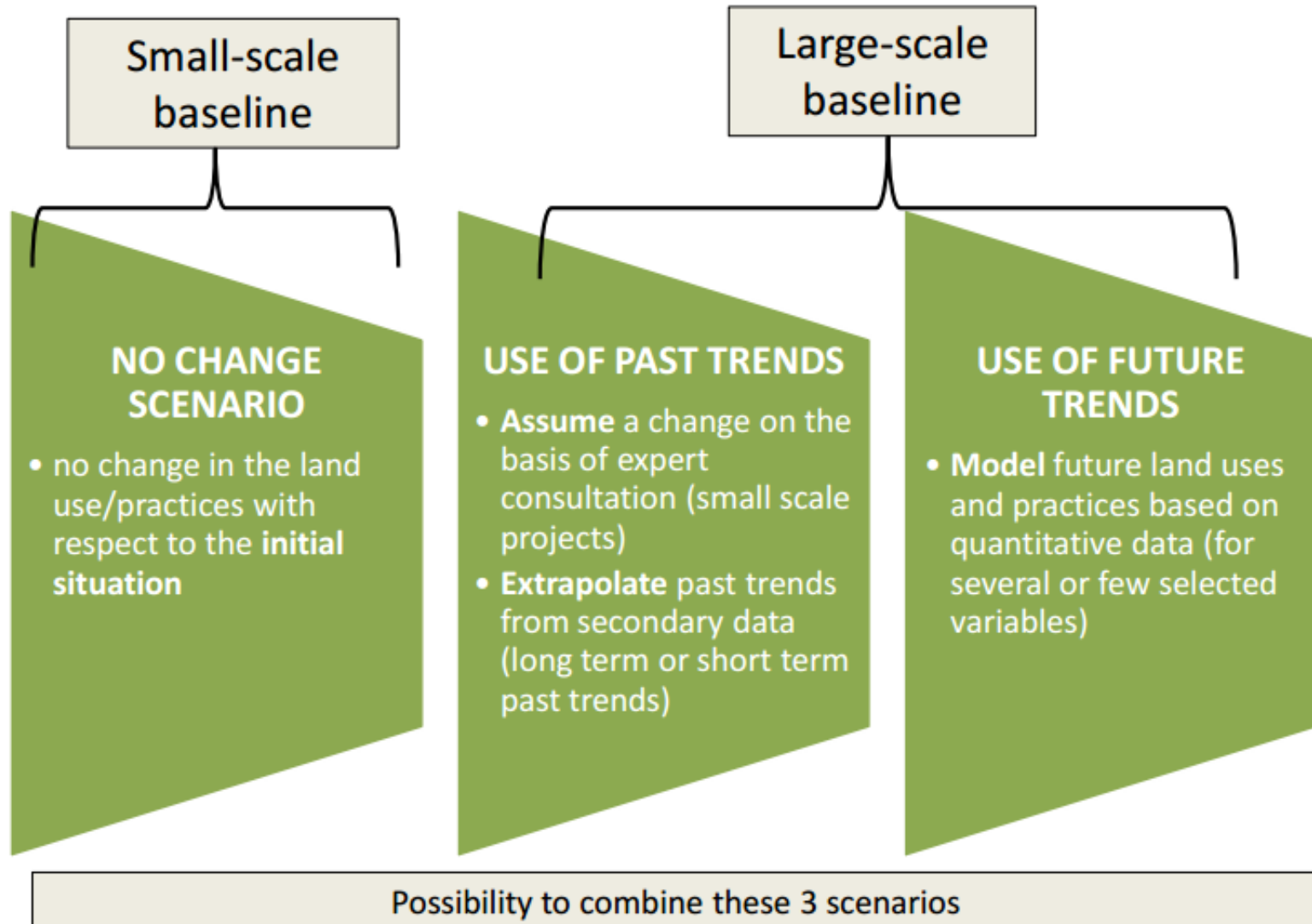


EX-ACT thereby proposes three main methods to develop a baseline scenario:

- No-change scenario (Status quo)
- Use of past trends
- Use of future trends



Three methods for developing the baseline scenario



Choosing the most adequate baseline approach



Choice depends on scale of the project intervention, data availability & time frame of the analysis

No-change scenario:

- For small-scale projects, simple appraisals & markedly static situations

Past trends:

- Common choice for LUC dynamics
- Preferred choice for informing typical adoption rates by farmers under project interventions

Future trends:

- Preferred choice for LUC dynamics



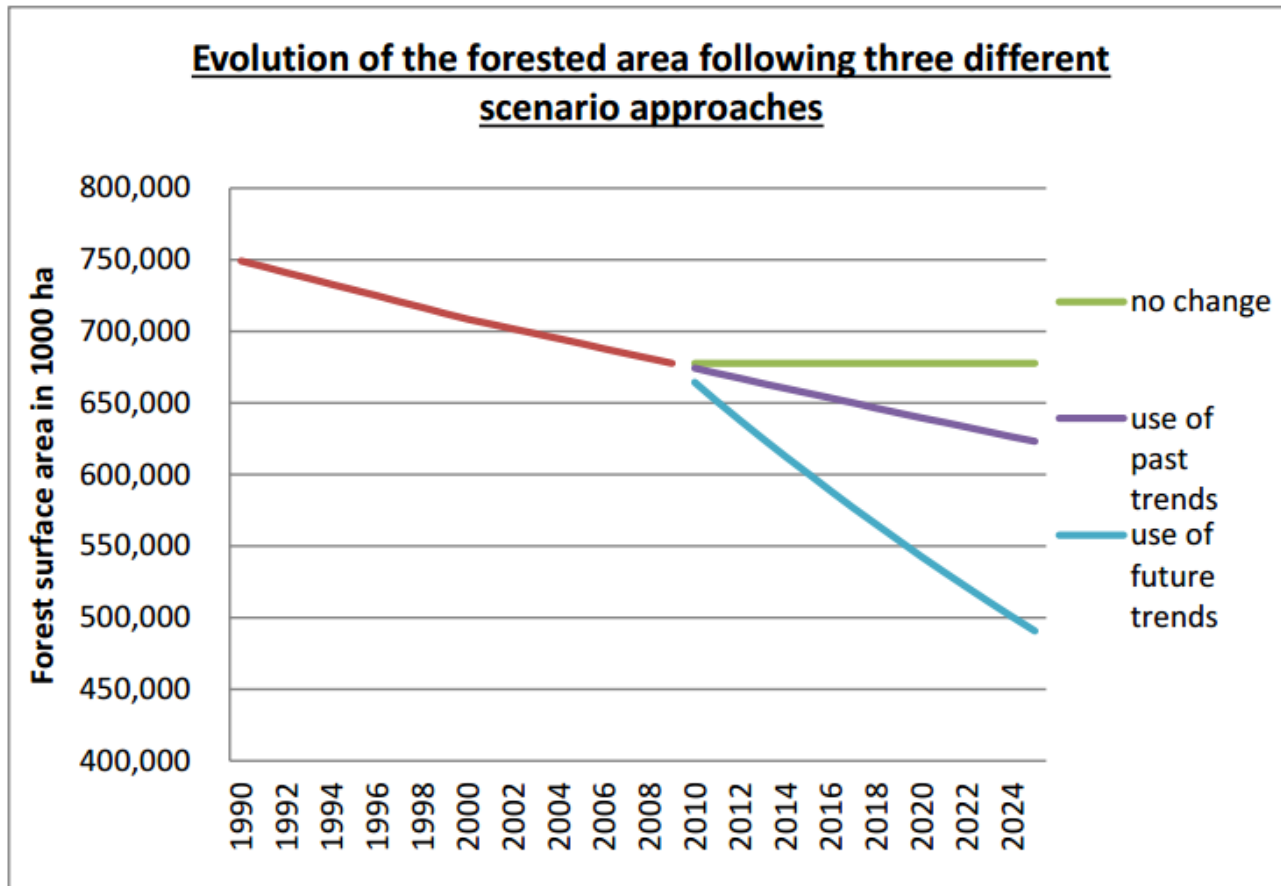
Priority area of concern: Land Use Change Scenarios



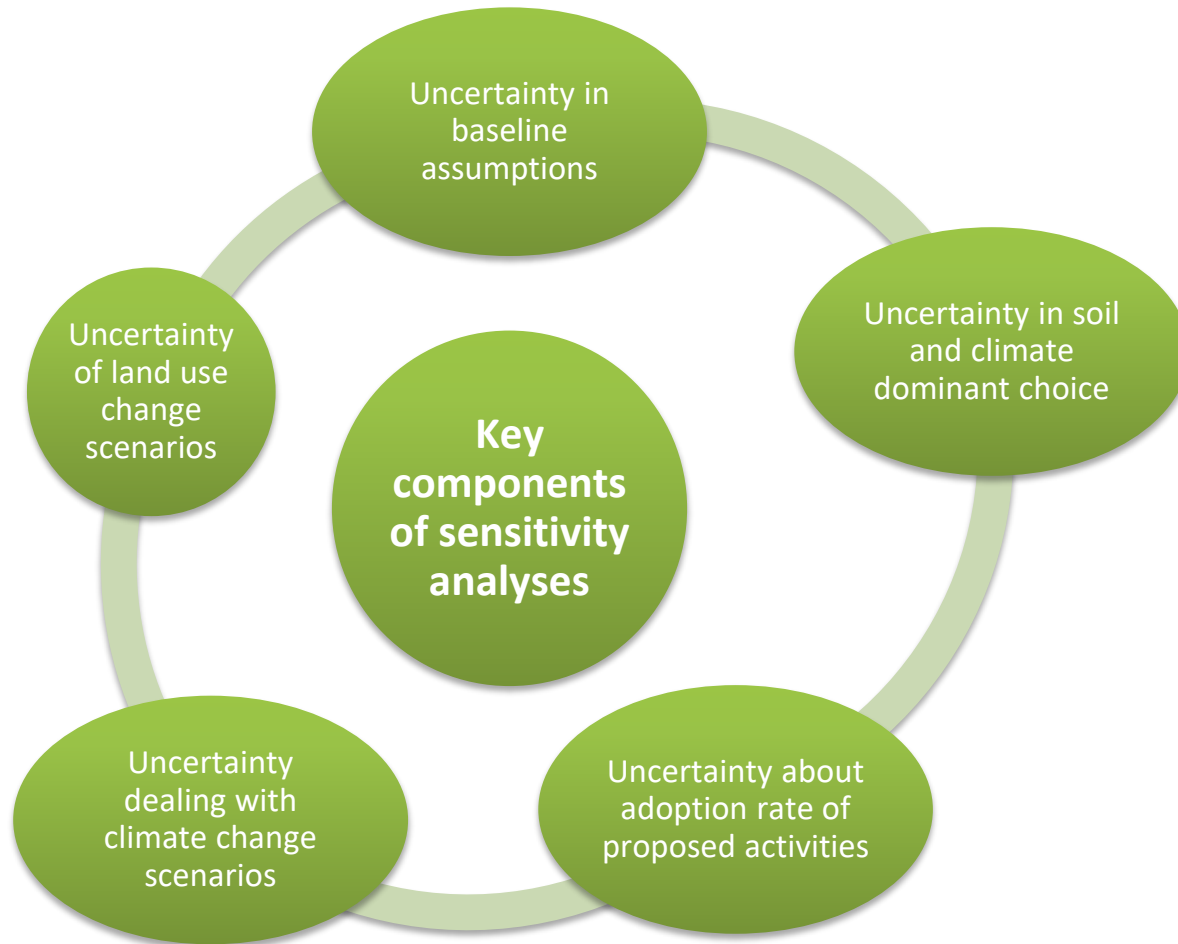
- Baseline scenarios are necessarily subject to uncertainty
- Transparency of assumptions and methods important
- Sensitivity analysis concerning key assumptions and development of alternative scenarios is a good practice



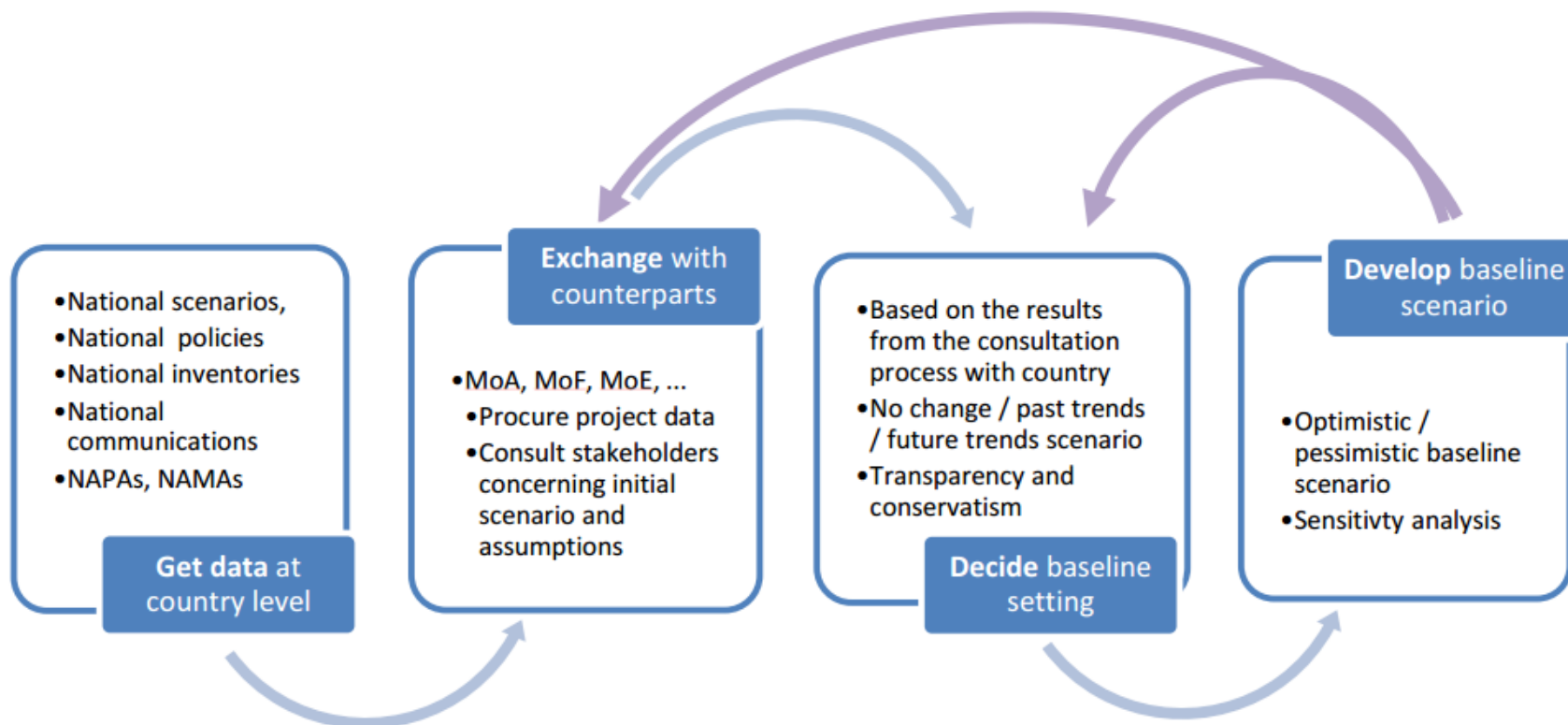
Sensitivity of the baseline scenario to different methods: Example of land use change



Development of several baselines: Sensitivity analysis



Process guidance for baseline development





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THANK YOU !