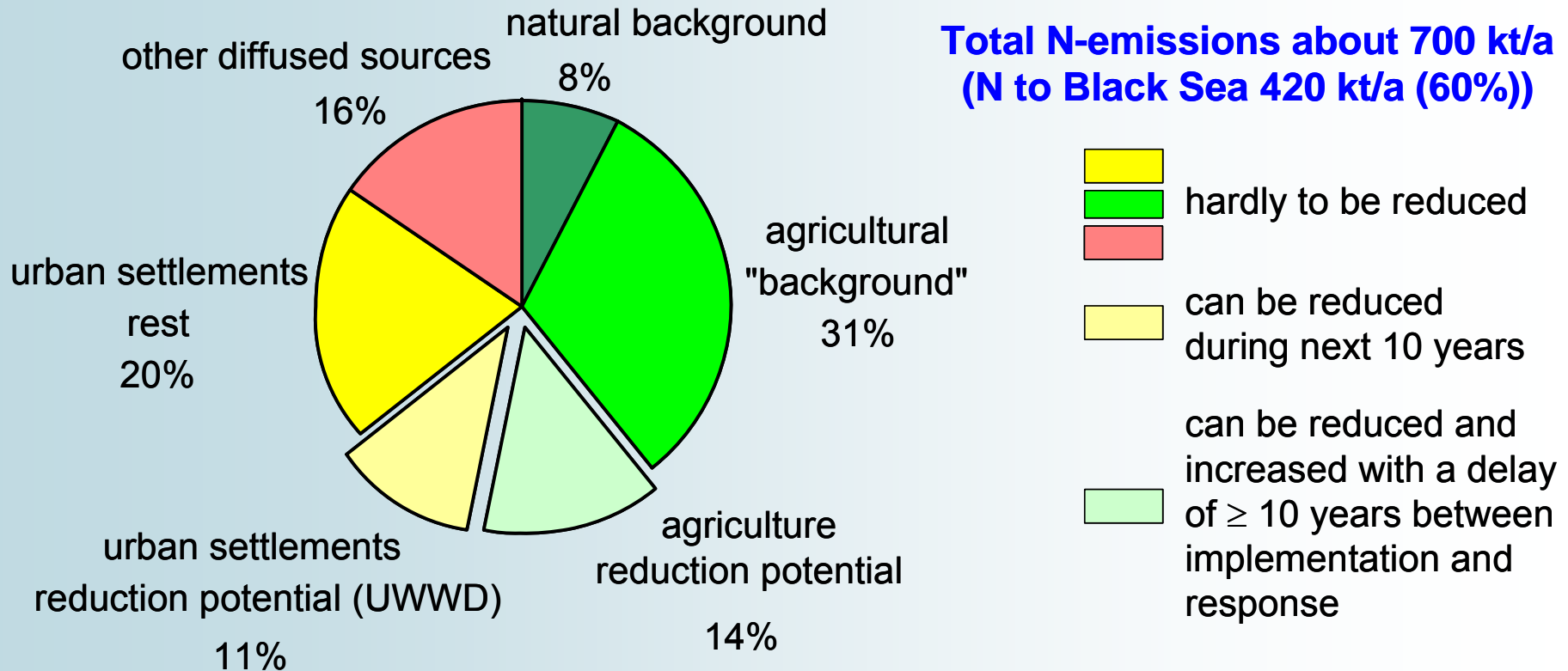




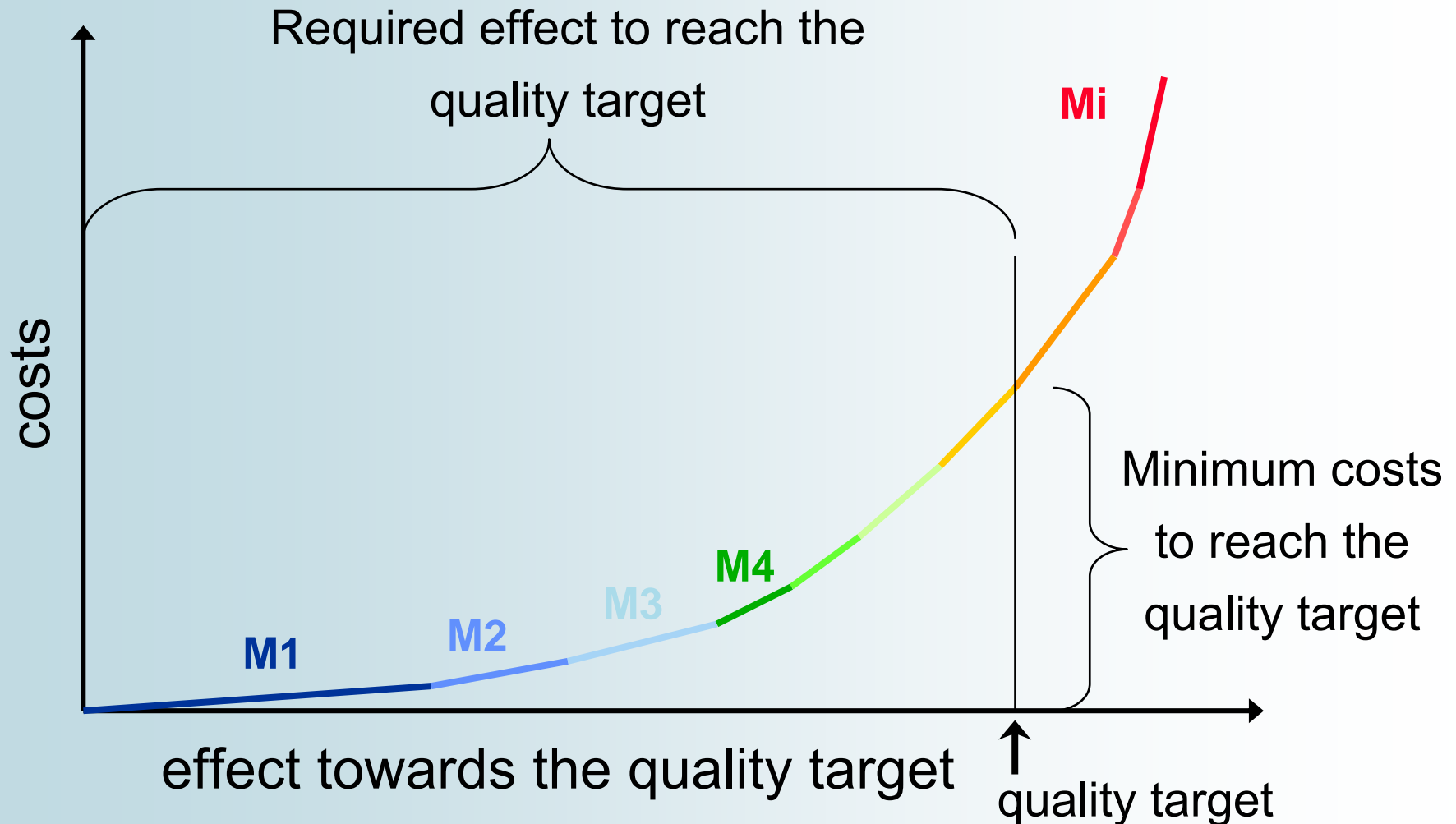
Limits of cost-efficiency based nutrient management for river basins

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Reduction potential for different sources of nitrogen emissions in the Danube Basin



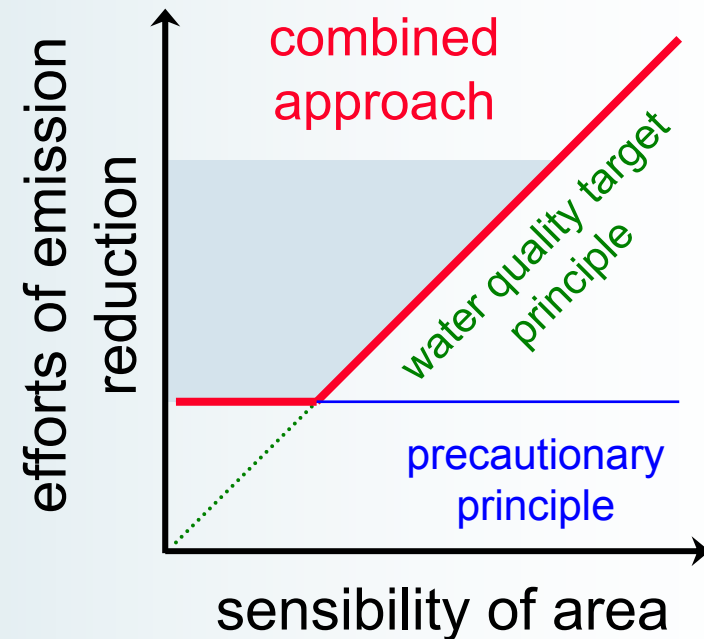
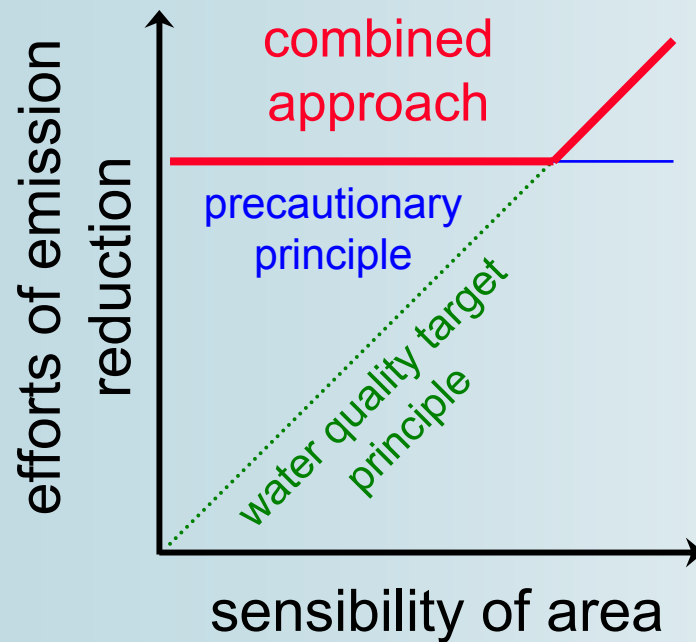
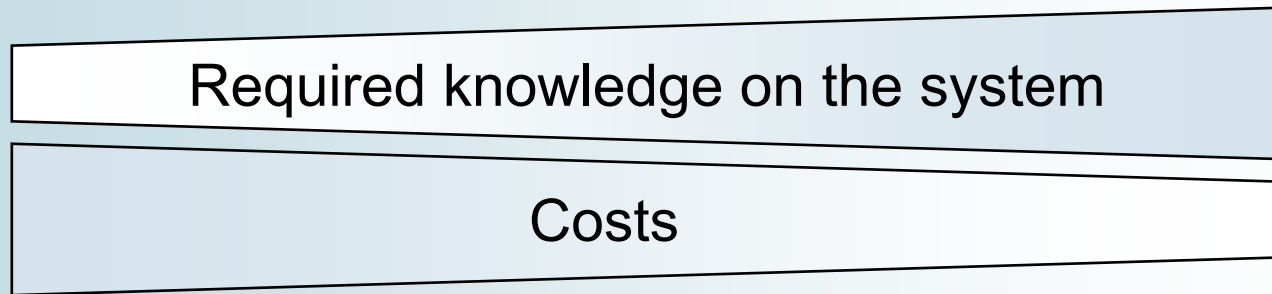
Evaluation of measures based on cost-efficiency criteria



Nutrient management on river basin scale based on this strategy only will fail:

- ⇒ Σ Emissions \neq in stream loads, retention and losses have to be considered
- ⇒ Different water quality targets and effects on other environmental compartments have to be considered
- ⇒ Effects are not comparable
- ⇒ Mathematical models are needed, their potential is limited!
- ⇒ Costs are often not comparable.

Combined approach





The most effective measures are that ones that are realised

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