



Sveriges lantbruksuniversitet  
Swedish University of Agricultural Sciences

# ***ECOCOA*** **Ecological compensation in coastal areas**

Project funded by the Swedish Environmental Protection Agency  
2018-2020

- Institutes:
  - Marine research (Lysekil)
  - Freshwater research (Drottningholm)
  - Coastal research (Öregrund)
- Monitoring, assessment, management advice
- Research on aquatic resources and environment



# WHY?

- Coastal areas provide a wide range of ecosystem services but are increasingly at risk due to human activities.
- ECOCOA aims to advance the use of management tools to alleviate losses to biodiversity and ecosystem services

# Enhance guidance to support biodiversity and ecosystem services

- Land claim, marinas, dredging and many other human activities contribute to our economies but entail losses to biodiversity and ecosystem services.
- Environmental management practice is often limited when it comes to quantifying such losses, and how they should be compensated for.
- A particular challenge is estimating the combined, total impacts of many small-scale activities on the ecosystem.



Photo. Ulf Bergström

# Environmental compensation

- A management tool to achieve no net loss of biodiversity and ecosystem services under economic developments.
- “Polluter pays principle”
- Compensation measures are, for example, habitat restoration, recreation of lost habitat, or protective measures.
- The values lost (to be compensated for) are to be estimated from an ecosystem based perspective



# Aspects included

- Review and evaluate existing experiences of ecological compensation in Swedish coastal areas
- Compare with examples from other habitat types nationally and internationally
- Evaluation focuses on:
  - what aspects are currently included in ecological compensation
  - what options for improvement are available
  - how likely different measures are to achieve compensation objectives
  - cost-efficiency aspects.
- The synthesis and guidance are further developed in qualitative and quantitative cases studies Examples of aspects that will be explored are
  - impacts of the loss of fish spawning areas
  - habitat restoration as a tool in ecological compensation
  - identification of key metrics for valuation.

# Who

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Anthesis Enveco  
EnviroEconomics Sweden  
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THAT IS ALL!



Foto: Ulf Bergström