



# Monitoring biodiversity and the CAP: Advice from scientist to policy makers

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# [ Background projects ]

■ ITAES 

**CAP-IRE**

Assessing the multiple Impacts of the Common Agricultural Policies (CAP) on Rural Economies (Fp7 SSH - 216672)

Spatial Analysis of Rural Development Measures

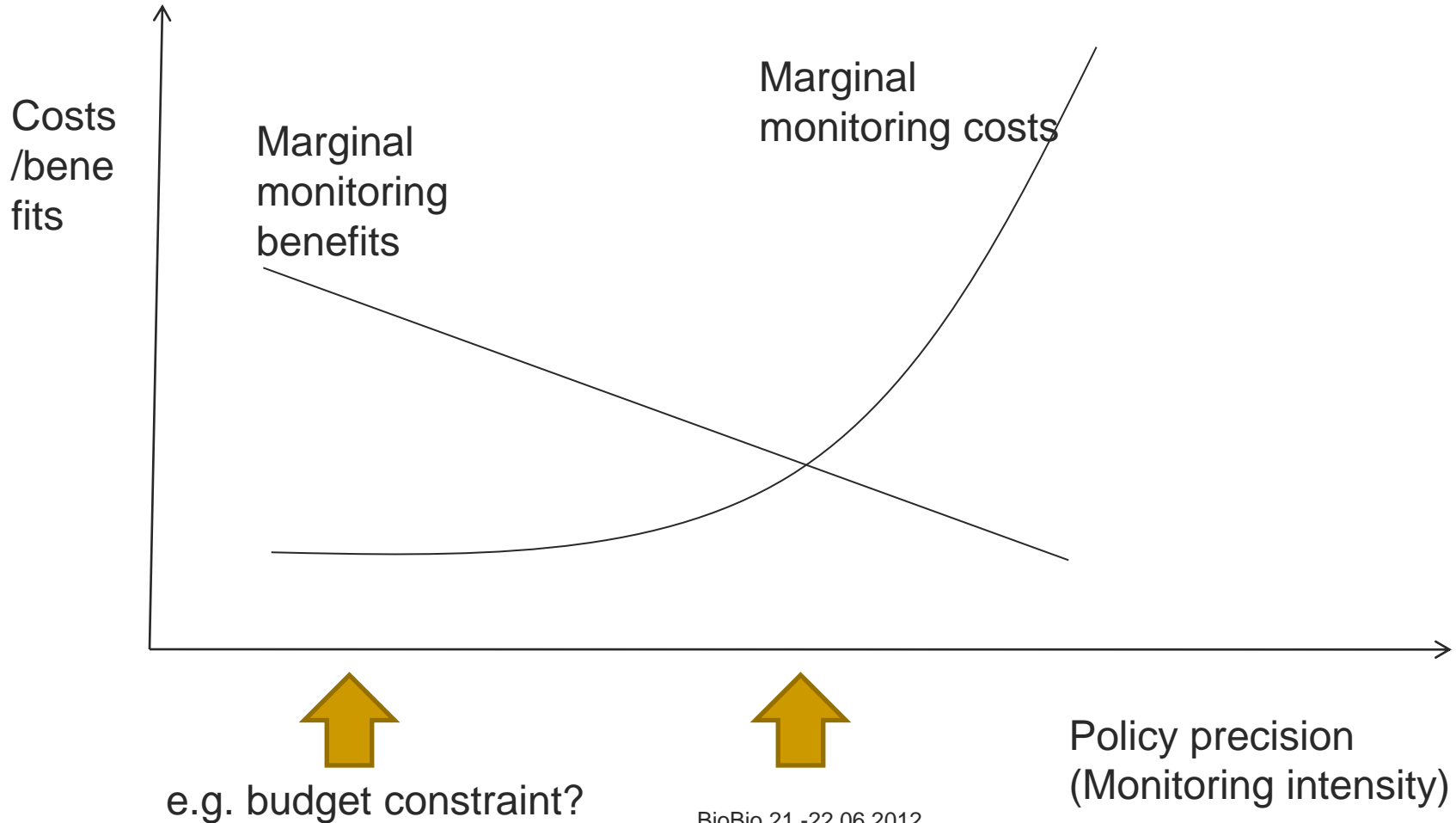
**SPARD** 

**Claim**

Supporting the role of the Common agricultural policy in **LA**ndscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy



# Theory: optimal monitoring



# Example from 2078/92



- Nitrogen balance
  - Vs.
- Analytical observation of nitrates in waters

# Different policy components



- First pillar
  - Basic support (++++)
  - Cross compliance
  - (Greening)
- Second pillar
  - Agri-environmental measures (CMEF->birds,HNV, tree species->reversing biodiversity decline-birds)
  - Chain/regional valorisation...
  - Others

# Uses of monitoring info



- General legitimation/strategic
- Programming-oriented
- Policy Impact
- Individual compliance/performance

# [ General legitimation/strategic



- Ideal message
  - There is a need to increase biodiversity
  - The CAP is good for biodiversity
  
- Generalisations needed
  
- Usability depends on alternative sources of information (if any)

# Programming-oriented



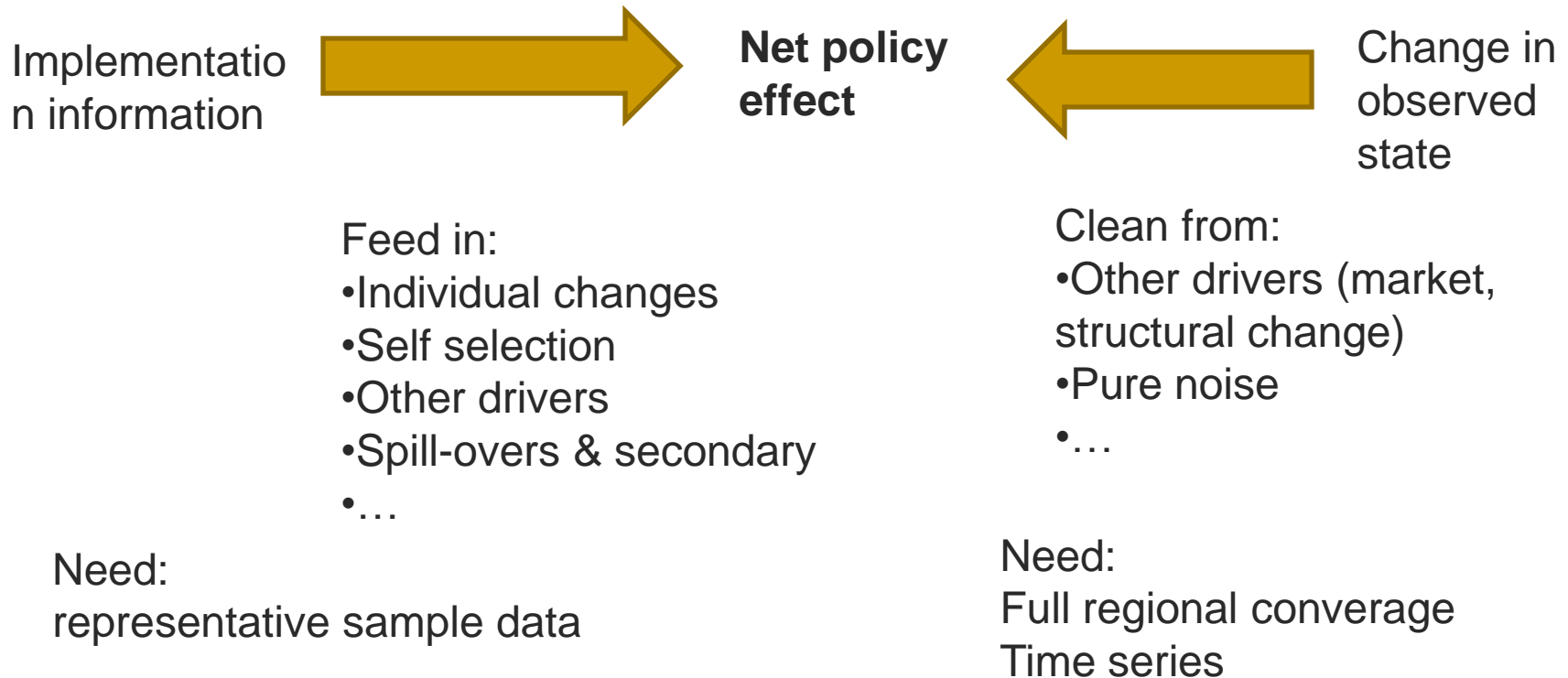
- Targeting/prioritisation
  - Measure selection
  - Measure design
    - (prescriptions)
  - Connection with other parameters:
    - Profit
    - Management info
- Larger samples (?)
- Higher detail needed:  
• Locally relevant indicators  
• Bilateral correlations



# [ Policy impact



## Alternative strategies:



# [ Individual compliance /performance



- Simple but very robust parameters
- Clearly attached to prescriptions
- Objective
- Possibility of self recording
- ...depends on local measure design



# [Some policy/politically relevant issues....

- Cannot skip comparability...
- Relationship with income: negative = legitimization of public payments
- Farm vs. landscape biodiversity → legitimates different beneficiaires
- Talk language of money.... Costs and budget...what about benefits?
- ...

# Further applicability issues



- Suitability in an innovation perspective?
  - (new species)
- Biodiversity as a proxy of other features?
- Explore synergies with other reasons for monitoring (e.g. nitrates, FBI)
- Contribution to market value of agricultural production (and role of policies)



Thank you

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