Linking Climate Change Mitigation and Bioeconomy in the post-2020 CAP Strategic Plan

- An Example from Denmark
Current Agricultural policy and the new Proposal

Current Agricultural Policy Set-Up

- Pillar I
  - Market Support
  - Coupled Payments
- Pillar II
  - European Agricultural Fund for Rural Development
  - Voluntary Agri-Environment measures

EU Commission Proposal for the new CAP

- CAP Strategic Plans
  - Market Support
    - Coupled Payments
    - Eco-Schemes
    - Basic Income Support System with Capping
    - Voluntary Agri-Environment measures
  - Young Farmers
  - Risk Management Tools
  - LEADER

- Cross-Compliance
- New Conditionality

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Post-2020 CAP Strategic Plans

**SWOT Analysis**

- **Strengths**
  - Sustainable development & natural resource management
  - Biodiversity, ecosystem services, habitats & landscapes
  - Farmers' position in the value chain

- **Weaknesses**
  - Employment, growth, inclusion & local development - bio-economy & forestry
  - Young farmers & business development

- **Opportunities**
  - Climate change & sustainable energy
  - Market orientation & competitiveness

- **Threats**
  - Improve the response of EU agriculture to societal demands

**Needs Assessment**

**MS’ National Strategic Plans**

Expected deadline to the EU-Commission January 1, 2021

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Opportunities for Climate Change Mitigation and Bioeconomy in the New CAP

CAP Strategic Plans
- LEADER
- Young Farmers
- Risk Management Tools
- Voluntary Agri-Environment measures

New Conditionality

- Market Support
- Coupled Payments
- Eco-Schemes
- Basic Income Support System with Capping

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Rules on Conditionality

- The new conditionality = a set of standards to be implemented in national demands
- SMR: Statutory Management Requirement - 16 requirements
- GAEC: Standards for good agricultural and environmental condition of land – 10 standards
- Main focus area = Climate

GAEC 1: Maintenance of permanent grassland based on a ratio of permanent grassland in relation to agricultural area.

GAEC 2: Appropriate protection of wetland and peatland.

GAEC 3: Ban on burning arable stubble, except for plant health reasons.

+ almost all other GAEC as well as a number of SMR
Climate Change Mitigation and Bioeconomy in the Danish CAP Strategic Plan

- Building on top of baseline - rules of conditionality and national law

- Based on the results of SWOT and assessment of needs

- Interacting with the ambitious Danish climate objective of a 70% reduction of GHG emissions in 2030 compared to 1990 levels, and the goal of a climate neutral Denmark in 2050 latest

- Voluntary Agri-Environment Measures and Eco-Schemes
Measures for Climate Change Mitigation on Agricultural Land

Halting carbon burn-off through extensivation and rewetting of peatlands

Risk of phosphorus leakage
Often drain effect for nutrient-heavy adjacent areas

Removal of biomass = removal of nutrients (nitrogen and phosphorus)

Potential for enhancing biomass build-up and carbon sequestration

Supporting climate change mitigation and bioeconomy

Enhancing carbon sequestration though afforestation
Biomass from Rewetted Peatlands

- For an nutrient effect and to support peatland projects, the biomass must be removed
- Wetland harvesting requires special machinery
- Estimates of effect on nutrient are not yet certain – more studies are needed
- Preliminary studies point towards an effect in the range of 80 kg N/ha samt 11 kg P/ha.
Grass and Eco-Schemes

- Eco-schemes focusing on grass
  - Permanent grass areas
  - Protein grass
  - Machinery for wet harvest

- Biomass harvested from natural areas for preserving open landscapes/habitats
From Biomass to Bioeconomy

- Uses of biomass are many: Bio-refining, fodder, green fertilizer and energy production
- Revised Directive on Sustainable Energy opens up for use of biomass from natural areas in energy production
- Proposal for new CAP opens up for support for use of a broader range of biomass
- Requires logistic framework for effective usage
- For an intervention targeting climate mitigation it is imperative that the effect can be measured for national GHG inventories
Thank You

In case of questions you are welcome to contact me at kawoch@lbst.dk