Norway’s informal data submission on LULUCF to AWG-KP
Outline

- Land use areas
- Emission and removals from activities under 3.3 and 3.4:
  - Historical
  - Projections
- Land based approach
- Harvested wood products
- Natural disturbance – forest fires
- Effect of different accounting rules for Norway
The Norwegian land area in 2007

- Forest land: 29.0%
- Cropland: 3.1%
- Grassland: 0.4%
- Wetlands: 6.5%
- Settlements: 2.1%
- Other lands: 59.0%

Forest land increased by 4.6% from 1990 to 2007
Emissions and removals of GHGs from the LULUCF and non-LULUCF. 1990-2007
Annual increment (green) and annual forest harvest (brown) - 1990-2006
Emission and removals from LULUCF. 1990 to 2007
Two scenarios:

**Scenario 1:**
Continuation of present logging rate
(~ 10 million m3)

**Scenario 2:**
Increased logging rate in order to fulfil the governments goal for increased use of bioenergy
(~ 15 million m3)
Emission and removals from forest management. Historic and projections
Afforestation and reforestation:

• Mainly conversion of grassland to forest land
• Mainly caused by reduced grazing practice
• Removal post 1990 minor due to long rotation period:
  ~ 0.4 million ton in 1. CP
  ~ 0.6 million ton in 2020

Deforestation:

• Mainly conversion of forest land to infrastructure, settlements and grassland
• Emission from gross deforestation:
  ~ 0.6 million ton in 1. CP and in 2020
Emission and removals from harvested wood products. 1990-2007

1000 tonnes CO2

Stock change approach for HWP of domestic origin (SCAD)

Production approach (PA)
CO₂ emissions from forest fires in Norway. 1990-2007
Emission and removals from forest management. Historic and projections

![Graph showing emission and removals from forest management over time.](image)

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### Effect of different accounting rules for Norway.

**50% increased harvest rate in 2020. Per cent.**

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