

# Suggested WGE contributions to the CLRTAP Scientific Assessment Report 2016

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Taking stock of:

- the Long Term Strategy of the LRTAP Convention
- the Saltsjöbaden V Workshop 24-26 June 2013
- EMEP progress

# Following informal document nr. 1 bis

1. What has been achieved in terms of reduction in health and ecosystem effects
2. What is the scope for further improvements in air quality and deposition of nutrients, acidifying compounds, HMs and POPs
3. What is the scope for further co-benefits with climate change mitigation

# 1. What has been achieved ?

- Achieved reduction health/ecosystem effects...:
  - WGE impacts report (2012)
  - Benefits of Air pollution control for Biodiversity (2013)
  - Guidance document on health and environmental improvements (2013)
  - Health impacts of air pollution (2014)
  - Risk of air pollutants in the EECCA region (2014)
  - Trends of impacts (*in prep.* 2014-2015)
- ...*addressing main findings*
  - Improvement health risk in WHO-Europe (premature death)
  - Improvement ecosystem risk (area+magnitude)
  - Avoided damage compared to no-mitigation

## 2. What is the scope for further improvements

- Scope for alleviation of health risks (PM, O<sub>3</sub>, [HM,POP])
- Scope for improvements of magnitude and geographical distribution of ecosystem risk (O<sub>3</sub>, N, HM...[POP?])
- When non-exceedance of critical thresholds achieved then ecosystem recovery requires further attention
- Achieving “no net loss of biodiversity” requires further mitigation
- Improvement of food production by further O<sub>3</sub> mitigation
- Scope for identifying Trade offs in impact assessments, between e.g. :
  - International and national sources (e.g. regional vrs. Background deposition)
  - local and regional risks (e.g. human and ecosystem)
  - risk of varying sources (e.g. agricultural practices and combustion sources)
  - Different ecosystems (e.g. N, and O<sub>3</sub> sensitivity in forests and other nature)

# 3. What is the scope for further co-benefits with climate change mitigation

