Use of uncertainty analysis and key category analyses to prioritize inventory improvements

Training seminar on uncertainty evaluation
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Norwegian Environment Agency

Vita RATNIECE

Latvian Environment, Geology and Meteorology Centre
Air and Climate Division

Recommendations by ERT

- **«The ERT encourages Latvia to consider options to progressively reduce the uncertainty of the AD, EFs and other parameters that are used for the key categories»;**

- **«The ERT recommends that Latvia perform further activities to reduce these relatively high uncertainty values for subcategories where the provision of data and associated uncertainties are of a good quality»;**

- **«Elaborate and document information on uncertainty ranges, particularly those based on expert judgement».**

Results achieved

- **Information on the use of the uncertainty analysis in prioritizing inventory improvements has been provided for the sectors with the most largest uncertainties, such as Energy and LULUCF sectors. The categories with the largest uncertainties have been revised and the uncertainty levels have been reduced as far as possible;**

- **The uncertainty analysis performed by Latvia has improved compared with the previous annual submission (by updating the values used for the calculations). However, there are still several subcategories where comparatively higher values have been used for the AD and EFs in the uncertainty assessment.**

	Uncertainty in total inventory %	Trend uncertainty %
With LULUCF	**55%**	**17%**
Without LULUCF	**11%**	**3%**

- KCA done within CRF Reporter and in Excel sheet (Level assessment/Trend assessment with Uncertainties);

- Categories with highest uncertainties divided in subcategories (LULUCF);

- F-gases research for data aggregation and quality improvement;

- Other researches...

Thank you for your attention!

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