

3. Recent (Mainly 200 years) and current climate change

3a Atmosphere

ii Atmospheric chemistry

Main questions

Which countries and emissions sources contribute to air pollution in the Balti region. Now and in previous 100-200 years. How well can we quantify this?

Emissions

Main sources of emissions to air and changes - shipping, industry, agriculture etc.

Recent changes in regulations - measured impacts on emissions (remote sensing technologies, etc.)

Depositions & Concentrations

Sulphur, Nitrogen, Ozone

Measured trends? (Observations? Sediments?)

Modelled trends

Uncertainties

Comparison of chemical transport model results

Discussion of deposition rates, comparison of estimated depositions.

Climate impacts?

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