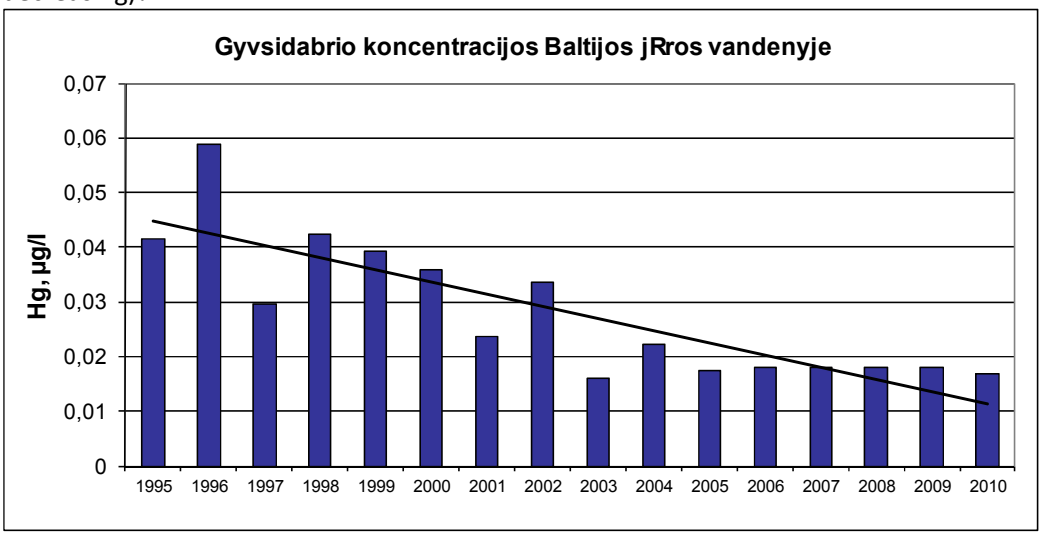
Comments on report
Lithuania, 27th October

1. Confused results: annual total Pb emissions shown in the table 4.1. – LT – 7,0, LV – 7,4; in the table 4.2. – vise versa.
2. Results in the figures on contributions of annual total anthropogenic Pb emissions from HELCOM Parties to total lead deposition over the Baltic Sea in 2009 are doubtful: PL, RU, DE are the main contributors, according to the distribution maps, however, deposition from LT, LV looks much higher (despite the fact that W, SW wind directions dominate in the region!). This same opinion about deposition figures of other pollutants.
3. Fact that most significant contribution to mercury deposition over the Baltic Sea was made by Lithuania is debatable. This conclusion has arisen taking into account data submitted by countries (our specialists have checked Hg data – they are correct and increase of emissions are explained by shift from one kind of fuel to another). Taking into account your results on deposition, deposition along the Lithuanian and Latvian coast should be quite high. How then results of national monitoring can be explained (concentrations of Hg in water are always below limit of quantification (0,03-0,038 µg/l), concentrations in bottom sediments have been decreasing)?



Averaged Hg concentrations in the Baltic Sea water (4 times per year, every season).

4. Figures 7.2-7.9. do not correspond to data in table 7.1. (e.g. only Latvia is indicated on the map with an annual PCDD/F emission from Agriculture sector, information is not available (NA), however, in the table 7.1.). Accordingly other figures should be revised.
5. Remark on what "white labeled countries" in the pictures means is required (no information?)
6. Abbreviation "IE" in the tables 4.1, 5.1 is not clear.
7. Modelling results for cadmium were within an accuracy of about 70% on average in comparison with measurements made around the Baltic Sea in 2009, for mercury - within an accuracy of 10%, for lead - within an accuracy of 50%. How these differences in modeling results could be explained and do you agree that modeling results should be interpreted with care?
8. Abbreviations of countries names (or sectors) (e.g. TR, GB, AF…) should be in every chapter.
9. Please correct names of vicinities in Lithuania in Chapter0_title – Klaipeda-Juodkrante instead of Klajpeda-Joudkrante.