



Croatia

Working paper

TFIAM meeting, Oslo 17-18 May 2011

Projection basis

- Official national projections, 2009

- *Reference: Program for gradually reduction of emission of curtain pollutants in the Republic of Croatia, for the period till the end of 2010, with emission projections for the period 2010 till 2020 (O.g. 152/09)*

- BAU2 scenario – with economy crisis, with higher recovery from year 2011
- With measure scenario (SO₂, NO_x, NMVOC, NH₃, PM_{2,5})
- With additional measures (NO_x, NMVOC, NH₃, PM_{2,5})

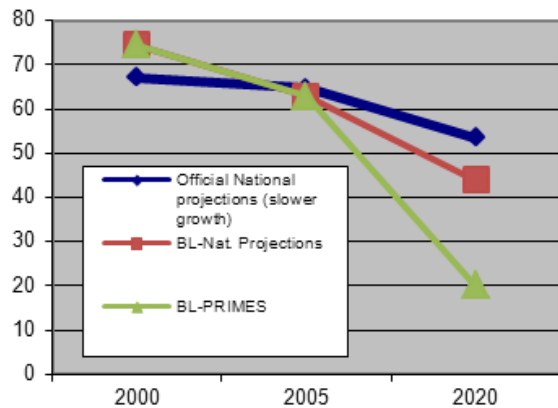
- GAINS projections for target setting, 2011

- *Reference: CIAM/IIASA Report Version 2.1 – March 31, 2011*

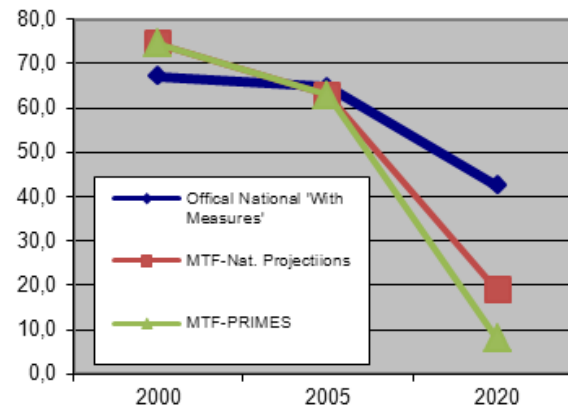
- BL National Projections
- BL Primes
- MTF National Projections
- MTF Primes

SO2 and NOx projections

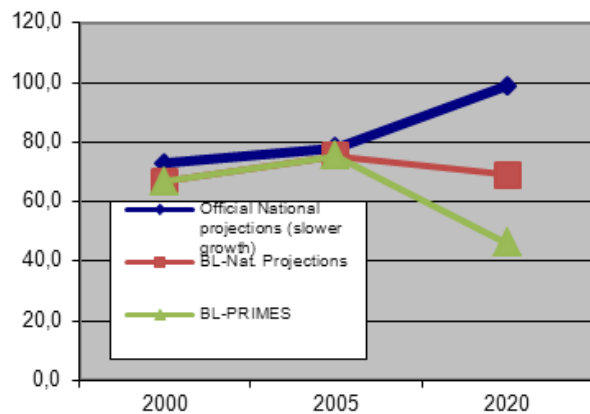
SO2 - BL projection



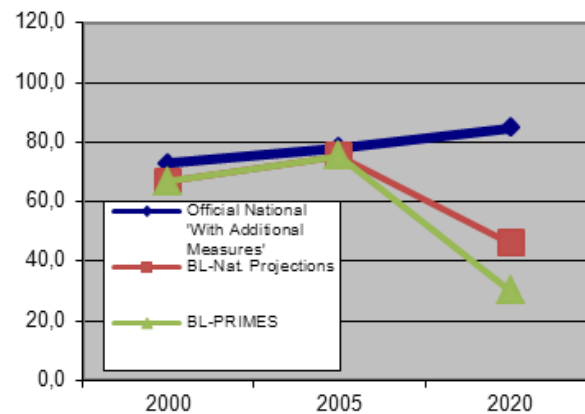
SO2 - MTF projections



NOx - BL projection

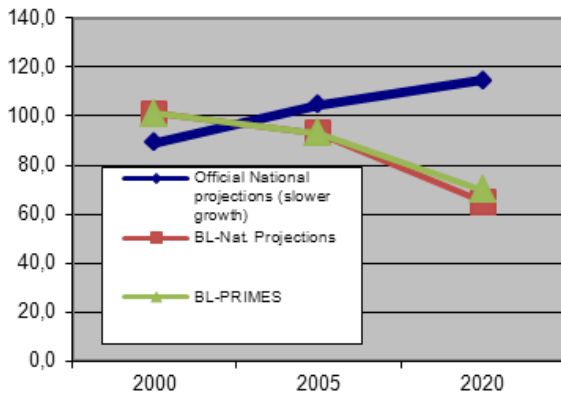


NOx - MTF projections

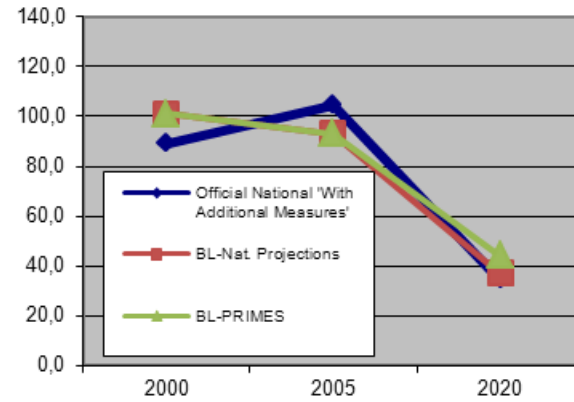


NVOC and NH3

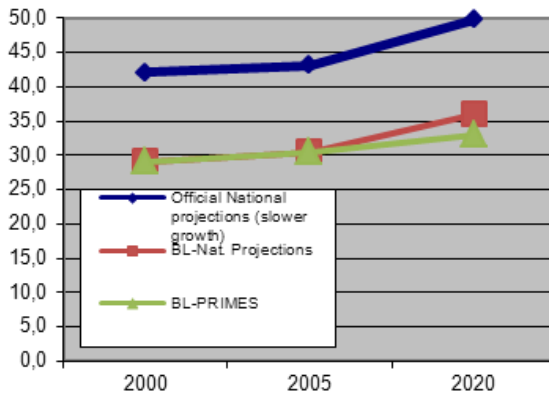
NMVOG - BL projection



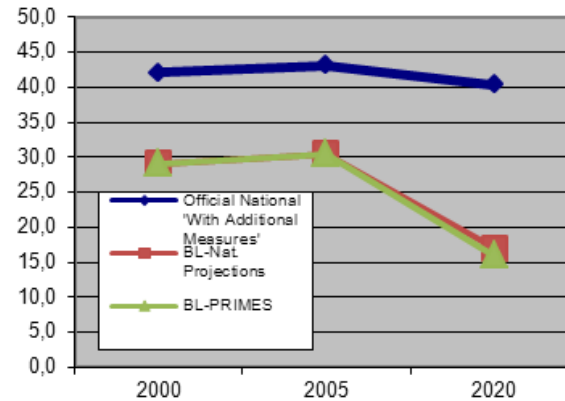
NMVOG - MTF projections



NH3 - BL projection



NH3 - MTF projections



Conclusion

- Great differences between national projections and GAINS ambition target projections in 2020 (for SO₂, NO_x and NH₃)
- Difference in historical inventory (national vs. GAINS)
 - SO₂ and NO_x small
 - NVOC not great difference
 - NH₃ great (reasons have been identified but not resolved)
- Further analysis of attainability is necessary
- PM_{2,5} to be included in analysis