REVISION OF THE GOTHENBURG PROTOCOL The Czech Republic

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Energy consumption: PRIMES vs GP

- PRIMES 2009 minus GP (in PJ for 2020)
- En_tot: Diff. of Sum: 260
 - PRIMES higher
 - HC+DC: 93, HF 52 (NONEN), MD 71, GSL 47, NUC: 42, ELE 55 (more exported)
 - GP (nat.) higher
 - o BC: -43 (PP: -45, DOM: -7, IN_BO: 9)
 - o OS1(BM)+OS2 (waste f.): -15, GAS -47, REN+HYDRO: -4



Energy consumption: PRIMES vs GP

- En ind: Diff. of Sum: 15
 - PRIMES higher
 - o ELE: 53, HEAT 46
 - GP (nat.) higher o HC+DC: -38, OS1(BM)+OS2 (waste f.): -15, GAS -56
- En dom: Diff. of Sum: 58
 - PRIMES higher: OS1, GAS, ELE
 - GP higher: BC: -7, HT: 18 (district heating)



Energy consumption: PRIMES vs GP

- En_mob:
 - o TRA_RD: 35 (LD4: 28, HD: -2), TRA_OT: -6
 - PRIMES higher: MD (TRA_RD: 65)
 - o GP higher by TRA_RD: GSL: -6, LPG: -11, GAS: -14
- Gveh_km: LD4: 2, HD: -0.6
- Veh_no (thousand): LD4: 1 400, HD: -62
- En_ren (PJ): Sum: -18
 - IN_BO (heat production): 1.6, IN_OCTOT: -9, DOM: 20, PP: -31



National emissions

- Updated czech national data in the GAINS (4-11)
- Agreement on Annex IX of the GP (Czech statement until 31.5.) possible NH3 reductions if MS commit to fulfil
- 6-11: approval of the new Czech energy strategy possible risk of even higher emis.
 - The Ministry of Industry (Mol) supports a higher use of HC, BC and wants to increase coal mining area, which is currently limited according to the Czech legislation
 - **Mol**: Studies showing a high danger for heating plants and heating systems if there is no mining area increase
 - High cost for the shift to gas
 - Not enough biomass (fire wood) to replace coal
 - To comply with the new IED will be already a big challenge



National emissions

EMISSIONS 2020 (kt)	PRIMES 2009 (BASELINE)	UPDATED NAT. VALUES	MID	LOW*
SO2	106	103	100	106
NOx	151	142	137	141
VOC	148	140	137	137
NH3	68	76*	59	61?
PM25	25	28	23	24

Green – acceptable, red – not acceptable, * updated animal nr. (MoA)

Conclusion

- MoE currently accept values of the PRIMES BL 2009
- In June Mol submits a new Czech energy strategy on fuel use
- According to the strategy the CR will inform IIASA which emission ceilings are acceptable



Thank you...



