

SPANISH ANALYSIS OF ATTAINABILITY OF AMBITION TARGETS

TFIAM 40th Session , Oslo 18-20 May 2011

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1. INTRODUCTION

GOAL OF THE PRESENTATION:

Comparison between national emission projections vs. GAINS projections (BL, low, low*, mid, high, high* and MTR)

2. National vs GAINS projections for Spain

Spanish projections vs. GAINS projections:

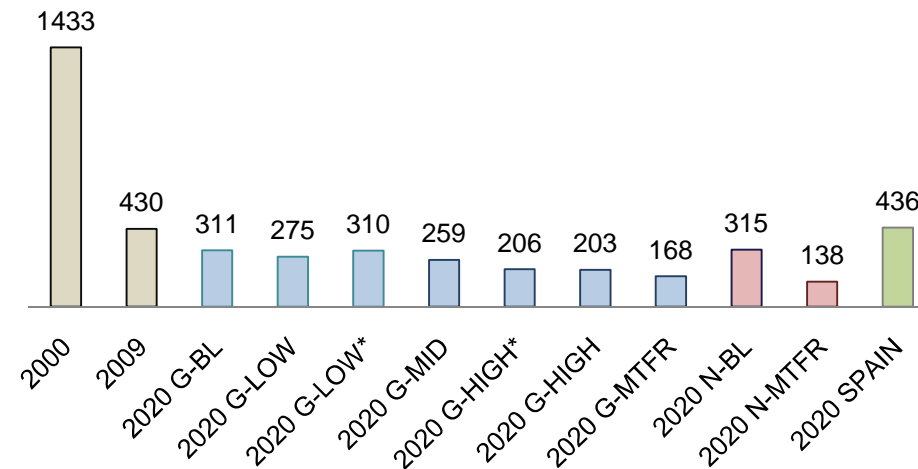
SCENARIO	SO ₂ (kt)	NO _x (kt)	PM _{2,5} (kt)	NH ₃ (kt)	NMVOC (kt)
2000	1433	1416	142	372	1042
2009	430	1056	77	357	696
2020 GOTH_BL	311	695	90	364	646
2020 GOTH_LOW	275	644	76	328	619
2020 GOTH_LOW*	310	642	76	281	619
2020 GOTH_MID	259	610	76	268	600
2020 GOTH_HIGH*	206	606	71	244	600
2020 GOTH_HIGH	203	559	71	254	589
2020 GOTH_MTFR	168	553	54	208	468
2020 NAT_BL	315	708	82	352	608
2020 NAT_MTFR	138	545	51	200	436
2020 SPAIN	436	848	83	321	663

- Grey: Inventory data 2000 and 2009
- Blue: GAINS based on PRIMES
- Red: GAINS based on national scenario
- Green: Spanish emission projections (based on Spanish specific methodology)

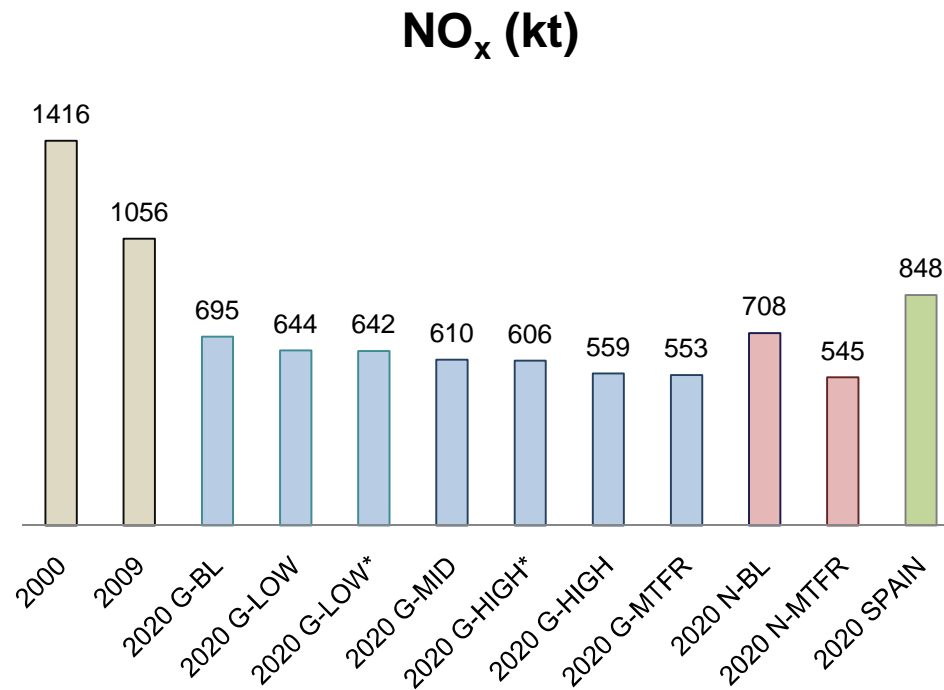
SO₂

Spanish projections above GAINS projections for all scenarios

SO₂ (kt)



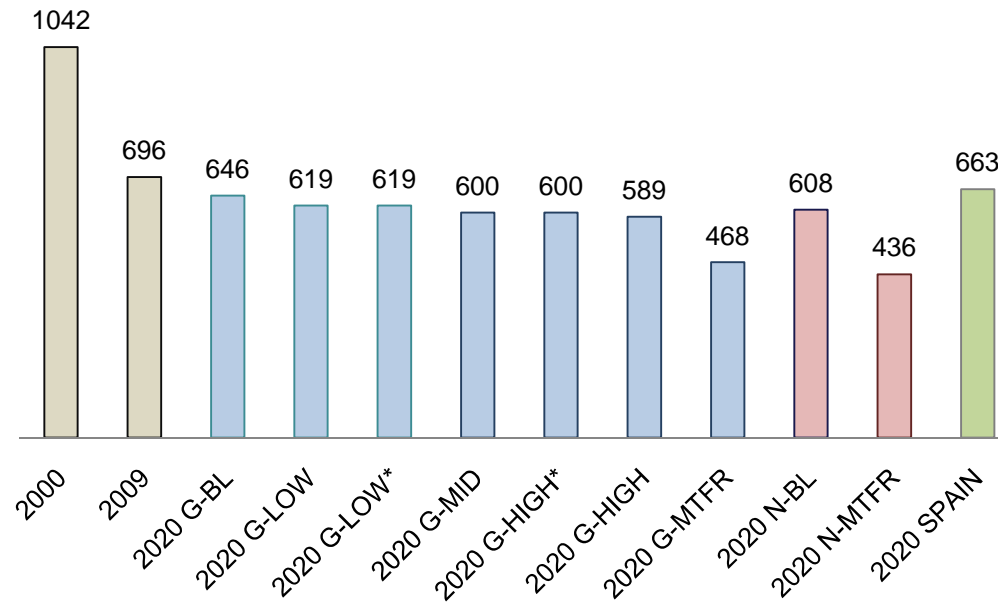
Spanish projections above GAINS projections for all scenarios



NMVOC

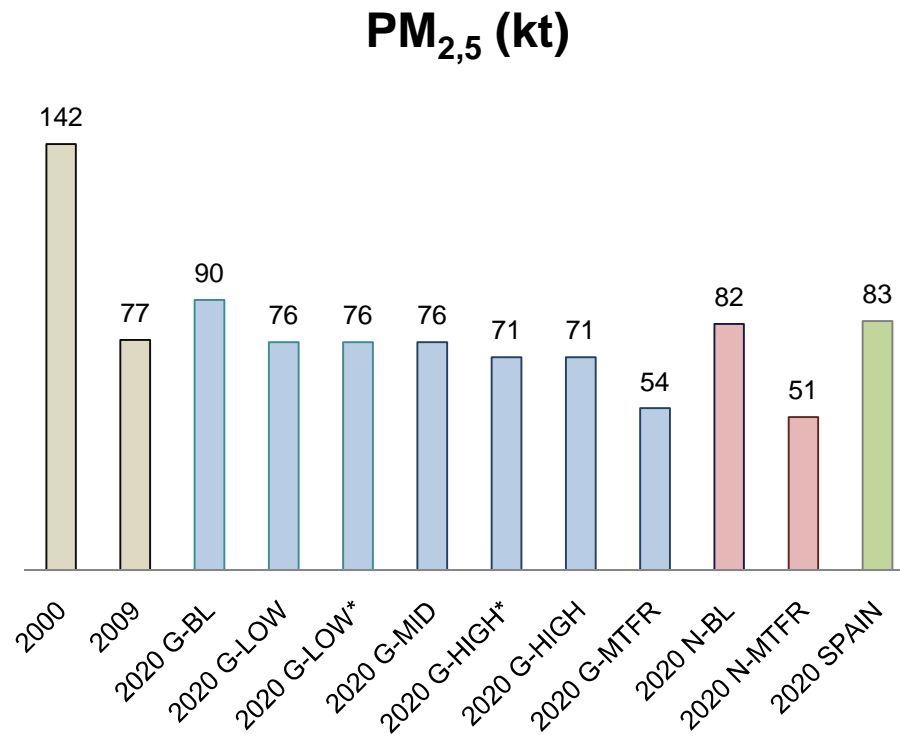
Spanish projections above GAINS projections for all scenarios (slightly higher than BL)

NMVOC (kt)



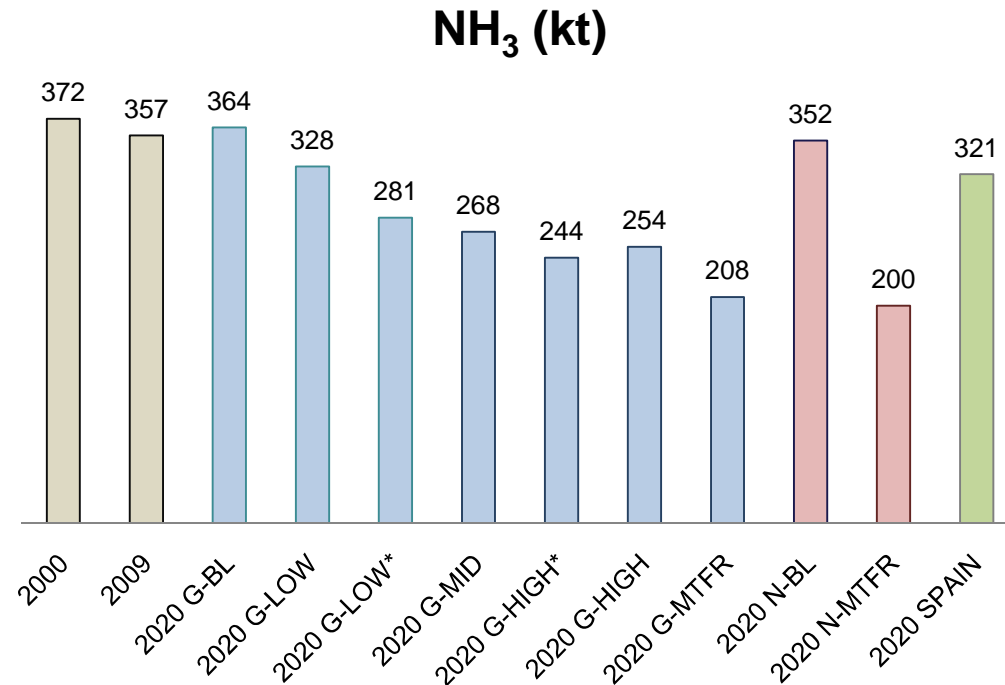
PM_{2.5}

Spanish projections above all GAINS scenarios (except BL)



NH₃

Spanish projections are above GAINS projections (except BL and LOW)



3. KEY MESSAGES

KEY MESSAGES:

- GAINS projections are in most cases below Spanish estimates.**
- Some methodological differences have been detected.**
- Exchange of information with IIASA in order to achieve a more precise approach.**

Thanks for your attention!