

Annex for the purpose of country consultation

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1 Exposure to household air pollution

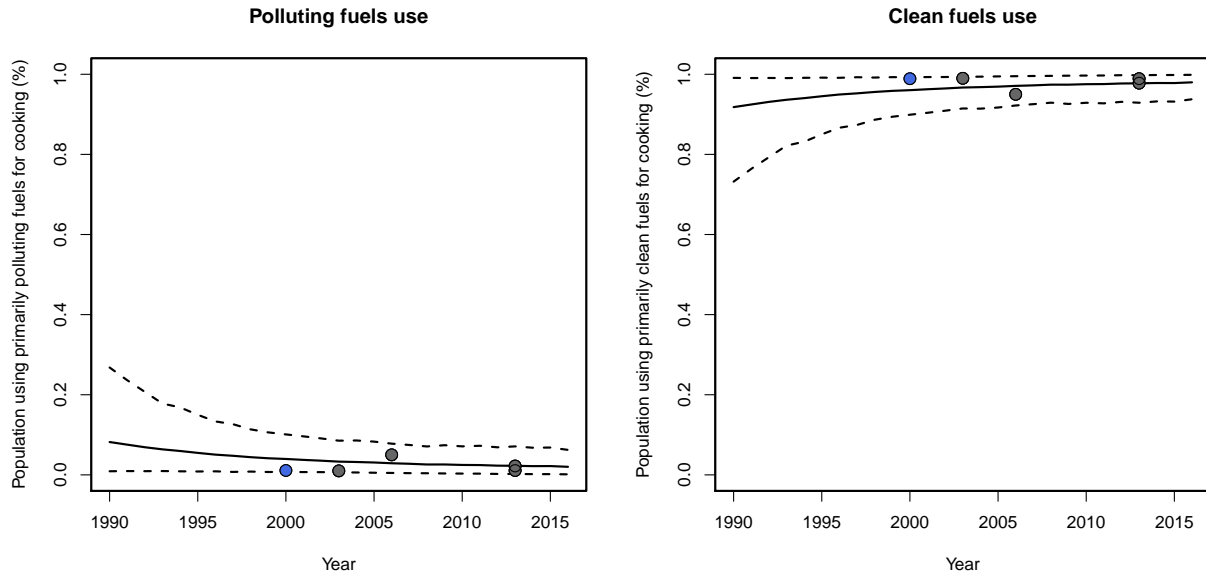
Table 1: Country extract of the household surveys from WHO Household energy database.

Country	Year	Reference
Uruguay	2000	Encuesta Continua de Hogares
Uruguay	2003	World Health Survey
Uruguay	2006	Instituto Nacional de Estadística Uruguay, Encuesta Nacional de Hogares Ampliada 2006, Flash Temático 7.
Uruguay	2013	Encuesta Continua de Hogares
Uruguay	2013	Multiple Indicator Cluster Survey (MICS), UNICEF

Table 2: Modelled results for polluting and clean fuel use for cooking, 2016

Indicator	Year	Value (%)
Proportion of household relying on polluting fuels for cooking	2016	2
Proportion of household relying on clean fuels for cooking (SDG 7.1.2)	2016	98

Figure 1: Trends of modelled population using primarily polluting and clean fuels for cooking: model results (mean values: black line; 95% prediction interval: dotted lines) compared to actual survey data (dots), 1990 - 2016. The survey data included in the model are displayed in grey; the surveys that are in blue dots are excluded from the model either because there is no fuel breakdown or because there is more than 15% incompleteness (e.g. either no cooking, other fuels, or missing)



2 Exposure to ambient air pollution

Table 3: Country extract of WHO Ambient air quality database.

City/Locality	Year	Number and type of stations	PM10	PM10 Note	PM2.5	PM2.5 Note	Reference for air quality
Montevideo	2014	6 stations, unspecified	26	Measured	8	Measured	Informe de Calidad de Aire, Año 2014, Informe Annual. Intendencia de Montevideo.

Table 4: Modelled results for ambient air pollution exposure from particulate matter with diameter equal or less than 2.5 micrometers PM2.5, in ug/m3.

Indicator	Year	Value (ug/m3)
Annual median exposure to ambient PM25, urban and rural population	2016	8.7
Annual median exposure to ambient PM25, urban population (SDG 11.6.2)	2016	8.8

Figure 2: Distribution of grid cells modelled concentrations (blue bars) and ground measurements (black cross) by level of particulate matter equal or less than $2.5 \mu\text{m}$, in $\mu\text{g}/\text{m}^3$ (left), and distribution of country population (blue bars) by level of particulate matter equal or less than $2.5 \mu\text{m}$, in $\mu\text{g}/\text{m}^3$ (right).

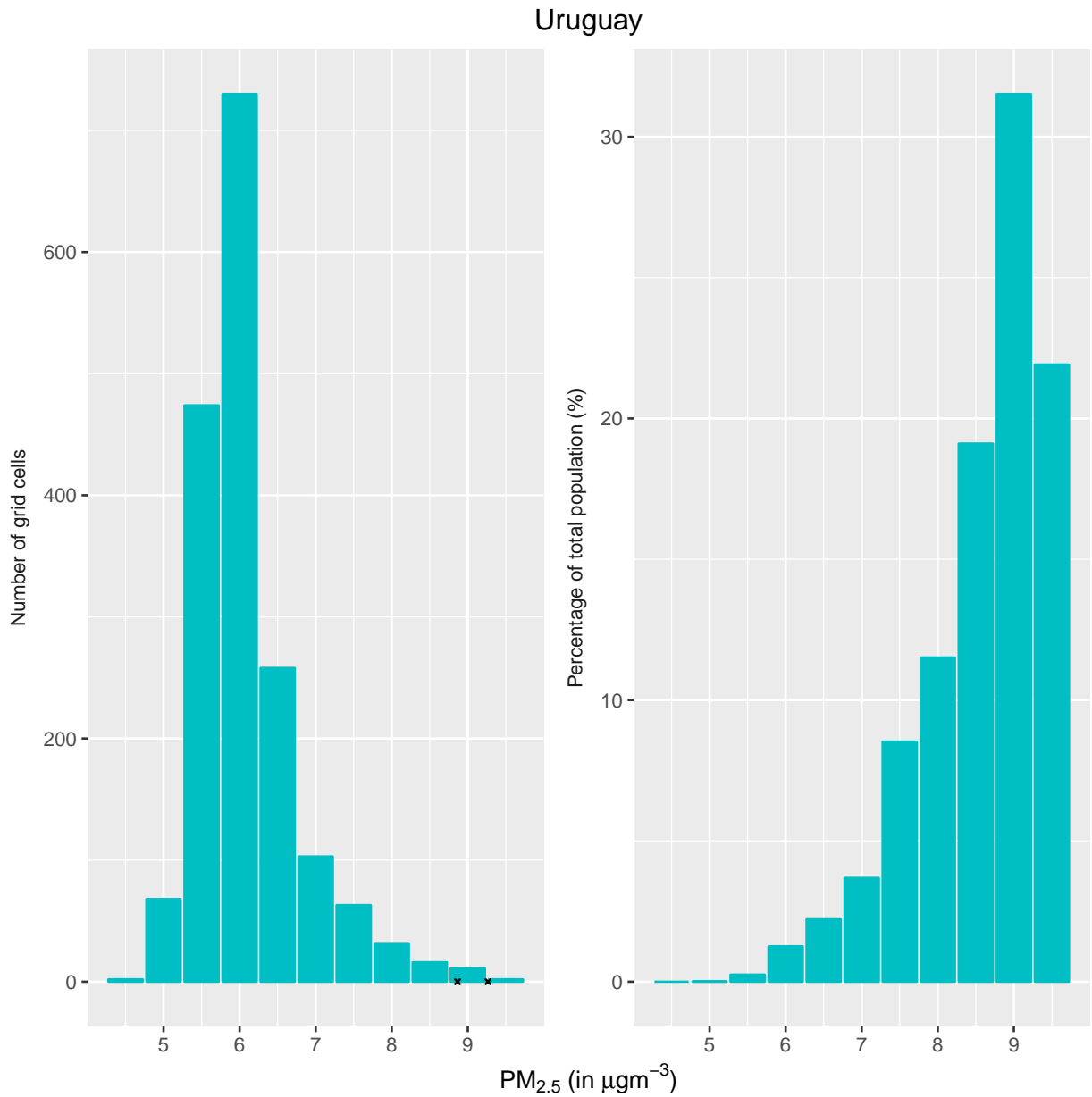
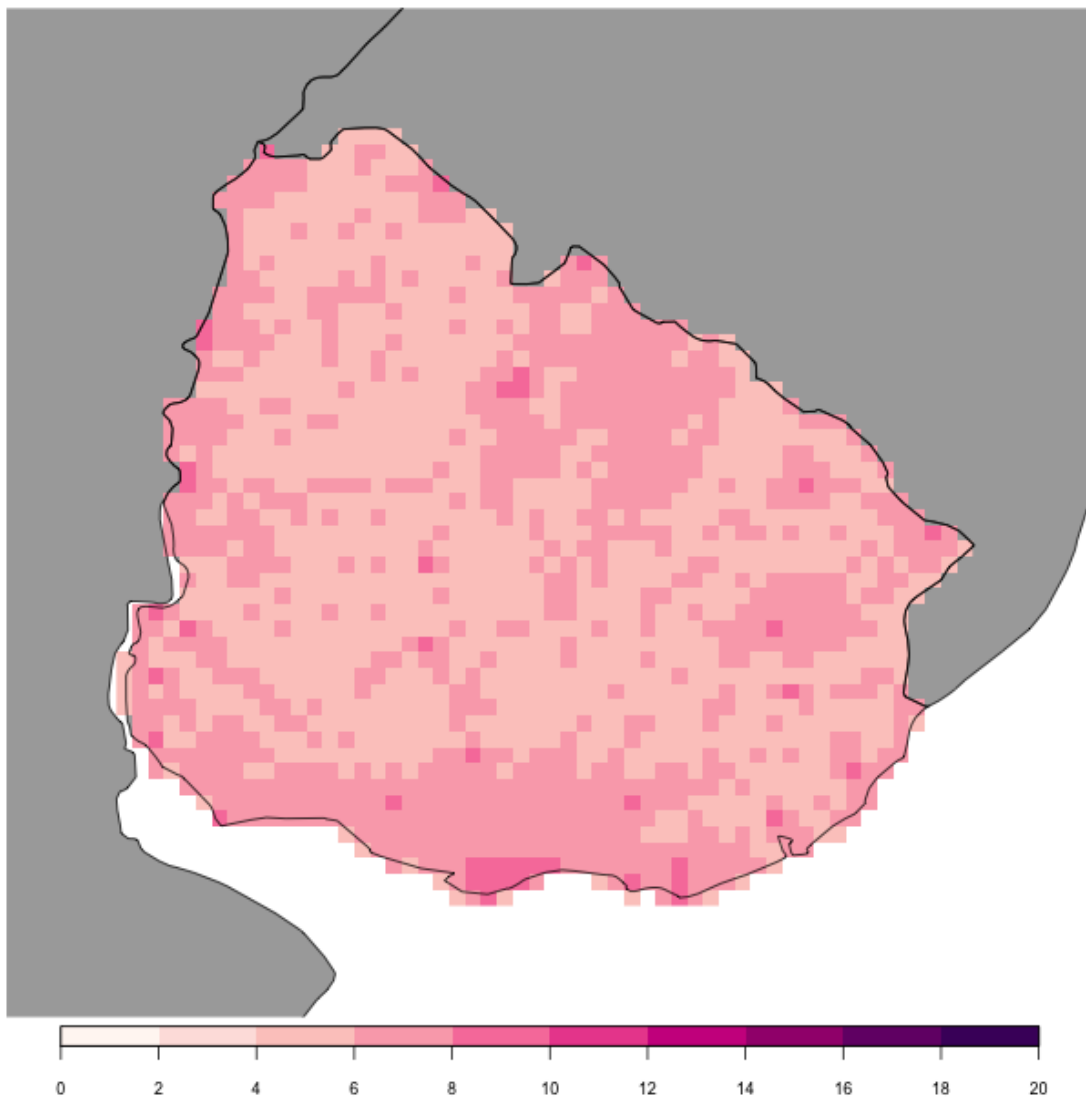


Figure 3: Particulate matter with diameter equal or less than $2.5 \mu\text{m}$ ($\text{PM}_{2.5}$ in the air, in $\mu\text{g}/\text{m}^3$). (Note: This is a schematic representation of the country for the purpose of this air quality map only: figures have been computed by WHO to ensure comparability; thus they are not necessarily the official statistics of Member States, which may use alternative rigorous methods)



3 Burden of disease attributable to air pollution

Table 5: Deaths and DALYs attributable to household and ambient air pollution separately, and as a cluster, by gender and disease, as well as the attributable fraction and mortality rate per 100'000 population (crude and age-standardized), for the year 2016. [a] Age group: children 0-4 years; b. Age group: above 25 years. No health outcome was assessed for age group 5-25 years, because of limited evidence. N.A.: not applicable.

Risk factor/exposure	Disease	Deaths (male)	Deaths (female)	Deaths (total, 95% CI)	DALYs (000's) (male)	DALYs (000's) (female)	DALYs (000's) (total, 95% CI)	Attributable fraction (deaths)	Mortality rate per 100'000 population (Crude)	Mortality rate per 100'000 population (Age-standardized)
Household air pollution	Lower respiratory infections [a]	0	0	0	0	0	0	0.03	0	0
Household air pollution	Trachea, bronchus, lung cancer [b]	20	10	30	0	0	1	0.02	0.9	0.6
Household air pollution	Ischaemic heart disease [b]	16	15	32	0	0	1	0.01	0.9	0.5
Household air pollution	Stroke [b]	7	12	19	0	0	0	0.01	0.6	0.3
Household air pollution	Chronic obstructive pulmonary disease [b]	20	18	38	0	0	1	0.02	1.1	0.6
Household air pollution	Cataract	N.A.	N.A.	N.A.	N.A.	0	0	N.A.	N.A.	N.A.
Household air pollution	Total	65	55	120 (7, 352)	1	1	3 (0, 8)	0.01	3.5	2
Ambient air pollution	Lower respiratory infections [a]	1	1	1	0	0	0	0.08	0	0
Ambient air pollution	Trachea, bronchus, lung cancer [b]	50	17	67	1	0	2	0.05	1.9	1.3
Ambient air pollution	Ischaemic heart disease [b]	212	184	396	5	3	8	0.09	11.5	6.4
Ambient air pollution	Stroke [b]	81	116	197	2	2	4	0.07	5.7	3
Ambient air pollution	Chronic obstructive pulmonary disease [b]	105	65	170	2	1	3	0.09	4.9	2.6
Ambient air pollution	Cataract	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Ambient air pollution	Total	449	383	832 (226, 1161)	10	6	16 (4, 23)	0.08	24.2	13.3
Joint effects of household and ambient air pollution	Lower respiratory infections [a]	1	1	2	0	0	0	0.1	0.1	0.1
Joint effects of household and ambient air pollution	Trachea, bronchus, lung cancer [b]	69	26	95	2	1	2	0.07	2.8	1.9

Table 5: Deaths and DALYs attributable to household and ambient air pollution separately, and as a cluster, by gender and disease, as well as the attributable fraction and mortality rate per 100'000 population (crude and age-standardized), for the year 201 (*continued*)

Risk factor/exposure	Disease	Deaths (male)	Deaths (female)	Deaths (total, 95% CI)	DALYs (000's) (male)	DALYs (000's) (female)	DALYs (000's) (total, 95% CI)	Attributable fraction (deaths)	Mortality rate per 100'000 population (Crude)	Mortality rate per 100'000 population (Age-standardized)
Joint effects of household and ambient air pollution	Ischaemic heart disease [b]	226	198	424	5	3	8	0.1	12.3	6.9
Joint effects of household and ambient air pollution	Stroke [b]	88	127	215	2	2	4	0.08	6.2	3.3
Joint effects of household and ambient air pollution	Chronic obstructive pulmonary disease [b]	123	81	205	2	1	4	0.11	6	3.1
Joint effects of household and ambient air pollution	Cataract	N.A.	N.A.	N.A.	N.A.	0	0	N.A.	N.A.	N.A.
Joint effects of household and ambient air pollution	Total	508	434	942 (256, 1315)	11	7	18 (5, 26)	0.09	27.3	15.1
Joint effects of household and ambient air pollution	SDG 3.9.1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	27.3	15.1