## Appendix: Method and transparency Please use Ctrl + Scroll to zoom in this electronic appendix

Method	Demand Data	Demand Data	Number of	I-O table data	I-O table data	I-O model	Number of	Source of emission	Included	Concardance	Sensitivity/Unc	Discussion of
	source (detail)	year	demand/Expen	source	year		production	data/satelite account	Greenhouse	matrix	ertainty	limitations
			diture				sectors		Gases	reported	Analysis	
Top-Down	"National Medical	2011	16	Ministry of	2011	SRIO (JIOT)	397	Japan National Report	CO2. CH4.	No	No	Yes
	Expenses Statistics"			internal Affairs and				of GHGs Inventory (NRI)	N2O, HFCs, PFCs, SF6 and			
Ton-Down	US National Health	2003-2013	15	Federal Bureau	2002	SRIO	400+	FIOL CA	Fauivalents	Yes	No	Yes
Top-Down	Expenditure Accounts	2005-2015	15	of Economic Analysis	2002	SIGO	+001	LIGECA	Equivalents	103	110	103
Top-Down	OECD: OECD health statistics database; China+India: World Bank health care expenditure	2014	OECD: 19	Eora	2014	MRIO (Eora)	14839	EDGAR	CO2	Available upon request	No	Yes
Top-Down	National Health	2009-2015	13	(Statistics	2009	SRIO (Open IO-	112 sectors, 238	Statistics Canada	carbon dioxide,	Yes	No	Yes
	Expenditures (NHEX) database maintained by the Canadian Institute for Health Information (CIHI)			Canada)		Canada)	commodities	Environmental Accounts and the Canadian National Pollutant Release Inventory	methane, and nitrous			
Top-Down	Australian Institute of Health and Welfare (AIHW)	2015	16	Australian Bureau of Statistics	2014-2015	SRIO (Individually constructed)	360	Sydney University IELab	Equivalents	No	Monte-Carlo	Yes
Top-Down	Wettare (AIHW) national input-output table, China Health and Family Planning Statistics, China Construction Statistics, and China Science and Technology Statistics yearbooks	2013	8	Statistics National Bureau of Statistics of China	2012	SRIO	46	Climate Change Department of National Development and Reform Commission of the People's Republic of China. The People's Republic of China First Biennial Update Report on Climate Change	CO2, CH4, and N2O emissions	No	Monte-Carlo + Robustness (w/ onsite-emission in the medical institution sector) + Sensitivity (w/ energy intensities of floorspace of commercial buildings)	Yes
Hybrid	Scottish Government health expenditure	1990-2004	17	Scottish Government	1990-2004	SRIO (Scottish Government Input- Output tables)	123	UK National Statistics Environmental Accounts	CO2	Allocation without quantitative description	No	No
Hybrid	English Government	2004-2015	5	DEFRA	2004-2015	MRIO (UK-MRIO)	178	National Statistics Environmental Accounts	CO2 Beginning in 2010: CH4, N2O, HFCs, PFCs, SF6	Allocation without quantitative description	No	No
Top-Down	OECD health statistics database; World Health Organization, "Global Health Expenditure Database,"	2014	No	WIOD	2014	MRIO (WIOD)	2408	CO2: WIOD; Methane and Nitrous oxide: PRIMAP	carbon dioxide, methane and nitrous oxide gases	Reference to Pichler et al. (2019)	No	Yes
Top-Down	OECD Health Statistics 2017 supplied by the Austrian national	2014	9	Eora	2014	MRIO (Eora)	15909	EORA taken from EDGAR	CO2	Reference to Pichler et al. (2019)	No	Yes
Top-Down	Australian Institute of Health and	2016-2017	16	Australian Bureau of	2017	SRIO (Individually constructed)	2880	No	No	No	No	Yes
Top-Down	Welfare National Health Expenditure Accounts of the Centers for Medicare and Medicaid Services (CMS)	2010-2018	16	Statistics (ABS) Bureau of Economic Analysis	2012	SRIO (US Environmentally- Extended Input-Output model)	405	Inventory of U.S. Greenhouse Gas Emissions and Sinks	No	Yes	No	Yes
Hybrid	Public Expenditure Statistical Analysis Supply and Use tables from HM Treasury	1990-2019	19	DEFRA	1997-2016	MRIO (UK-MRIO)	424	UK MRIO	carbon dioxide [CO2], methane [CH4], nitrous oxide [N20], and some categories of fluorinated gases/all Kyoto Protocol greenhouse gases	Yes	No	Yes
Top-Down	EORA	2000-2015	163	Eora	2000-2015	MRIO (Eora)	14838	EORA taken from EDGAR	carbon dioxide [CO2], methane, nitrous oxide, hydrofluorocarb on,	No	Uncertainty	Yes
Hybrid	Centraal Pursau	2016	3	FXIOBASE	2016	MRIO (EXIORASE)	7 987	EXIOBASE	CO2 CH4	Ves	No	Ves
riyonu	Contraat Dureau V00	2010	5	LIODASE	2010	(LAIOBASE)	1.701	LAIODADE	N2O	105		105