

Glossary of Principal Variables Used in Empirical Analyses

Questions	Variable name	Label
	USA	=1 if the country is USA =0 otherwise
	GERMANY	=1 if the country is Germany =0 otherwise
	HUNGARY	=1 if the country is Hungary =0 otherwise
	JAPAN	=1 if the country is Japan =0 otherwise
	FRANCE	=1 if the country is France =0 otherwise
	NORWAY	=1 if the country is Norway =0 otherwise
Q.1.1	PERSENV	=1 if at least one person in the facility has explicit responsibility for environmental concerns =0 otherwise
Q.1.6	EMSACTL	=1 if the facility has implemented an environmental management system =0 otherwise
Q.1.6	EMSAGE	Number of years since the EMS has been implemented (derived from “Year of implementation” in Q.1.6)
Q.1.6b	CERTIF	=1 if the EMS is certified EMAS or ISO14001 =0 otherwise
Q.2.3	ACTAPOL	=1 if the facility has undertaken concrete actions to reduce environmental impacts associated with local or regional air pollution =0 otherwise
Q.2.3	ACTWST	=1 if the facility has undertaken concrete actions to reduce environmental impacts associated with solid waste generation =0 otherwise
Q.2.3	ACTWW	=1 if the facility has undertaken concrete actions to reduce environmental impacts associated with waste water effluent =0 otherwise
Q.2.6	AIRPERF	=1 if the facility has reduced its environmental per unit of output in the last three years with respect to local or regional air pollution =0 otherwise (derived from CIMPAPOL)
Q.2.6	WSTPERF	=1 if the facility has reduced its environmental per unit of output in the last three years with respect to solid waste generation =0 otherwise (derived from CIMPWST)
Q.2.6	WATPERF	=1 if the facility has reduced its environmental per unit of output in the last three years with respect to wastewater effluent =0 otherwise (derived from CIMPWW)
Q.2.6	ENVPERF	=1 if AIRPERF=1 or WSTPERF=1 or WATPERF=1 =0 otherwise (proxy for environmental performance)
Q.4.1	PERFSTD1	=1 if performance-based standards are perceived as important on the facility’s production activities =0 otherwise
Q.4.1	TECHSTD1	=1 if technology-based standards are perceived as important on the facility’s production activities =0 otherwise
Q.4.1	POLTAX1	=1 if emission taxes or charges are perceived as important on the facility’s production activities =0 otherwise
Q.4.1	INPTAX1	=1 if input taxes are perceived as important on the facility’s production activities =0 otherwise
Q.4.1	VOLAGR1	=1 if voluntary agreements are perceived as important on the facility’s production activities

		=0 otherwise
Q.4.2	RAPCPRM B	=1 if consolidating environmental permits programmes have encouraged the use of an EMS =0 otherwise
Q.4.2	RAPTECHB	=1 if technical assistance provided by regulatory authorities has encouraged the use of an EMS =0 otherwise
Q.4.2	RAPFSUPB	=1 if financial support provided by regulatory authorities has encouraged the use of an EMS =0 otherwise
Q.4.2	RAPINFOB	=1 if information about the value of such systems provided by regulatory authorities has encouraged the use of an EMS =0 otherwise
Q.4.2	RAPEPRMB	=1 if expediting environmental permits programmes have encouraged the use of an EMS =0 otherwise
Q.4.2	RAPRECGB	=1 if special recognition or award provided by regulatory authorities has encouraged the use of an EMS =0 otherwise
Q.4.2	RAPPREFB	=1 if preferences for public procurement stated by regulatory authorities have encouraged the use of an EMS =0 otherwise
Q.4.2	RAPINSPB	=1 if the reduction of the frequency of regulatory inspections has encouraged the use of an EMS =0 otherwise
Q.4.2	RAPREGSB	=1 if waiving environmental regulations programmes have encouraged the use of an EMS =0 otherwise
Q.4.2	RAPSTRGB	=1 if the reduction of stringency of regulatory thresholds has encouraged the use of an EMS =0 otherwise
Q.4.3	POLSTRNG	=1 if policy is not perceived as particularly stringent =2 if policy is perceived as moderately stringent =3 if policy is perceived as very stringent
Q.4.4	INSPFREQ	Number of times the facility has been inspected by public environmental authorities in the last three years
Q.5.1	PRIMCSTB	=1 if the primary customers for the facility's products are wholesalers and households =0 otherwise
Q.5.2	MRKTSCP2	=1 if the scope of the facility's market is local =0 otherwise
Q.5.2	MRKTSCP3	=1 if the scope of the facility's market is national or regional =0 otherwise
Q.5.3	MRKTCC2	=1 if there are between 5 and 10 competitors on the market =0 otherwise
Q.5.3	MRKTCC3	=1 if there are more than 10 competitors on the market =0 otherwise
Q.5.4	COMPPRIC	=1 if the facility's ability to compete on the market is related to product price =0 otherwise
Q.5.4	COMPIMG	=1 if the facility's ability to compete on the market is related to firm image =0 otherwise
Q.5.4	COMPQUA L	=1 if the facility's ability to compete on the market is related to product quality =0 otherwise
Q.5.4	COMPBYR S	=1 if the facility's ability to compete on the market is related to established relationships with buyers =0 otherwise
Q.5.6	FACEMP2	=1 if there are more than 100 but less than 250 employees in the facility =0 otherwise
Q.5.6	FACEMP3	=1 if there are more than 250 but less than 500 employees in the facility =0 otherwise
Q.5.6	FACEMP4	=1 if there are more than 500 employees in the facility =0 otherwise
Q5.10	FACVOSB	=1 if the changes in sales in the last three years have increased =0 otherwise
Q.5.11	FACPERFB	=1 if the business performance in the last three years has increased =0 otherwise
Q.5.12	SECTOR1	=1 if the industrial sector is food, tobacco and beverage =0 otherwise

Q.5.12	SECTOR2	=1 if the industrial sector is leather, fur and textile =0 otherwise
Q.5.12	SECTOR3	=1 if the industrial sector is wood and furniture =0 otherwise
Q.5.12	SECTOR4	=1 if the industrial sector is pulp and paper =0 otherwise
Q.5.12	SECTOR5	=1 if the industrial sector is coke, chemicals and rubber =0 otherwise
Q.5.12	SECTOR6	=1 if the industrial sector is non-metallic mineral products =0 otherwise
Q.5.12	SECTOR7	=1 if the industrial sector is metal =0 otherwise
Q.5.12	SECTOR8	=1 if the industrial sector is machinery and equipment =0 otherwise
Q.5.12	SECTOR9	=1 if the industrial sector is motor vehicles and transport equipment =0 otherwise
Q.6.1	FIRMQUOT	=1 if the firm is quoted on a stock exchange =0 otherwise
Q.6.2	FRMINTL	=1 if the firm's head office is located in a foreign country =0 otherwise
Q.6.4	MULTIFAC	=1 if the firm has more than one production facility =0 otherwise
