





4. Appendices

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APPENDIX I: INDEX OF ACRONYMS, ABBREVIATIONS AND UNITS

AC / CCAA	Autonomous Community / Comunidades Autónomas
AE	Autonomous Entity
AEDyR	Spanish Desalination and Reclamation Association (<i>Asociación Española de Desalación y Recuperación</i>)
AEMET	Spanish State Meteorological Agency (<i>Agencia Estatal de Meteorología</i>)
AENA	Spanish Airports Authority (<i>Aeropuertos Españoles y Navegación Aérea</i>)
AEPLA	Spanish Plant Protection Association (<i>Asociación Empresarial para la Protección de las Plantas</i>)
ANFFE	Spanish Association of Fertiliser Manufacturers (<i>Asociación Nacional de Fabricantes de Fertilizantes</i>)
APPA	Spanish Association of Renewable Energy Producers (<i>Asociación de Productores de Energías Renovables</i>)
ASPAPPEL	Spanish Association of Pulp, Paper and Cardboard Manufacturers (<i>Asociación Española de Fabricantes de Pasta, Papel y Cartón</i>)
BIC	Cultural Interest Site / Asset (<i>Bien de Interés Cultural</i>)
BOD	Biochemical Oxygen Demand
BOE	Spanish Official State Gazette (<i>Boletín Oficial del Estado</i>)
BPIA	Public Bank of Environmental Indicators (<i>Banco Público de Indicadores Ambientales</i>)
CAFE	Clean Air for Europe Programme
CAP	Common Agricultural policy
CCHH	Hydrographic Confederations (<i>Confederaciones Hidrográficas</i>)
CEDEX	Spanish Centre for Studies and Experimentation in Public Works (<i>Centro de Estudios y Experimentación de Obras Públicas</i>)
CEDRE	Centre of Documentation, Research and Experimentation on Accidental Water Pollution / <i>Centre de documentation de Recherche et d'expérimentation sur les pollutions accidentelles des eaux</i>
CEMR	Council of European Municipalities and Regions
CES	Spanish Economic and Social Council (<i>Consejo Económico y Social</i>)
CFP	Common Fisheries Policy of the EU
CFP	Common Fisheries Policy
CIS	Spanish System of Environmental Indicators (<i>Sistema Español de Indicadores Ambientales</i>)
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
CLC	Corine Land Cover (1990, 2000 and 2006)
CLIF	Committee of actions against Forest Fires
CNAE	Spanish National Classification of Economic Activities (<i>Clasificación Nacional de Actividades Económicas</i>)
CNE (a)	Spanish National Accounts (<i>Contabilidad Nacional de España</i>)
CNE (b)	Spanish National Energy Commission (<i>Comisión Nacional de la Energía</i>)
CNEA	Spanish National Catalogue of Endangered Species (<i>Catálogo Nacional de Especies Amenazadas</i>)
CNEAM	Spanish National Centre for Environmental Education (<i>Centro Nacional para la Educación Ambiental</i>)
CNMB	Spanish National Catalogue of Basic Material (<i>Catálogo Nacional de Materiales de Base</i>)
CORES	Strategic Petroleum Products Reserve Corporation (<i>Corporación de Reservas Estratégicas de Productos Petrolíferos</i>)
CRED	Centre for Research on the Epidemiology of Disasters
CTE	Spanish Building Code (<i>Código Técnico de la Edificación</i>)
DB	Particulate matter in the air
DG	Directorate-general
DGT	Spanish Directorate-General for Traffic
DPMT	Publicly-Owned Shoreline (<i>Dominio Público Marítimo Terrestre</i>)

DPSIR	Driving forces, Pressures, States, Impacts, Responses. Theoretical framework used by the European Environment Agency to analyse the environment and classify environmental indicators
DRR	Disaster Risk Reduction
EAGGE	European Agriculture Guidance and Guarantee Fund
EC	European Commission
ECOEMBES	Ecoembalajes España, S.A,
ECOVALOR SIGNUS	Integrated Management System for End-of-Life Tyres
ECOVIDRIO	Association responsible for managing recycling of glass packaging waste throughout Spain
ECP	European Landscape Convention
ECPF	Household Budget Continuous Survey (<i>Encuesta Continua de Presupuestos Familiares</i>)
EDAR	Waste Water Treatment Plant (<i>Estación de Depuración de Aguas Residuales</i>)
EEA / AEMA	European Environment agency / <i>Agencia Europea de Medio Ambiente</i>
EEC	European Economic Community
EEDS	Spanish Sustainable Development Strategy (<i>Estrategia Española de Desarrollo Sostenible</i>)
EEMS	Spanish Sustainable Mobility Strategy (<i>Estrategia Española de Movilidad Sostenible</i>)
EESUL	Spanish Strategy for Urban and Local Sustainability (<i>Estrategia Española para la Sostenibilidad Urbana y Local</i>)
EFF	European Fisheries Fund
EINECS	European Inventory of Existing Commercial Chemical Substances
EIONET	Environment Information and Observation Network of the [EEA]
EIT	Spanish Institute for Tourism Studies (<i>Instituto de Estudios Turísticos</i>)
ELINCS	European List of Notified Chemical Substances
ELT	End-of-Life Tyre
EMAS	Eco-Management and Audit Scheme
EMAU	Spanish Urban Environment Strategy (<i>Estrategia de Medio Ambiente Urbano</i>)
EM-DAT	Emergency Events Database
EMEP/GAW/CAMP	European Monitoring and Evaluation of Pollutants / Global Atmospheric Watch / Comprehensive Atmospheric Monitoring Programme
EMFF	European Maritime and Fisheries Fund
EMS	Environmental Management System
EMW	European Mobility Week
ENAC	Spanish National Accreditation Body (<i>Entidad Nacional de Acreditación</i>)
ENP	Protected Natural Areas (<i>Espacios Naturales Protegidos</i>)
EOAT-EOTR	Holiday Dwellings Occupancy Survey - Rural Tourism Accommodation Occupancy Survey (<i>Encuesta de Ocupación en Alojamientos Turísticos - Alojamientos de Turismo Rural</i>)
EOH	Hotel Occupancy Survey (<i>Encuesta de Ocupación Hotelera</i>)
EPA	Labour Force Survey (<i>Encuesta de Población Activa</i>)
EPER	European Pollutant Emission Register
EPF	Household Budget Survey (<i>Encuesta de Presupuestos Familiares</i>)
ERDF	European Regional Development Fund
ERPC	European Recovered Paper Council
ESYRCE	Crop Area and Yield Survey (<i>Encuesta sobre Superficies y Rendimientos de Cultivos</i>)
ETC/TE	European Topic Centre on Terrestrial Environment (EEA)
EU-15	Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, Netherlands, Austria, Portugal, Finland, Sweden, United Kingdom
EU-25	Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, Netherlands, Austria, Portugal, Finland, Sweden, the United Kingdom, Hungary, Poland, Cyprus, Czech Republic, Estonia, Malta, Latvia, Lithuania, Slovenia, Slovakia
EU-27	UE25+ Bulgaria and Romania
EUNIS	European Information system, European Nature Information System
EUROPARC	Federation of Nature and National Parks of Europe

EUROSTAT	Statistical Office of the European Union
EUROWATERNET	European Monitoring and Information Network for Inland Water Resources
FAMILITUR	Spanish National Tourism Survey [EIT]
FAO	Food and Agriculture Organization of the United Nations
FAOSTAT	FAO Statistical Database
FEMP	Spanish Federation of Municipalities and Provinces (<i>Federación Española de Municipios y Provincias</i>)
FEVE	European Container Glass Federation
FRONTUR	Spanish Border Survey of Inbound Tourism
GAW	Global Atmospheric Watch
GDP	Gross Domestic Product
GEI	Green Economy Initiative [UNEP]
GHG	Greenhouse Gas
GIS	Geographic Information System
GVA	Gross value Added
HISPAGUA	Spanish Water Information System (<i>Sistema Español de Información sobre el Agua</i>)
HORECA	Hotel, Restaurant and Catering sector
ICLEI	International Council for Local Environmental Initiatives
ICT	Information and Communication Technology
IDAE	Spanish Institute for Energy Saving and Diversification (<i>Instituto para la Diversificación y Ahorro de Energía</i>)
IDF	Inventory of Forest Damage (<i>Inventario de Daños Forestales</i>)
IEEM	Spanish Marine Species Inventory (<i>Inventario Español de Especies Marinas</i>)
IEHEM	Spanish Inventory of Marine Species and Habitats (<i>Inventario Español de Hábitats y Especies Marinas</i>)
IFN2, IFN3, IFN4	Spanish National Forest Inventory. IFN1: 1966-1975; IFN2: 1986-1996; IFN3: 1997-2007, IFN4: launched in 2008
IGME	Geological and Mining Institute of Spain (<i>Instituto Geológico y Minero de España</i>)
IGN	Spanish National Geographic Institute (<i>Instituto Geográfico Nacional</i>)
IHOBE	Basque Public Environmental Management Company (<i>Sociedad Pública de Gestión Ambiental del País Vasco</i>)
ILO	International Labour Organization
IMF	International Monetary Fund
IMS	Integrated Management System
INB	Spanish National Biodiversity Inventory (<i>Inventario Nacional de Biodiversidad</i>)
INE	Spanish National Statistics Institute (<i>Instituto Nacional de Estadística</i>)
INES	Spanish National Soil Erosion Inventory (<i>Inventario Nacional de Erosión de Suelos</i>)
IPCC	Intergovernmental Panel on Climate Change
IPI	Industrial Production Index
IPPC	Integrated Pollution Prevention and Control
ISDR	International strategy for Disaster Reduction
ISO	International Organization for Standardization
IUCLID	International Uniform Chemical Information Database
IUCN	International Union for Conservation of Nature
JACUMAR	Spanish National Advisory Board for Marine Aquaculture (<i>Junta Nacional Asesora de Cultivos Marinos</i>)
LEAC	Land and Ecosystem Account
LIFE	European financial instrument for the environment
LPRE	State Reference Standard List (<i>Lista Patrón de Referencia Estatal</i>)
MAB	Man and Biosphere
MAGRAMA	Spanish Ministry of Agriculture, Food and Environment (<i>Ministerio de Agricultura, Alimentación y Medio Ambiente</i>)
MAHB	Major Accident Hazards Bureau
MAPA	Spanish Ministry of Agriculture, Fisheries and Food (<i>Ministerio de Agricultura, Pesca y Alimentación</i>)
MARM	Spanish Ministry of the Environment and Rural and Marine Affairs (<i>Ministerio de Medio Ambiente y Medio Rural y Marino</i>)

MC	Spanish Ministry of Culture (<i>Ministerio de Cultura</i>)
MCSD	Mediterranean Commission on Sustainable Development
MF	Spanish Ministry of Public Works (<i>Ministerio de Fomento</i>)
MFE25	Forest Map of Spain (<i>Mapa Forestal de España</i>) [1: 25,000 scale]
MFE50	Forest Map of Spain (<i>Mapa Forestal de España</i>) [1: 25,000 scale]
MINETUR	Spanish Ministry of Industry, Energy and Tourism (<i>Ministerio de Industria, Energía y Turismo</i>)
MITyC	Spanish Ministry of Industry, Tourism and Trade (<i>Ministerio de Industria, Turismo y Comercio</i>)
MSSSI	Spanish Ministry of Health, Social Services and Equality (<i>Ministerio de Sanidad, Servicios Sociales e Igualdad</i>)
NAFO	Northwest Atlantic Fisheries Organisation
NEDIES	Natural and Environmental Disasters Information Exchange System
NGOS	Non-Governmental Organisation
NP	National Park
NRC	EIONET National Reference Centre
ODP	Ozone Depleting Potential
OECD / OECD	Organisation for Economic Cooperation and Development
OFICEMEN	Spanish Association of Cement Manufacturers (<i>Asociación de Fabricantes de Cemento de España</i>)
ONS	Spanish National Drought Monitoring Centre (<i>Observatorio Nacional de la Sequía</i>)
OSE	Spanish Sustainability Monitoring Centre (<i>Observatorio de la Sostenibilidad en España</i>)
OSPAR	Oslo-Paris Convention for the Protection of the Marine Environment of the North-East Atlantic
PACIAP	Spanish Annual Programme for the Integrated Monitoring of Fisheries (<i>Programa Anual de Control Integral de Actividades Pesqueras</i>)
PAND	Spanish National Action Programme to Combat Desertification (<i>Programa de Acción Nacional contra la Desertificación</i>)
PANER	National Renewable Energy Action Plan (<i>Plan de Acción Nacional de Energías Renovables</i>)
PAR	Spanish Action Plan to Combat Noise (<i>Plan de Acción contra el Ruido</i>)
PDRS	Spanish Sustainable Rural Development Plan (<i>Plan de Desarrollo Rural Sostenible</i>)
PEI	Primary Energy Intensity
PEIT	Spanish Strategic Infrastructure and Transport Plan (<i>Plan Estratégico de Infraestructuras y Transportes</i>)
PHE	Spanish Historical Heritage (<i>Patrimonio Histórico Español</i>)
PICTE 2000	Spanish Integrated Plan for Tourism Quality (<i>Plan Integral de Calidad del Turismo Español</i>)
PIN 2020	Spanish Integrated Plan for Industrial Policy 2020 (<i>Plan Integral de Política Industrial 2020</i>)
PNCA	Spanish National Water Quality, Sewerage and Treatment Plan (<i>Plan Nacional de Calidad de las Aguas: Saneamiento y Depuración</i>) 2007-2015
PNIR	Spanish National Integrated Waste Plan (<i>Plan Nacional Integrado de Residuos</i>) 2008-2015
PNOA	Spanish National Aerial Orthophotography Plan (<i>Plan Nacional de Ortofotografía Aérea</i>)
PNR	Spanish National Reform Plan (<i>Plan Nacional de Reformas</i>)
PNSD	Spanish National Sewerage and Wastewater Treatment Plan (<i>Plan Nacional de Saneamiento y Depuración</i>)
PORN	Spanish Natural Resources Management Plan (<i>Plan de Ordenación de los Recursos Naturales</i>)
PRUG	Spanish Use and Management Master Plan (<i>Plan Rector de Uso y Gestión</i>)
RAP	Rural Area Plan
RENFE	Spanish National Railway Network (<i>Red Nacional de los Ferrocarriles Españoles</i>)
REPCAR	Spanish Paper and Cardboard Recycling Association (<i>Asociación Española de Recuperación de Papel y Cartón</i>)
RMIP	Spanish Marine Fishery Reserve (<i>Reserva Marina de Interés Pesquero</i>)

ROI (Network)	Spanish Salt Intrusion Monitoring Network (<i>Red de Observación de la Intrusión Salina</i>)
RUSLE	Revised Universal Soil Loss Equation
RW	Railway
SAC	Special Area of Conservation
SAP-BIO	Strategic Action Programme for the Conservation of Biological Diversity in the Mediterranean
SCI	Site of Community Importance
SECEM	Spanish Society for the Conservation and Study of Mammals (<i>Sociedad Española para la Conservación y Estudio de los Mamíferos</i>)
SEO	Spanish Ornithological Society (<i>Sociedad Española de Ornitología</i>)
SEPRONA	Nature Protection Service of the Civil Guard (<i>Servicio de Protección de la Naturaleza de la Guardia Civil</i>)
SICA	Basic Noise Pollution Information System (<i>Sistema Básico de Información sobre la Contaminación Acústica</i>)
SIMPA	Simulation of Rainfall and Inputs (<i>Simulación Precipitación-Aportación</i>)
SNAP	Selected Nomenclature for Causes of Air Pollution
SNM	Strategic Noise map
SNS	Spanish National Health System (<i>Sistema Nacional de Salud</i>)
SOER 2005	EEA report: The European Environment: State and Outlook on the Environment Report 2005
SOER 2010	EEA report: The European Environment: State and Outlook on the Environment Report 2010
SPA	Special Protection Area for Birds
SPAMI	Specially Protected Area of Mediterranean Importance
SPCAN	Service for Protection Against Harmful Agents (<i>Servicio de Protección Contra Agentes Nocivos</i>)
TERM	Transport and Environment Reporting Mechanism
TMR	Total Material Requirement
TNU	Treatment of Used Tyres (<i>Tratamiento de Neumáticos usados</i>) (Management System)
TPE	Tourist Population Equivalent
UAA	Utilised Agricultural Area
UN	United nations
UNEP	United Nations Environment Programme
UPM	Polytechnic University of Madrid (<i>Universidad Politécnica de Madrid</i>)
UTM	Universal Transversa Mercator
UV-B	Ultraviolet-B radiation
UW	Urban Waste
WFD	Waste Framework Directive
WHC	World Heritage Centre
WISE	Water Information System for Europe
WMO	Metropolitan Mobility Monitoring Centre (<i>Observatorio de la Movilidad Metropolitana</i>)
WTO/UNWTO	World Tourism Organization
WWF	World Wildlife Fund (in Spain, <i>WWF-Adena</i>)

SYMBOLS, UNITS AND CHEMICAL COMPOUNDS

€	Euro
AOT 40	Accumulation Over Threshold: index of exceedance of the ozone threshold
CCl₄	Carbon tetrachloride
CFC	Chlorofluorocarbon
CH₄	Methane
CO	Carbon monoxide
CO₂	Carbon dioxide
POP	Persistent Organic Pollutant
VOC	Volatile Organic Compound
NMVOG	Non-Methane Volatile Organic Compound
dB	Decibel. Measure of sound pressure level

dB (A)	A-weighted decibel
BOD₅	Five-day Biochemical Oxygen Demand
COD	Chemical Oxygen Demand
GT	Gross Tonnage: measure of tonnage of fishing vessels. In use since 1998, when it replaced Gross Registered Tonnage (GRT)
GWh	Gigawatt-hour
h	Hour
ha	Hectare
inhab	Inhabitant
HBFC	Hydrobromofluorocarbon
HCFCs	Hydrochlorofluorocarbon
hm³	Cubic hectometre
kg	Kilogram
km	Kilometre
km²	Square kilometre
Ktoe	Kilotonne of oil equivalent
kW	Kilowatt
kWh	Kilowatt-hour
l	Litre
L_{Aeq}	Equivalent continuous A-weighted sound pressure level. Expressed in A-weighted decibels (A)
Leq	Equivalent continuous noise level. Expressed in dB
L_{den}	Day-evening-night noise indicator. Measured in dB
L_n	Night time noise indicator. Measured in dB
mg	Milligram
Mt	Thousands of tonnes
MW	Megawatt
MWp	Megawatt peak
MWt	Megawatt thermal
m²	Square metre
m³	Cubic metre
N	Nitrogen
NH₃	Ammonia
N₂O	Nitrous oxide
NO_x	Nitrogen oxide
O₃	Ozone
P	Phosphorus
PCB	Polychlorinated biphenyl
PCT	Polychlorinated terphenyl
PFC	Perfluorocarbon
P₂O₅	Orthophosphate
PM₁₀	Particulate matter with a diameter of 10 microns or less
PM_{2.5}	Particulate matter with a diameter of 2.5 microns or less
ppm	Parts per million
Ppb	Parts per billion
SF₆	Sulphur hexafluoride
SO₂	Sulphur dioxide
t	Tonne
t-km	Tonne kilometre. Unit of measurement used for freight transport, calculated by multiplying the number of tonnes transported by the number of kilometres travelled
TJ	Terajoule
GRT	Gross Registered Tonnage
p-km	Passenger-kilometre. Unit of measure used for passenger transport, calculated by multiplying the annual number of passengers by the number of kilometres travelled
µg	Micrograms
>	Greater than
<	Less than
1000 t	Thousand tonnes

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