Glossary

ADB	Asian Development Bank
AHSG	Ad hoc steering group
AoA	Assessment of Assessments
AR4	Assessment Report 4
CAREC	Regional Environmental Centre for Central Asia
CBD	Convention on Biological Diversity
CEP	Committee on Environmental Policy
CIA	Central Intelligence Agency
CSR	Corporate Social Responsibility
DEWA	Division of Early Warning and Assessment
DG	Directorate General
DPSIR	Driving forces-Pressures-State-Impacts-Responses
EBRD	European Bank for Reconstruction and Development
EC	European Commission
ECLAC	Economic Commission for Latin America and the Caribbean
EEA	European Environment Agency
EE-AoA	Europe's environment: An Assessment of Assessments
EEB	European Environmental Bureau
EECCA	Eastern Europe, the Caucasus and Central Asia
EfE process	Environment for Europe process
EFTA	European Free Trade Association
EIA	Environmental impact assessment
Eionet	European Information and Observation Network
ENPI	European Neighbourhood Partnership Instrument of the EU
EPR	Environment performance review
ETC	European Topic Centre
EU	European Union

Glossary

EUREAU	European Federation of National Associations of Water and Wastewater Services
Eurostat	Statistical Office of the European Communities
EUWI	European Water Initiative
FAO	Food and Agriculture Organization of the United Nations
FAO-Aquastat	FAO's global information system on water and agriculture
GDP	Gross domestic product
GEA	Greening the Economy with Agriculture
GEF	Global Environment Facility
GEI	Green Economy Initiative
GEO	Global Environment Outlook
GGGI	Global Green Growth Institute
GHG	Greenhouse gas
GIS	Geographic information system
GLAAS	Global Annual Assessment of Sanitation and Drinking-Water
GMES	Global Monitoring for Environment and Security
GRAMED	Global and Regional Assessments of the Marine Environment
	Database
GRDC	Global Runoff Data Centre
GRID	Global Resource Information Database
GWP	Global Water Partnership
HELCOM	Helsinki Commission — Baltic Marine Environment Protection Commission
HiTs	Health system profiles
IBNET	International Benchmarking Network for Water and Sanitation Utilities
ICSD	Interstate Commission for Sustainable Development of Central Asia
ICT	Information and Communication Technologies
ICWC	Interstate Commission for Water Coordination of Central Asia
ICZM	Integrated Coastal Zone Management
IHP	International Hydrological Programme
IISD	International Institute for Sustainable Development
ILO	International Labour Organisation
IMF	International Monetary Fund
INSPIRE	Infrastructure for Spatial Information in Europe
IOC-UNESCO	Intergovernmental Oceanographic Commission of UNESCO

Glossary

IPBES	International Platform of Biodiversity and Ecosystem Services
IPCC	Intergovernmental Panel on Climate Change
IRWS	International Recommendation for Water Statistics
IT	Information technology
IWRM	Integrated water resource management
JMP	WHO/UNICEF Joint Monitoring Programme
JRC	Joint Research Centre
KEO	Carpathians Environment Outlook
LCA	Life-cycle analysis
MDG	Millennium Development Goal
MDIAK	Reporting chain: Monitoring — Data — Indicators — Assessments — Knowledge
NESDCA	Network of Experts for Sustainable Development of Central Asia
NFP	National focal point
NGO	Non-governmental organisation
OAS	Organisation of American States
OECD	Organisation for Economic Co-operation and Development
OSCE	Organisation for Security and Co-operation in Europe
PEBLDS	Pan-European Biological and Landscape Diversity Strategy
PPP	public private partnership
RBO	River Basin Organisation
REC	Regional Environmental Centre
Reportnet	Eionet's infrastructure for supporting and improving data and information flows
Rio 2012	Earth Summit 2012
SCL	Saliency — Credibility — Legitimacy
SCP	Sustainable consumption and production
SEBI	Streamlining European 2010 Biodiversity Indicators
SEEAW	System of Environmental-Economic Accounting for Water
SEIS	Shared Environmental Information System
SENSE	Shared European National State of the Environment — the EEA/Eionet project for SOER 2010
SIA	Strategic impact assessment
SIWI	Stockholm International Water Institute
SNA	System of national accounts

Glossary

SoE	State of the environment
SOER	Environment state and outlook report
SOER 2010	European environment — state and outlook 2010 report
TEEB	The Economics of Ecosystems and Biodiversity
UK	United Kingdom
UN	United Nations
UNCSD	United Nation Commission on Sustainable Development
UNDP	United Nations Development Programme
UNECE	United Nations Economic Commission for Europe
UNECE/WGEMA	UNECE's Working Group on Environmental Monitoring and Assessment
UNEP	United Nations Environment Programme
UNEP-GEMS	United Nations Environment Programme Global Environmental Monitoring System
UNEP-WCMC	UNEP World Conversation Monitoring Centre
UNESCAP	United Nations Economic and Social Commission for Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNFCCC	United Nation Framework Convention on Climate Change
UNGA	United Nations General Assembly
UNICEF	United Nations Children's Fund
UNSC	United Nation Statistical Commission
UNSD	United Nations Statistical Division
USA	United States of America
USAID	United States Agency for International Development
WBCSD	World Business Council for Sustainable Development
WFD	Water Framework Directive
WHO	World Health Organisation
WISE	Water Information System for Europe
WMO	World Meteorological Organisation
WRI	World Resources Institute
WWAP	World Water Assessment Programme
WWC	World Water Council
WWDR	World Water Development Report
WWF	World Wide Fund for Nature

Annexes

Chapter 1

Annex 1.1 Comparing the main elements of the EE-AoA with the Marine AoA

Building element	Building element	EE-AoA	
Policy driven process	UNGA's decisions in Resolution 60/30	Following the 2007 Belgrade environment ministers' conference agreed by the UNECE Committee on Environmental Policy (Oct 2010) and endorsed by the UNECE Executive Committee in Feb 2010 (see Chapter 1, Section 1.1).	
Reference frameworks	Start-up phase towards a Regular Process for global reporting and assessment of the state of the marine environment	Part of the development of a sustainable Regular Assessment Process of Europe's environment following the reform of the UNECE Environment for Europe (EfE) process and coherently with the establishment of the EU/EEA Shared Environmental Information System (SEIS) and ENPI-SEIS project.	
Ownership Expert-based process. A Group o Expert was established by the Ac Hoc Steering Group (AHSG) to undertake the actual work of the with the support of UNEP and th Intergovernmental Oceanograph Commission (IOC) of UNESCO. Group of Expert included 17 scie their work was complemented by other contributing experts as need		Participatory process overseen by the UNECE Steering Group on Environmental Assessments specifically set up for the EE-AoA and co-chaired by the EEA and the Kazakh government. Within the guidelines and criteria laid down, the countries had the freedom to decide which information to be input to the process and on the critical appraisal of such information. The writing of the sub-regional modules contributing to the EE-AoA was placed with the relevant Regional Environmental Centers.	
Scale	Global, with 21 AoA 'regions' (seas or oceans) outlined.	Pan-European, with the following sub-regions (EEA member countries, Central Asia, Caucasus, Eastern Europe, Russian Federation, and Western Balkans).	

Building element	Building element	EE-AoA
Content	Mono-thematic (marine environment, including socio-economic aspects).	Multi-thematic (water resources and water resource management for 'water and related ecosystems'; green economy and resource efficiency for 'green economy') and multiple topics within each theme.
Structure	One module	One pan-European module and four sub-regional modules (Central Asia, Caucasus, Eastern Europe, and Russian Federation) for each of the themes, for a total of ten modules, two at pan-European level (one for water and one for green economy) and eight at regional level (four for water and four for green economy).
Guidance	The mandate of the AoA was elaborated by the AHSG at its first meeting in 2006. In brief, the mandate encompasses: (i) assembling information about relevant marine assessments; (ii) undertaking a critical appraisal of such assessments; (iii) identifying a framework and options to build the Regular Process.	The process was developed along guidelines elaborated by the EEA and under the guidance of the Steering Group defining: (i) the conceptual framework of the EE-AoA, including guiding principles; (ii) the main tools for implementation (glossary, guidelines for assessments' selection and prioritisation, templates for assessments' screening, and reporting formats). Tools were adjusted and enriched during implementation.
Monitoring and coordination	The AHSG was established to oversee the implementation of the AoA. Coordination was provided by UNEP and IOC-UNESCO.	The process was guided by the UNECE Steering Group on Environmental Assessment.
IT infrastructure	The GRAMED (Global and Regional Assessments of the Marine Environment Database), an online fully searchable tool, was developed by UNEP-WCMC as a resource to support the work of the Group of Experts.	The EE-AoA knowledge base portal was established. The portal collates information from existing assessments across the pan-European region, allows online direct contribution from individual countries to the process, and provides all necessary tools for implementation, including analytical instruments.
Networking	Through the several UN agencies involved.	Through existing networks (National Focal Points from EEA member and cooperating countries and UNECE/ WGEMA Contact Points from Eastern Europe, Caucasus, Russian Federation and Central Asia).
Tools for implementation	Use of terms, individual assessment template, regional summary template.	Glossary, virtual library and assessment atlas, country fiches, prioritisation criteria, review template

Chapter 2

Annex 2.1 Overview of the different organisations responsible for environmental assessments (66)

Country	Organisations producing SoE assessments	Statistical yearbook	Water reporting	
Albania	Ministry of Environment, Forests and Water Administration		Ministry of Environment, Forests and Water Administration	
Armenia	Ministry of Nature Protection	National Statistical Service	Ministry of Nature Protection	
Austria	Federal Environment Agency	Ministry of Agriculture, Forestry, Environment and Water Management, Statistics Austria	Ministry of Agriculture, Forestry, Environment and Water Management, Federal Environment Agency	
Azerbaijan	Ministry of Ecology and Natural Resources	State Committee of Statistics	Ministry of Ecology and Natural Resources	
Belarus	Ministry of Natural Resources and Environmental Protection	National Statistical Committee	Ministry of Natural Resources and Environmental Protection	
Belgium	Flanders: Flemish Environment Agency (VMM); Walloon: Directorate General for Agriculture, Natural Resources and Environment (DGARNE)	vironment Agency Walloon Institute for IM); Walloon: Evaluation of Foresight and Statistics (IWEPS) Agriculture, tural Resources and		
Bosnia and Herzegovina	Federal Ministry of Environment and Tourism	Federal Office of Statistics	Federal Hydrometeoro- logical Institute	
Bulgaria	Executive Environment Agency	National Statistical Institute	Ministry of Environment and Water	
Croatia	Croatian Environment Agency	Croatian Bureau of Statistics	Hrvatske vode	
Cyprus	Ministry of Agriculture, Natural Resources and Environment	Statistical Service	Water Development Department	

(**) In many countries, in addition to the organisations mentioned in this annex, the responsible ministries involve their statistical office, environment agency, water resources institute and/or hydrological service in developing the assessments.

Country	Organisations producing SoE assessments	Statistical yearbook	Water reporting Ministry of the Environment — Department of Water Protection	
Czech Republic	Czech Environmental Information Agency	Czech Statistical Office		
Denmark	rk National Environmental Statistics Denmark Research Institute		Ministry of the Environment, National Environmental Research Institute, Geological survey of Denmark and Greenland	
Estonia	Estonian Environment Information Centre	Statistics Estonia	Ministry of the Environment	
Finland	Finnish Environment Institute	Environmental Administration	Environmental Administration	
The former Yugoslav Republic of Macedonia	Ministry of Environment and Physical Planning	State Statistical Office	Ministry of Environment and Physical Planning	
France	Ministry for Ecology, Sustainable Development, Transportation and Housing	Service of Observation and Statistics (SOeS)	EauFrance	
Georgia	Ministry of Environment Protection and Natural Resources	National Statistics Office	Ministry of Environment Protection and Natural Resources	
Germany	Federal Environment Agency (with important input from the Federal states)Federal Statistical Office (with important input from the Federal states)		Federal Environment Agency, Federal Environment Ministry (with important input from the Federal states)	
Greece	Ministry of Environment, Physical Planning and Public Works	National Statistical Service of Greece	National Technical University of Athens	
Hungary	Ministry of Rural Development	Hungarian Central Statistical Office	Ministry of Rural Development, Hungarian Central Directorate for Environment and Water, VITUKI	
Iceland	Ministry for the Environment	Statistics Iceland	Environment Agency	
Ireland	Environmental Protection Agency	Central Statistics Office	Environmental Protection Agency	

Country	Organisations producing SoE assessments	Statistical yearbook	Water reporting	
Italy	Ministry for the Environment	Italian National Institute of Statistics	Italian National Institute of Statistics	
Kazakhstan	Ministry of Environmental Protection	Agency for Statistics	Ministry of Environmental Protection	
Kosovo under UNSCR 1244/1999	Environmental Protection Agency		Water and waste regulatory office	
Kyrgyzstan	State Agency for Environmental Protection and Forestry	National Statistical Committee	State Committee on Water Resources and Melioration	
Latvia	Latvian Environment, Geology and Meteorology Centre	Central Statistical Bureau of Latvia	Latvian Environment, Geology and Meteorology Centre	
Liechtenstein	Liechtenstein National Administration	Office of Statistics	Environmental Protection Agency	
Lithuania	Environmental Protection Agency	Statistics Lithuania	Environmental Protection Agency	
Luxembourg	Ministry for the Environment	National Institute of Statistics and Economic Studies of the Grand Duchy of Luxembourg	Administration of water management	
Malta	Malta Environment and Planning Authority	National Statistics Office	Malta Environment and Planning Authority	
Moldova	Ministry for the Environment	National Bureau of Statistics	Ministry for the Environment	
Montenegro	Environmental Protection Agency	Statistical Office	Environmental Protection Agency	
Netherlands	Netherlands Environmental Assessment Agency	Statistics Netherlands	Netherlands Environmental Assessment Agency	
Norway	State of the Environment Norway	Statistics Norway	Ministry of Environment	
Poland	Chief Inspectorate for Environmental Protection	Central Statistical Office	Ministry of the Environment, National Water Management Authority, Chief Inspectorate for Environmental Protection	
Portugal	Ministry of Environment and Spatial Planning	Statistics Portugal	Water Institute	

Country	Organisations producing SoE assessments	Statistical yearbook	Water reporting	
Romania	mania Ministry of Environment National Statistical and Forests Institute		Ministry of environment/water department	
Russian Federation	Ministry of Natural Resources and Environment	Federal State Statistics Service	Ministry of Natural Resources and Environment	
Serbia	Ministry for the Protection of the Natural Resources and Environment	Statistical Office	Ministry of Agriculture, Forestry and Water Management	
Slovak Republic	Ministry of the Environment, Slovak Environmental Agency	Statistical Office of the Slovak Republic	Ministry of the Environment, Water Research Institute, Slovak Hydrometeorological Institute, Slovak Environmental Agency, Public Health Authority of the Slovak Republic	
Slovenia	Ministry of the Statistical Office of the Environment and Spatial Republic of Slovenia Planning		Slovenian Environment Agency	
Spain	Ministry of Environment and Rural and Marine Affairs	and Rural and Marine Institute		
Sweden	Swedish Environmental Protection Agency	Statistics Sweden	Geological Survey of Sweden	
Switzerland	Federal Office for the Environment	Federal Statistical Office	Federal Office for the Environment	
Tajikistan	Committee for Environmental protection	Statistical Agency	State Hydrometeorology Agency	
Turkey	Ministry of Environment and Urbanisation	Turkish Statistical Institute	Ministry of Forestry and Water Works	
Turkmenistan	Ministry for the Protection of Nature	State Committee of Turkmenistan on Statistics	Ministry for the Protection of Nature	
Ukraine	Ministry of Environment and Natural Resources of Ukraine	State Statistics Committee	Ministry of Environment and Natural Resources of Ukraine	
United Kingdom	Department for Environment, Food and Rural Affairs	Office for National Statistics	Department for Environment, Food and Rural Affairs	
Uzbekistan	State Committee for Nature Protection	State Statistics Committee	State Committee for Nature Protection	

Country	FAO Water Management	FAO-Aquastat	UNCSD freshwater profile	Water Wiki	GEMS-Water
Albania	x			x	
Armenia	x	x		x	
Austria		x	x	x	2000
Azerbaijan	x	x		x	
Belarus	x	x		x	
Belgium		x	x	x	2004
Bosnia and Herzegovina	x			x	
Bulgaria	x	x	x	x	
Croatia	x			x	
Cyprus	x	x		x	
Czech Republic	x	x	x	x	
Denmark	x	x		x	2001
Estonia		x		x	
Finland		x	x	x	2002
The former Yugoslav Republic of Macedonia			x	x	
France	x	x		x	2002
Georgia	x	x		x	
Germany	x			x	2002
Greece		x	x	x	2000
Hungary		x	x	x	2000
Iceland	x			x	
Ireland	x	x		x	2001
Italy	x	x		x	2000
Kazakhstan	x	x		x	
Kosovo under UNSCR 1244/1999				x	

Annex 2.2 Overview of international organisations involved in environmental assessments

Country	FAO Water Management	FAO-Aquastat	UNCSD freshwater profile	Water Wiki	GEMS-Water
Kyrgyzstan	x	x	•	x	
Latvia				x	
Liechtenstein		x		x	
Lithuania		x	x	x	2002
Luxembourg				x	2000
Malta	x			x	
Moldova				x	
Montenegro	x		x	x	
Netherlands	x	x		x	1996
Norway	x		x	x	1996
Poland		x		x	2002
Portugal		x		x	2001
Romania	x	x	x	x	
Russian Federation	x	x	x		2004
Serbia	x		x	x	
Slovak Republic	x		x	x	2004
Slovenia	x		x	x	
Spain		x		x	2001
Sweden		x		x	2001
Switzerland	x			x	2003
Tajikistan	x	x		x	
Turkey		x	x	x	2003
Turkmenistan	x	x	x	x	
Ukraine	x	x	x	x	
United Kingdom		x	x	x	2003
Uzbekistan	x	x	x	x	

Note: FAO Water Management country profiles, see the individual countries. Available at http://www.fao.org/ countryprofiles/index.asp?lang=en&iso3=ALB&paia=4.

FAO-Aquastat available at http://www.fao.org/nr/water/aquastat/main/index.stm.

UNCSD freshwater profile (freshwater and sanitation) available at http://www.un.org/esa/dsd/dsd_ aofw_ni/ni_indecsdthemprof.shtml#water.

Water Wiki http://waterwiki.net/index.php/Countries#Europe_and_CIS.

GEMS/Water status of participating countries http://www.gemswater.org/global_network/statistical_summary.html.

Annex 2.3 Overview of years in which environmental performance reviews were conducted by OECD and UNECE

Country	OECD			UNECE		
	Latest EPR	Previous EPR	Earlier EPR	Latest EPR	Previous EPR	
Albania					2002	
Armenia					2000	
Austria	2003	1995				
Azerbaijan				2010	2003	
Belarus	1997			2005		
Belgium	2007	1998				
Bosnia and Herzegovina				2010	2004	
Bulgaria	1996			2000		
Croatia					1999	
Cyprus						
Czech Republic	2005	1999				
Denmark	2007	1999				
Estonia				2001	1996	
Finland	2009	1997				
The former Yugoslav Republic of Macedonia				2011	2002	
France	2005	1997				
Georgia				2010	2003	
Germany	2001	1993				
Greece	2009	2000				
Hungary	2008	2000				
Iceland	2001	1993				
Ireland	2009	2000				
Italy	2002	1994				
Kazakhstan				2008	2000	

Country	OECD	DECD UNECE			
	Latest EPR	Previous EPR	Earlier EPR	Latest EPR	Previous EPR
Kosovo under UNSCR 1244/1999					
Kyrgyzstan				2009	2000
Latvia	9 · · · · · · · · · · · · · · · · · · ·			1998	
Liechtenstein					
Lithuania				1998	
Luxembourg	2009	2000			
Malta					
Moldova				2005	1998
Montenegro				2007	
Netherlands	2003	1995			
Norway	2011	2001	1993		
Poland	2003	1995			
Portugal	2011	2001	1993		
Romania				2001	
Russian Federation	1999				
Serbia				2007	
Slovak Republic	2011	2002			
Slovenia	2011			1997	
Spain	2004	1997			
Sweden	2004	1996			
Switzerland	2007	1998			
Tajikistan				2011	2004
Turkey	2008	1999			
Turkmenistan				2011	
Ukraine				2007	1999
United Kingdom	2002	1994			
Uzbekistan				2009	2001

Chapter 3

Annex 3.1 Green economy — What does it mean?

Green economy	Green economy			
(Priority area)				
Renewable energy	 Explanation Energy which is naturally replenished and comes from natural resources such as sunlight, wind, freshwater, tides or geothermal heat. Relevance to green economy Different parts of the world have a competitive advantage in different renewable energy technologies, depending on geography, climate, etc. In addition, many governments offer subsidies or incentives for renewable energy generation, and there are national/regional renewable energy/greenhouse gas reduction targets that drive investment in this area. 			
	 Examples of assessments The European Renewable Energy Council reports renewable energy generation and other statistics for EU-27 countries (EREC, 2011). 			
	• In Germany, electricity from renewable sources is supported through a feed-in tariff and electricity from renewable sources is given priority connection to the grid. The Renewable Energy Sources Act aims to increase the proportion of renewable energy sources in total energy supply to at least 30 per cent by 2020 and to continuously increase this proportion thereafter (BMU, 2010).			
	• The Czech government's most recent national report on electricity and gas industries covers progress in 2009 (The Czech Republic's National Report on the Electricity and Gas Industries for 2009, 2010).			
	 The UK renewable energy strategy sets out how the sector's role in meeting ambitious greenhouse gas reduction targets (DECC, 2011). 			
Energy efficiency	 Explanation Changes in behaviour and technology that lead to reductions in amount of energy required to provide products and services. Relevance to green economy As with other aspects of resource efficiency, doing 'more with less' reduces environmental impacts, enhances competitiveness and provides opportunities for growth. Initiatives are often driven by carbon reduction targets or concerns over energy security. 			
	 Examples of assessments The European Union has a target to reduce annual energy consumption by 20 per cent by 2020 (EC, 2011). In Georgia, a review of energy efficiency potential and policy options has highlighted a range of drivers, including potential EU membership and positive 			
	impacts on economic and social development (USAID, Georgia, 2008).Energy Efficiency in Russia: Untapped Reserve (World Bank/Russia, 2008).			
	Energy Efficiency in Poland in years 1998-2008 (Central Statistical Office, Warsaw, 2010).			

Mobility	Explanation The environmental impacts of transport, including air quality, emissions, nois
	Relevance to green economy Essentially related to the reduction in pollution of different media, which has beneficial impacts on health, welfare and productivity.
	 Examples of assessments 51 out of the 56 UNECE member countries are Parties to the 1979 Convention on Long-range Transboundary Air Pollution. A 2010 Review presents prograte to date in implementing the Convention across the UNECE region (CEIPT, 2010).
	• The Netherlands has assessed the Traffic emissions of carbon and organic carbon (PBL, 2009).
	Annual Report of Air Pollution 2009 (Greece, Ministry of Environment, Ener and Climate Change).
	• Trends in Air Quality in Germany (Umweltbundesamt, For our Environmer 2009).
Industry	Explanation Emissions, waste and resource use from industrial production and processes.
	Relevance to green economy Relative reductions in emissions and waste are associated with efficiency improvements, innovation, improved environmental quality and public healt benefits.
	Examples of assessments • Steady as she goes: Norway's strategy for environmentally friendly growth in maritime industry (Norwegian Ministry of Trade and Industry, 2007).
	 Study of municipal waste management in Hungary 2010 (KVVM, 2010).
Innovation	Explanation Any change that renews or improves a product or process.
	Relevance to green economy Environmental or eco-innovation is now widely used as a means of reducing the environmental impacts from economic activity.
	 Examples of assessments The OECD has developed a workstream on the links between eco-innovation in industry and green growth, with examples from a number of member countries (OECD, 2011a).
	 Innovation for a Green Economy — Environment and Technology: A win-win story (EPA, Ireland, 2009).
	Environmental Technologies and Eco-Innovation in the Czech Republic (CENIA, 2009).

Environmental Impact	Explanation Environmental or strategic impact assessment.
Assessment / Strategic Impact Assessment	Relevance to green economy These policymaking tools are widely used to measure the environmental impacts of a decision or policy change.
(EIA/SIA)	Examples of assessments • UNEP manual on integrated environmental assessment and reporting (UNEP, 2008).
	• The 1991 Espoo Convention on EIA in a Transboundary Context applies to all UNECE members. It sets out obligations to assess the environmental impact of activities at an early planning stage and to consult each other on projects that have a significant adverse environmental impact across boundaries (UNECE, 2006).
Governance	Explanation Institutional arrangements, multilateral agreements, etc.
	Relevance to green economy The structures, institutions and governing bodies that are required to develop, implement and enforce the policies designed to move towards a green econom
	Examples of assessments The Changing Wealth of Nations (World Bank, 2011).
	Beyond Rio+20: Governance for a Green Economy (International Institute for Sustainable Development, 2011).
	Environmental Governance in the Context Of Green Growth In Eastern Europe, Caucasus and Central Asia: Main Policy Conclusions (OECD, 2011b).
Corporate social responsibility (CSR) and environmental	Explanation All voluntary and self-regulating mechanisms in the private sector designed to ensure active compliance with spirit of the law, ethical standards, and international norms.
reporting	Relevance to green economy The triple bottom line of people, planet and profit is the axiom most commonly identified with CSR and environmental reporting. It includes actions that encourage a positive impact through activities on the environment, consumers employees, communities, stakeholders and other.
	 Examples of assessments In Greece, the Hellenic network for CSR seeks to promote the concept of CSR and visibility to both the business and the social environment, with a view to achieving balanced and sustainable earnings growth (Hellenic Network for Corporate Social Responsibility, 2011).
	Reporting environmental information in annual reports: Analysis of legal requirements in the Nordic countries (Norden, 2008).
	• Carbon Disclosure Project, a forum for measuring and disclosing greenhouse gas emissions, water use and climate change strategies (Carbon Disclosure Project, 2011).

Futures and scenarios	Explanation Vulnerability, opportunities, competitiveness and migration.
	Relevance to green economy
	These are emerging or future issues that will impact, either positively or negatively, on the ability of a country or region to develop a green economy.
	Examples of assessments The pan-European environment: glimpses into an uncertain future (EEA, 2007).
	 In Ireland, Future Skills Needs of Enterprise within the Green Economy identifies 6 sub-sectors as having business/employment growth potential, including renewables and green ICT applications (Expert Group on Future Skills Needs, 2010).
	Baltic 21 Triennial report (Baltic 21, 2009).
	• EEA megatrends 2010 report, analysis of 11 global megatrends, with links to Europe's priority environmental challenges, and reflections on possible implications for policymaking (EEA, 2010).
Mining	Explanation Extraction of valuable minerals or other geological, non-renewable material from the earth.
	Relevance to green economy Virtually any material that cannot be grown or created artificially has to be mined, creating potential negative impacts on the environment.
	Examples of assessments
	• UNDP programme for pioneering a green economy is supporting the transformation of abandoned mines in Balkans as eco-tourism hubs (UNDP, 2011).
	 Mining and environment in the Western Balkans (Environment and Security Initiative, 2011).
esource efficiency	
Use of natural capital	Explanation Forestry, agriculture, urbanisation and other human activities leading to use and degradation of land, soil, water and biodiversity.
	Relevance to green economy Natural capital can be used more efficiently (resource efficiency), but it can also be degraded, leading to reduced welfare and environmental legacy issues such as pollution.
	Examples of assessments • GLOBE international natural capital initiative (Globe International, 2011).
	• The Economics of Ecosystems and Biodiversity: Mainstreaming the Economic of Nature (2010) (TEEB, 2010).
	UK National Ecosystem Assessment (UK NEA, 2011).
	 Resource consumption of Germany — indicators and definitions (Umweltbundesamt, 2008).
	 Natural resource consumption of Finnish households (Finland's environmental administration, 2008).
	Forests and Climate Change in Eastern Europe and Central Asia (FAO, 2010).

Water efficiency	Explanation Per unit reductions in the amount of water used in industrial, rural and urban areas.
	Relevance to green economy Doing 'more with less' reduces environmental impacts, enhances competitiveness, gives opportunities for growth. Initiatives are often driven by carbon reduction targets or concerns over energy security.
	 Examples of assessments The efficient use of water in agriculture in Central Asia has been supported by the World Bank. The work recognises that water availability is a major challenge and that agriculture in the region is dependent on irrigation (World Bank, 2009).
	 The efficiency of the water supply in Croatia (Institute for Public Finance, 2008). Food and drink sector Federation House 2020 commitment (FHC2020, 2009).
Life-cycle analysis (LCA)	Explanation Full account of environmental impacts of producing, supplying, consuming and disposing of a good or service, whether these are within national borders or elsewhere.
	Relevance to green economy Broadens the interpretation of resource to bring in consideration of environmental impacts prior to production (beginning with raw material extraction) and following consumption (to disposal).
	 Examples of assessments Guidelines for social life cycle assessment of products (UNEP, 2009) (The Dutch sustainable trade initiative seeks to mainstream the social and ecological sustainability of commodity supplies from emerging markets to the Netherlands and Western Europe. It includes analysis of the life cycle impacts of a range of goods, including timber, cocoa and tea (IDH, 2011).
	• Life cycle analysis applied to first generation biofuels consumed in France (Ministry of Agriculture, 2010).

Environmental accounting	Explanation Valuation of natural capital and financial instruments such as green taxes, trading schemes, charges and levies.
	Relevance to green economy Environmental accounting tools are used to bring non-market (environmental goods and services into decision-making, providing incentives to producers and consumers.
	Examples of assessments
	• Use of economic instruments in environmental policy (UNEP, 2004).
	Environmental statistics and accounts in Europe (Eurostat, 2010).
	• The EU Emissions Trading System is a cornerstone of the EU's policy to combat climate change and its key tool for reducing industrial greenhouse gas emissions cost-effectively. It is the first and biggest international schem for the trading of greenhouse gas emission allowances, the EU ETS covers some 11 000 power stations and industrial plants in 30 countries (EC, 2010a
Sustainable consumption and production	Explanation Reducing environmental impacts while improving or maintaining economic outputs.
(SCP)	Relevance to green economy Generally takes a broader life cycle approach than other interpretations of resource efficiency.
	 Examples of assessments The European Commission has a number of examples of green public procurement, including an energy self-sufficient primary school in Malta and green city administration vehicles in Slovenia (EC, 2010b).
	• Time for action: towards sustainable consumption and production in Europe (EEA, 2008).
	Sustainable Consumption: Examples from Germany (Umweltbundesamt, 2006).
	Getting more and better from less — Proposals for Finland's national programme to promote SCP (Committee on Sustainable Consumption and Production, 2005).
Tourism	Explanation The greening of the travel and tourism sector.
	Relevance to green economy Green tourism creates opportunities for new jobs, resource efficiency and poverty reduction.
	 Examples of assessments Turismo de Portugal Sustainability Report 2009 (MEID, 2009).

Note: The two priority areas 'innovation' and 'mining' were added by the EEA.

Annex 3.2 Key aspects of assessments in priority areas

economy	
(Priority area)	
Renewable energy	Number and frequency of assessments A large number of assessments produced at least annually (some more frequent)
	Size and type of assessments Range from high-level (e.g. per cent of total energy from renewables) to detail breakdown of energy by type (heat, transport, electricity) and technology (e.g. wind, wave, biomass)
	Main developments Assessments in this area have been increasing rapidly in number, level of det and frequency. Goals and targets are often defined.
	Basis of assessments Generally based on comprehensive and audited data provided by governmer and/or private sector
	Geographical aspects All countries covered but most comprehensive in Northern and Western Europe. Balkans and new EU Member States more patchy.
Energy efficiency	Number and frequency of assessments Most assessments look at the background to or scope for energy efficiency
÷	Size and type of assessments Range from short overview assessments and factsheets to detailed long-term strategies, with consideration of progress, barriers, opportunities, etc.
	Main developments Increasingly linked to wider resource efficiency, behaviour (sustainable consumption), green growth (economic growth without increasing GHG emissions or air pollution) and life-cycle analysis
	Basis of assessments Past consumption based on energy consumption time series data. Future consumption based on international comparisons, technological changes, GDP growth, etc.
	Geographical aspects Well established in most areas, with increasingly detailed assessments from Western Balkans and new EU Member States
Innovation	Number and frequency of assessments Very few and far between, often led by pan-regional organisations
	Size and type of assessments Ad-hoc
	Main developments Linked to economic recovery and growth (Lisbon agenda). Generally applied to 'traditional' areas, e.g. transport, energy
	Basis of assessments Identification of opportunities for GDP growth and job creation
	Geographical aspects

Mobility	Number and frequency of assessments Good number of annual and <i>ad-hoc</i> assessments
	Size and type of assessments Range of high-level strategies, annual progress reports and action plans
	Main developments Most focus on transport (modes, behaviour, road pricing, integrated transport systems, etc.) and air pollution (especially links to emissions and climate change)
	Basis of assessments Mostly air quality measurements (with comprehensive range of indicators) and transport patterns (e.g. freight demand, car use). Very little on noise
	Geographical aspects Focused on heavily developed countries
Industry	Number and frequency of assessments Good number of annual and <i>ad-hoc</i> assessments
	Size and type of assessments Breakdown of waste types (e.g. hazardous, non-hazardous) and pollution sources (Assessments on emissions are generally part of energy sector reports, where industry is one of many sectors).
	Main developments Increasingly considering solutions and policy responses, e.g. domestic waste charging, separation systems. Also life cycle, cradle to grave assessments and new opportunities, e.g. waste as renewable energy source
	Basis of assessments Robust and comprehensive data from industrial sectors
	Geographical aspects All areas well covered
EIA/SIA	Number and frequency of assessments Very few
	Size and type of assessments Undertaken by pan-regional bodies and often applied to transboundary issues
	Main developments Compliance with International conventions(especially re transboundary issues and guidance from European Commission and others
	Basis of assessments Questionnaires completed by participating countries
	Geographical aspects All countries covered by legislation and using EIA, but very few specific assessments

Governance	Number and frequency of assessments Very few
	Size and type of assessments Strategic think pieces or proposals by pan-regional bodies
	Main developments Futures and scenarios (e.g. vulnerability of poorer regions to environmental degradation and loss of natural capital, opportunities arising from improved environmental protection and the socio-economic effects of migration due to climate change and other factors
	Basis of assessments Generally based on in-depth but <i>ad-hoc</i> reviews of national institutional arrangements
	Geographical aspects Focused on emerging or transitional economies
CSR and environmental	Number and frequency of assessments Large number of regular and <i>ad-hoc</i> assessments
reporting	Size and type of assessments Large variation from public and non-public organisations
	Main developments Often at cutting edge, with integrated assessments coming to the fore
	Basis of assessments Generally based on primary data from industry or trade associations
	Geographical aspects Most coverage in Northern and Western Europe
Futures and scenarios	Number and frequency of assessments Very few specific assessments, though most assessments consider future challenges
	Size and type of assessments A range, from high level to in-depth and from different regional, national and non-public bodies
	Main developments Climate change, migration Regional organisations often talk about developing new partnerships and extending geographical scope
	Basis of assessments Often trend-based, but increasingly focused on forecast and complex probabilistic scenarios (e.g. for climate change)
	Geographical aspects Good coverage in all regions

Mining	Number and frequency of assessments Reasonably comprehensive
	Size and type of assessments Range of organisations involved, including regional, national and non-public bodies
	Main developments Increasingly concerned with rehabilitation following mine closure (e.g. contaminated water, tailings management)
	Basis of assessments International good practice principles
	Geographical aspects Focused on countries with significant ongoing mining industries, or with legacy issues
Resource efficiency	

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Use of natural capital	Number and frequency of assessments Comprehensive assessments are largely limited to occasional, high-level and international issues
	Size and type of assessments Mainly strategic documents and think pieces at global level, and sector focused (e.g. forestry) at national level
	Main developments Increasingly recognised as a means of bringing environmental assets into mainstream decision-making and improving protection of natural resources. Terminology still evolving, with some assessments including finite natural resources (e.g. oil)
	Basis of assessments Robust and comprehensive time series data on material stocks and flows in key sectors
	Geographical aspects Content of assessments largely reflects extent of primary industry in country (e.g. forestry, mining, fishing)
Water efficiency	Number and frequency of assessments Increasing in number but <i>ad-hoc</i> rather than planned or programmed
	Size and type of assessments Mainly sector based (most on industrial or domestic consumption, less in rural areas) and varying in level of detail
	Main developments Consider broader issues (availability, affordability, appropriate water pricing). Increasingly interested in water footprint (embedded water) and re-use
	Basis of assessments Lots of reports from environment agencies, private and third sectors covering water use, stress, abstraction, efficiency, etc.
	Geographical aspects Most common in water scarce and well-developed countries

LCA	Number and frequency of assessments Very few and far between. Often rather narrow and specific (e.g. recycling or minimising waste)
	Size and type of assessments Application of LCA to specific sectors, products or topics
	Main developments Still developing methodologies and guidelines for assessing LCA (e.g. carbon and water footprint of imported products)
	Basis of assessments Bottom-up approaches based on consumption and production patterns for products and services
	Geographical aspects Poor coverage in all areas
Environmental accounting	Number and frequency of assessments Very sparse, mainly focused on high-level concepts and principles
	Size and type of assessments Mainly regional national attempts to stimulate debate
	Main developments Some sectors (e.g. forests) better understood and covered than others (e.g. soil). Largely focused on developing metrics, e.g. through ecosystem services approach
	Basis of assessments Based on economic value of different sectors, plus flows of raw or processed material, also material imports and exports, domestic material consumption per GDP
	Geographical aspects Poor coverage in all areas
SCP	Number and frequency of assessments Gradually increasing in number and range
	Size and type of assessments Cover both regional and national
	Main developments Driven increasingly by national sustainable development strategies and programmes, and focused on specific themes or areas (e.g. public procurement Also decoupling resource use (e.g. energy, material extraction) and environmental pressures (e.g. CO ₂) from economic growth, ecological footprint
	Basis of assessments Generally case study based but including various indicators (e.g. production and consumption by sector, resource consumption, number of companies with ISO 14001 and ISO 9001 certification)
	Geographical aspects Least well developed in Western Balkans, Eastern Europe, Caucasus and Central Asia

Tourism	Number and frequency of assessments Relatively few and infrequent assessments
	Size and type of assessments Generally national, but some regional assessments (e.g. OSPAR Commission)
	Main developments Impacts of tourism on environment (e.g. landtake, demand for water, erosion)
	Basis of assessments Mix of regular, time-series data (e.g. number of establishments and bed spaces, arrivals by country) and project-based info
	Geographical aspects Focused on countries with established tourism sectors