

Module 2: Legal framework and policies in support of the Circular Economy

2.1 International Context

2.2 National Context

2.3 Related Institutions in Albania

Global Facts

- Consumption of materials like **biomass , fossil fuels, metals and minerals** will double by 2060
- **Annual Waste Generation** will increase by 70% in 2050 (2.1 - 3.40 billion tons in year)
- Total greenhouse gas emissions will increase
- **Biodiversity loss and water stress** from resource extraction and processing

EU –Urgent measures must be taken



We have only one planet



**Yet by 2050, the world
will be consuming as if
there were three**

International Context

- **United Nations Sustainable Development Goals (SDGs)**
- **EU-Green Deal – Action Plan of Circular Economy**

SDGs and Circular Economy



SDG 6 Clean Water and Sanitation

Facts:

- 3 out of 10 people lack access to safely managed drinking water
- 3 billion people lack safely managed sanitationmore
- 80 per cent of wastewater in the world flows back into the ecosystem without being treated or reused
- Water related diseases remain among the the main causes **of death to children** below five years old

SDG 6 - Availability and Sustainable Management of Water and Sanitation 2030

6.1 Achieve safe and affordable drinking water

6.2 Achieve access to sanitation and hygiene and end open defecation

6.3 Improve water quality, wastewater and safe reuse

6.4. Increase water-use efficiency and ensure freshwater supplies

6.5 Implement integrated water resources management

6.6 Protect and restore water-related ecosystems

6.a Expand international cooperation and capacity-building

6.b Support stakeholder participation

Circular Economy and SDGs 6.3

- ✓ **Wastewater reuse** (WWTP - irrigation , sewage, toilet flushing, municipality purposes etc.)
- ✓ **Indirect reuse of drinkable water** (WWTP-water resource such as lakes, rivers or groundwaters)
- ✓ **Direct reuse of drinking water** (Water that will be treated and used as a potable water (WWTP – DWTP – DS)
- ✓ **Use of Sludge** (Agriculture , energy production etc.)

Water Utility Pathways
in a Circular Economy





Other Initiatives approved by European Union

The European Green Deal	COM (2019) 640 final 11.12.2019
A new Circular Economy Action Plan - For a cleaner and more competitive Europe	COM (2020) 98 final 11.3.2020
Biodiversity Strategy for 2030 - Bringing nature back into our lives	COM (2020) 380 final 20.5.2020
A Farm to Fork Strategy for a fair, healthy and environmentally friendly food system	COM (2020) 381 final 20.5.2020
Europe's moment: Repair and Prepare for the Next Generation	COM (2020) 456 final 27.5.2020
EU Strategy on Energy System Integration (Followed by 'A hydrogen strategy for a climate-neutral Europe')	COM (2020) 299 final 8.7.2020 COM (2020) 301 final 8.7.2020
Short-term EU health preparedness for COVID-19 outbreaks	COM (2020) 318 final 15.7.2020
Annual Sustainable Growth Strategy – Guidance to Member States Recovery and Resilience Plans	SWD (2020) 205 final 17.9.2020
Improving access to justice in environmental matters in the EU and its Member States (Aarhus)	COM (2020) 643 final 14.10.2020
General Union Environment Action Program to 2030 (8th EAP)	COM (2020) 652 final 14.10.2020
A Renovation Wave for Europe – greening our buildings, creating jobs, improving lives (and statement on the New European Bauhaus)	COM (2020) 662 final, 14.10.2020
EU strategy to reduce methane emissions	COM (2020) 663 final, 14.10.2020
Chemicals Strategy for Sustainability – Towards a Toxic-Free Environment	COM (2020) 667 final, 14.10.2020
New Consumer Agenda – Strengthening consumer resilience for sustainable recovery	COM (2020) 696 final, 13.11.2020
An EU Strategy to harness the potential of offshore renewable energy for a climate neutral Europe	COM (2020) 741 final, 19.11.2020
Pharmaceutical Strategy for Europe (and Update on progress and implementation EU Strategic Approach to Pharmaceuticals in the Environment)	COM (2020) 761 final, 25.11.2020
Sustainable and Smart Mobility Strategy – putting European transport on track for the future	COM (2020) 789 final, 9.12.2020
Forging a climate-resilient Europe – the new EU Strategy on Adaptation to Climate Change	COM (2021) 82 final, 24.2.2021
Pathway to a Healthy Planet for All – Action Plan: 'Towards Zero Pollution for Air, Water and Soil'	COM (2021) xx final, 12.5.2021

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EU Green Deal – Green Agreement (2019-2050)









Action Plan about Circular Economy



- ✓ Sustainable products the norm in the EU
- ✓ Empower consumers and public buyers
- ✓ Focus on **key product sectors**
- ✓ Ensure **less waste**
- ✓ Make circulation work for **people, regions and cities**
- ✓ Lead **global efforts** in circular economy

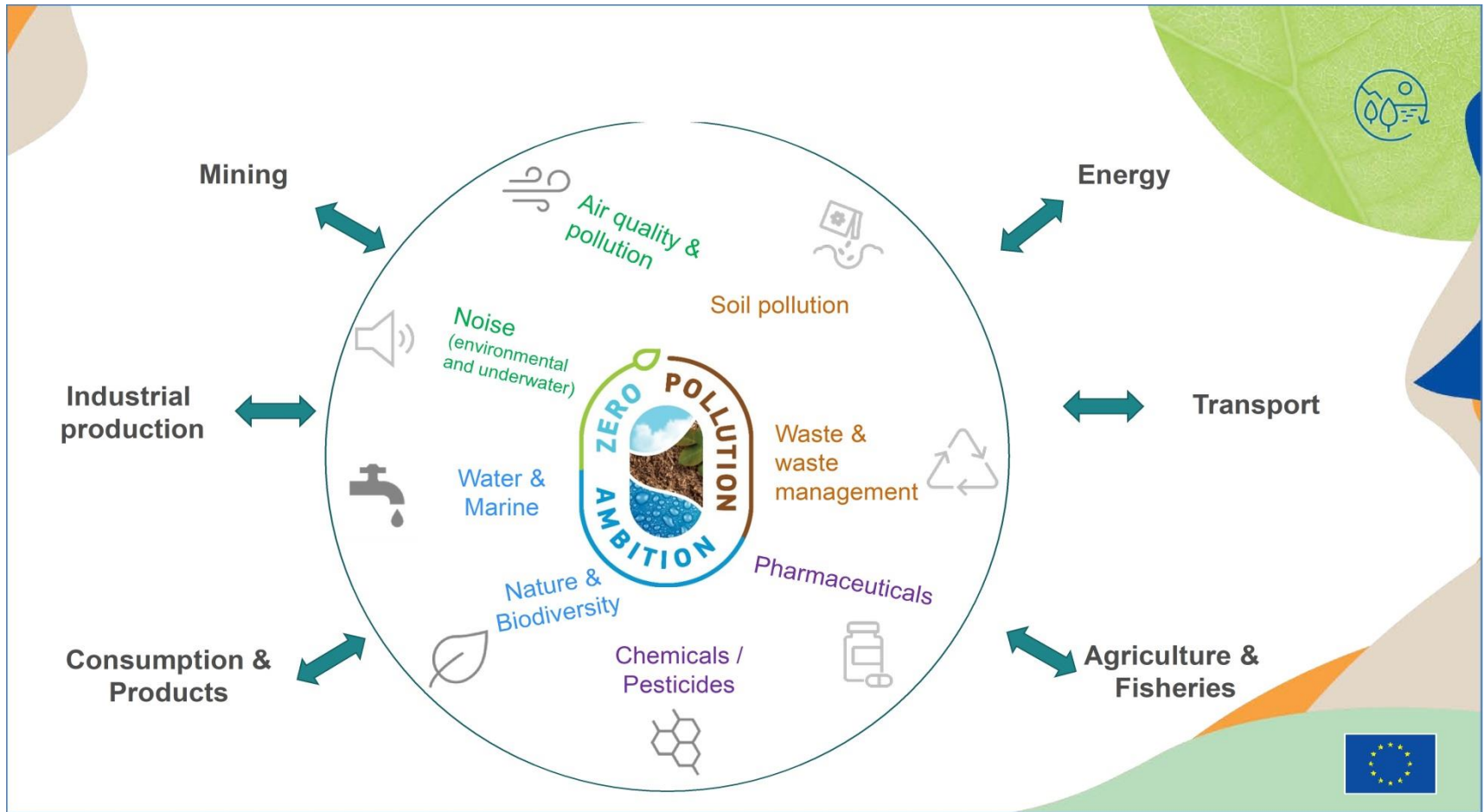
Key Product Value Chains

- ✓ Electronics and ICT 
- ✓ Batteries and the vehicles 
- ✓ Packaging 
- ✓ Plastics 
- ✓ Textiles 
- ✓ Construction and buildings 
- ✓ Food, water and nutrients 

Food , Water and Nutrient

- The new Water Reuse Regulation will encourage circular approaches to **water reuse in agriculture.**
- The commission will facilitate water reuse and efficiency, including in **industrial processes.**
- The Commission will develop an **integrated nutrient management plan,** with the aim of ensuring a more sustainable application of nutrients and stimulating markets for recovered nutrients.
- The Commission will also consider reviewing the **wastewater water treatment and sludge directives**

Zero Pollution Policy – For Air, Water and Land



Beyond water quality — Sewage treatment in a Circular Economy

Beyond water quality —
Sewage treatment in a
circular economy

Sets out considerations for sewage treatment to meet the ambitions of the European Green Deal for 2050, focusing on the opportunities to achieve zero pollution and circularity.



Source: EEA Report <https://www.eea.europa.eu/highlights/making-europes-sewage-treatment-plants>

Progress of EU Countries with Circular Economy

	Municipal waste (per year per person)	Food waste (per year per person)	Municipal recycling rate	Share of goods traded that are recyclable raw materials	Material reuse rate	Patents related to circular economy (since 2000)	Investment in circular economy sectors
Romania	261 kg	76 kg	13%	0.13%	2%	34	€1.1M
Poland	307 kg	247 kg	44%	0.18%	13%	298	€4.7M
Czech Republic	339 kg	81 kg	34%	0.25%	7%	72	-
Slovakia	348 kg	111 kg	23%	0.15%	5%	10	€0.6M
Estonia	376 kg	265 kg	28%	0.26%	11%	3	-
Hungary	379 kg	175 kg	35%	0.23%	5%	36	€0.9M
Croatia	403 kg	91 kg	21%	0.23%	5%	4	€0.6M
Bulgaria	404 kg	105 kg	32%	0.11%	3%	10	€0.5M
Latvia	410 kg	110 kg	25%	0.18%	3%	11	€0.2M
Belgium	420 kg	345 kg	54%	0.22%	17%	105	€2.8M
Sweden	443 kg	212 kg	49%	0.19%	7%	49	€4.1M
Spain	443 kg	135 kg	30%	0.20%	8%	210	€11M
Lithuania	444 kg	119 kg	48%	0.15%	4%	19	€0.4M
Portugal	461 kg	132 kg	31%	0.26%	2%	22	€1.4M
Slovenia	466 kg	72 kg	58%	0.41%	8%	8	€0.5M
United Kingdom	483 kg	236 kg	44%	0.35%	15%	292	€31M
Italy	497 kg	179 kg	45%	0.19%	19%	294	€17.8M
Greece	498 kg	80 kg	17%	0.14%	1%	5	€0.6M
Finland	504 kg	189 kg	42%	0.06%	7%	111	€2M
France	511 kg	136 kg	42%	0.24%	18%	542	€21.3M
Netherlands	520 kg	541 kg	53%	0.17%	27%	169	€5.2M
Ireland	563 kg	216 kg	41%	0.18%	2%	38	-
Austria	564 kg	209 kg	58%	0.32%	9%	122	€3.5M
Luxembourg	614 kg	175 kg	48%	0.97%	11%	24	-
Malta	621 kg	76 kg	7%	0.12%	10%	1	-
Germany	627 kg	149 kg	66%	0.25%	11%	1260	€28.7M
Cyprus	640 kg	327 kg	17%	0.13%	3%	4	€0.1M
Denmark	777 kg	146 kg	48%	0.31%	10%	53	€2.3M

<https://www.politico.eu/article/ranking-how-eu-countries-do-with-the-circular-economy/>

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EU Membership

- Chapter 1: Free movement of goods
- Chapter 2: Freedom of movement for workers
- Chapter 3: Right of establishment and freedom to provide services
- Chapter 4: Free movement of capital
- Chapter 5: Public procurement
- Chapter 6: Company law
- Chapter 7: Intellectual property law
- Chapter 8: Competition policy
- Chapter 9: Financial services
- Chapter 10: Information society and media
- Chapter 11: Agriculture and rural development
- Chapter 12: Food safety, veterinary and phytosanitary policy
- Chapter 13: Fisheries
- Chapter 14: Transport policy
- Chapter 15: Energy
- Chapter 16: Taxation
- Chapter 17: Economic and monetary policy
- Chapter 18: Statistics
- Chapter 19: Social policy and employment
- Chapter 20: Enterprise and industrial policy
- Chapter 21: Trans-European networks
- Chapter 22: Regional policy and coordination of structural instruments
- Chapter 23: Judiciary and fundamental rights
- Chapter 24: Justice, freedom and security
- Chapter 25: Science and research
- Chapter 26: Education and culture
- Chapter 27: Environment and Climate Change**
- Chapter 28: Consumer and health protection
- Chapter 29: Customs union
- Chapter 30: External relations
- Chapter 31: Foreign, security and defence policy
- Chapter 32: Financial control
- Chapter 33: Financial and budgetary provisions
- Chapter 34 - Institutions
- Chapter 35 - Other issues

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Working Group

Chapter 27 "Environment and Climate Change"

Chapter Subchapters / Fields	THE LEADING INSTITUTION	CONTRIBUTING INSTITUTIONS
<p>1. Environment:</p> <ul style="list-style-type: none"> • horizontal legislation • air quality • waste management • water quality • Nature protection • industrial pollution & risk management • chemicals • noise <p>2. Climate change</p>	<p>Ministry of Tourism and Environment</p>	<ul style="list-style-type: none"> • Ministry for Europe and Foreign Affairs • Ministry of Infrastructure and Energy • Ministry of Finance and Economy • Ministry of Health and Social Protection • Ministry of Agriculture and Rural Development • Ministry of Defense • State Inspectorate of Environment and Forests • KKU Technical Secretariat • National Environment Agency • National Protected Areas Agency • National Tourism Agency • National Coastal Agency • The National Agency of Natural Resources • Public Health Institution • National Authority of Food • State Authority for Geospatial Information • Institute of Statistics
<p>AMBU – Water Resource Management Agency, Leads and coordinates work with line ministries about of all integration processes in EU, for the water sector (Reference: VKM no. 221, dated 26.4.2018)</p>		

National strategies, with objectives referring to CE and GD

- ✓ National Strategy for Development and Integration (under preparation) until 2030
- ✓ Water Resources Management Strategy, 2018-2027
- ✓ Water Supply and Sewerage Strategy, 2020-2030
- ✓ Waste Strategy, 2020-2035
- ✓ National Sustainable Energy Strategy, 2018-2030
- ✓ Sewage Sludge Management Strategy, 2020-2050
- ✓ Directive Specific Implementation Plans for DWD &UWWT, 2020-2050

Main Institutions (Wastewater Management)

- WRMA/(4) ZABU
- MIE (AKUM Benchmarking, infrastructure of water, sewerage and waste)
- ERRU (tariffs, licensing , monitoring)
- MTE (NEA , registry , inspectorate , waste policies)
- 61 Municipality - 58 Water Utilities
- SHUKALB
- Association of Municipalities , Consumers, other NGOs
- Accredited national and private laboratories for water and sludge
- Universities / Institutions etc.



Thank you!

GROUP WORK

Group 1: Cellphones/Kejda

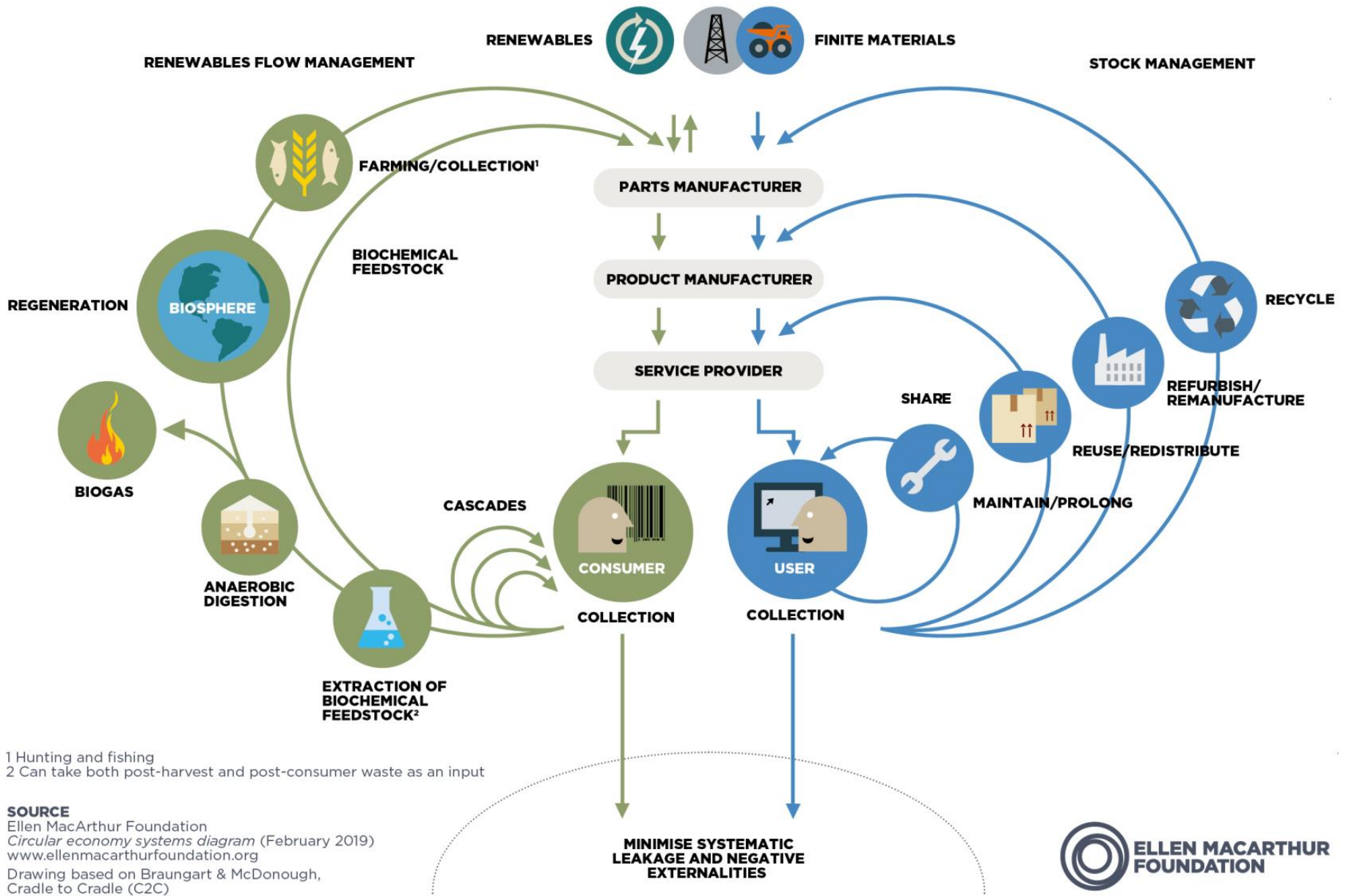


Group 2: Clothing/ Elisabeta



Group 3: Cars/ Arbana





COFFEE BREAK



References

European Commission , [A new Circular Economy Action Plan For a cleaner and more competitive Europe](#)

European Union, Green Deal, <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52019DC0640&from=EN>

European Environmental Centre, [Beyond water quality —Sewage treatment in a circular](#)

United Nation Foundation, https://unfoundation.org/what-we-do/issues/sustainable-development-goals/?gclid=EAlalQobChMItnEM2tOH-QIVmrp3Ch1RQgFeEAYASAAEgKPwFD_BwE

International Water Association, <https://iwa-network.org/water-utility-pathways-circular-economy-charting-course-sustainability/#:~:text=The%20IWA%20framework%20Water%20Utility,now%20for%20the%20circular%20economy>