



KROŽNO GOSPODARSTVO IN PROSTORSKO NAČRTOVANJE OB POTENCIALU POMANJKANJA RAZPOLOŽLJIVIH NARAVNIH VIROV MINERALNIH SUROVIN - IZZIVI IN REŠITVE

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PROJEKT SOFINANCIRA:



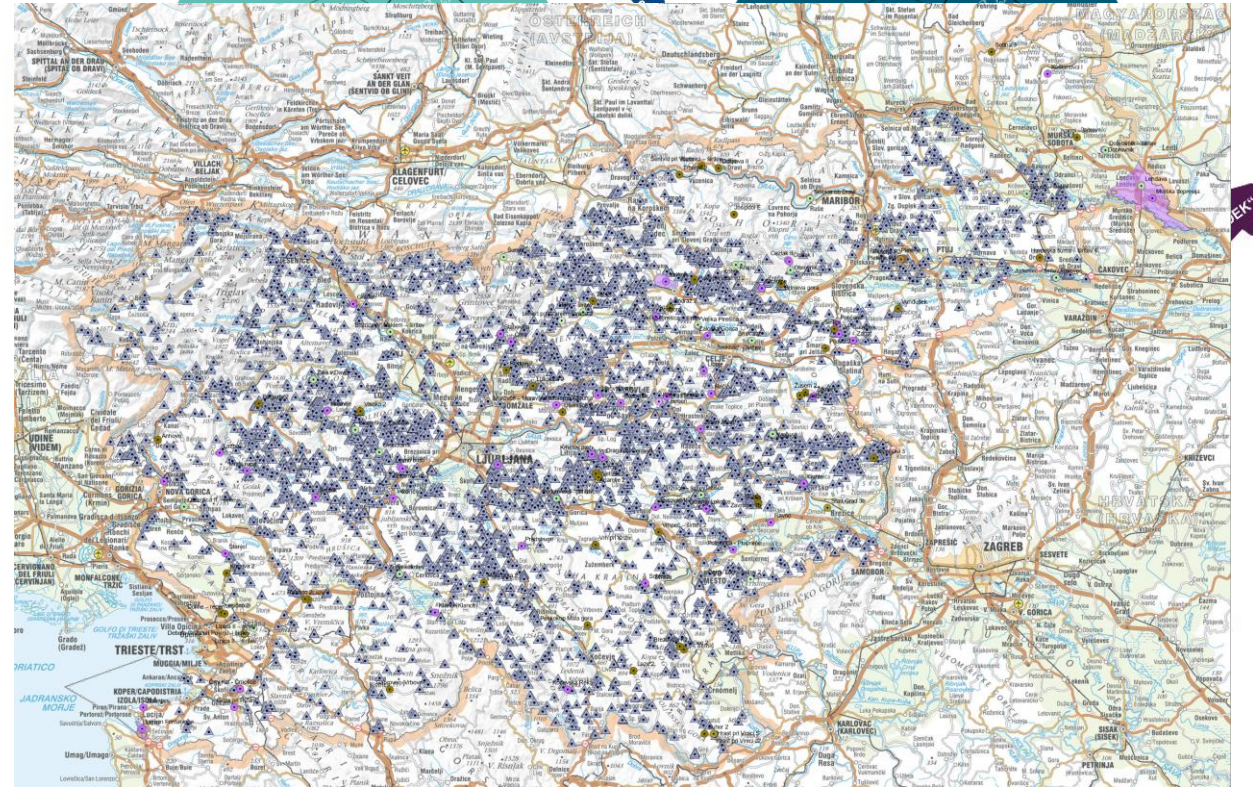
REPUBLIKA SLOVENIJA

MINISTRSTVO ZA NARAVNE VIRE IN PROSTOR



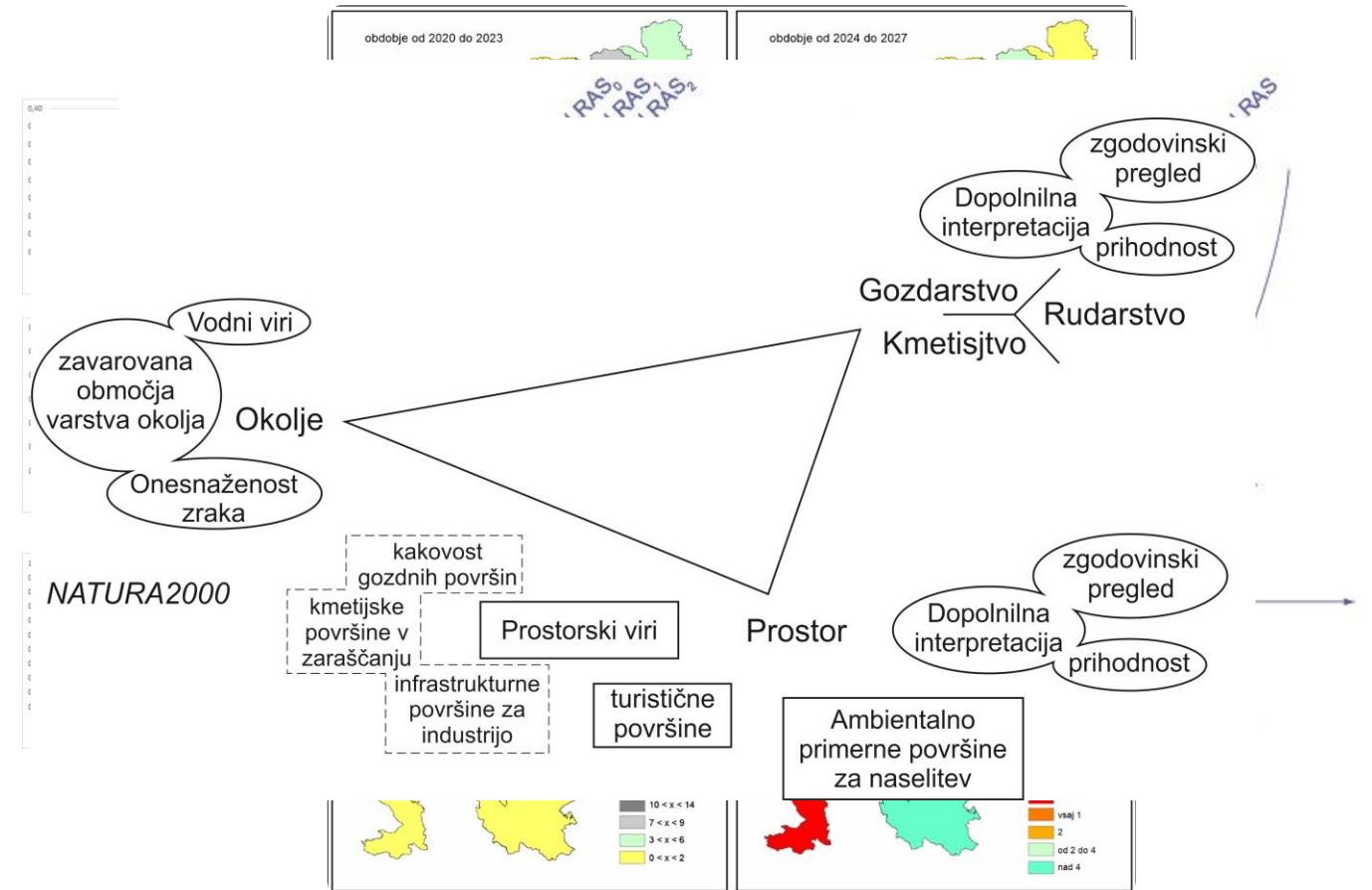
Uvod v krožno gospodarstvo in trajnostno prostorsko načrtovanje

- Osnovni koncept krožnega gospodarstva.
- Krožno gospodarstvo in prostorsko načrtovanje.
- Pregled trenutnega stanja in izzivov.



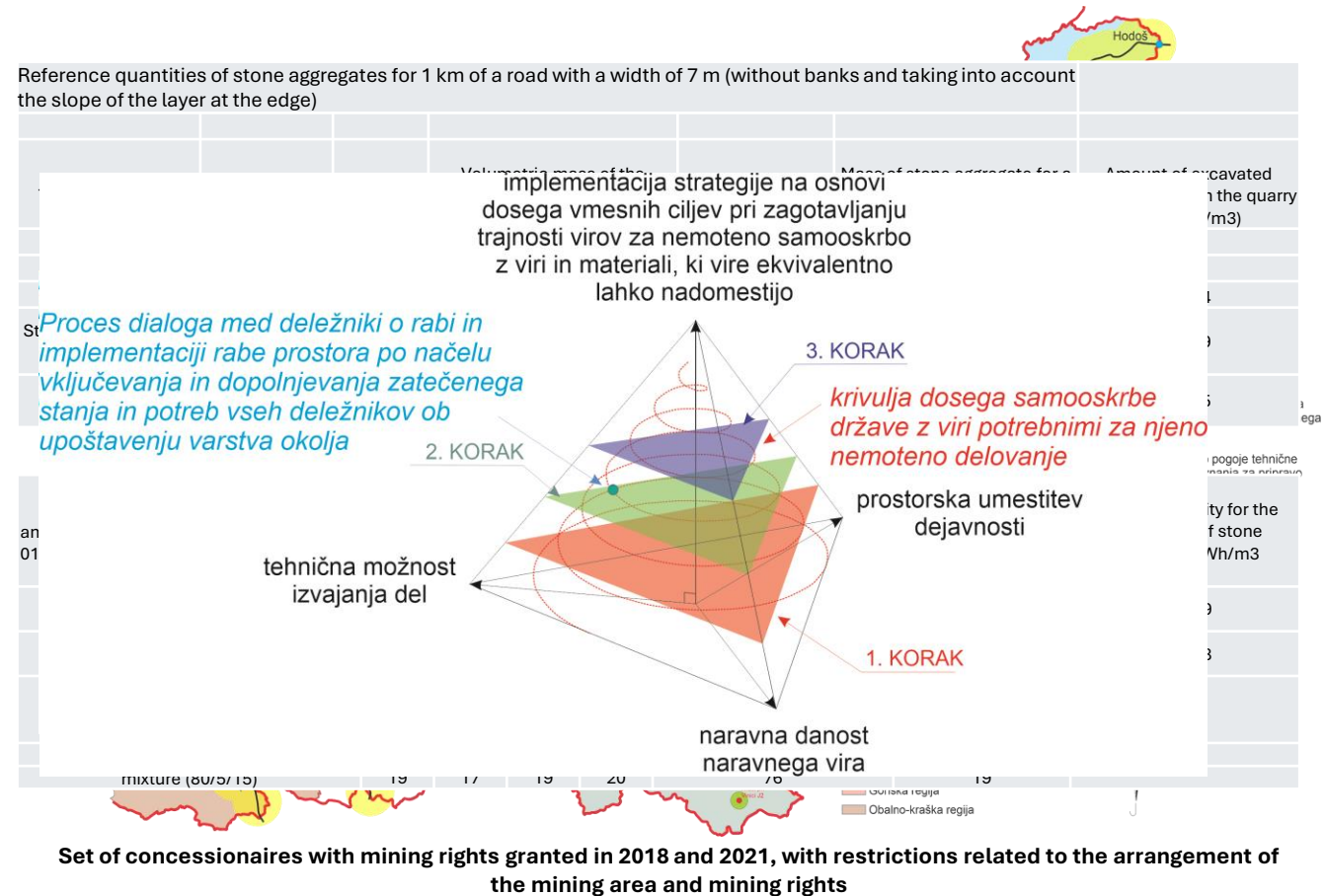
Pomanjkanje mineralnih virov in vplivi na prostorsko načrtovanje

- Vzroki za pomanjkanje mineralnih virov
- Vpliv pomanjkanja mineralnih virov
- Pomen dolgoročnega prostorskega načrtovanja



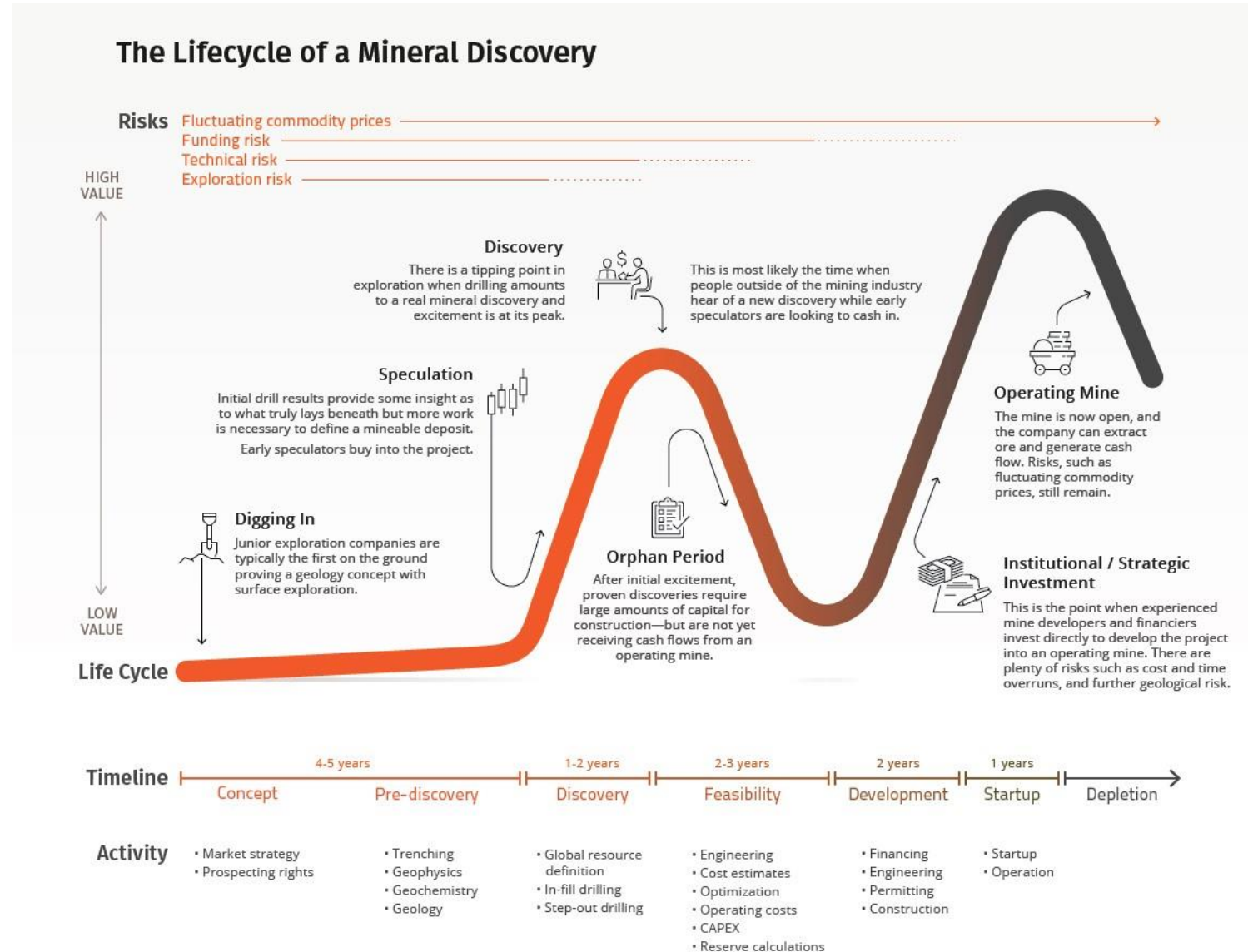
Uporaba recikliranih materialov kot nadomestek za naravne vire

- Poudarek na možnosti uporabe odpadkov
- Izzivi in rešitve pri vzpostavljanju infrastrukture



Integracija krožnega gospodarstva v prostorsko načrtovanje

- Načini, kako lahko krožno gospodarstvo postane sestavni del prostorskih načrtov na lokalni in regionalni ravni.
- Prilagoditve prostorskih načrtov, ki omogočajo vzpostavitev objektov za predelavo odpadkov, skladiščenje recikliranih materialov in trajnostne proizvodne obrate (FMA; *Future mining area*).
- Spodbujanje sodelovanja med občinami, podjetji in drugimi deležniki za razvoj krožnih rešitev na področju gradbeništva.



Pravne in regulativne zahteve



EUROPEAN GREEN DEAL

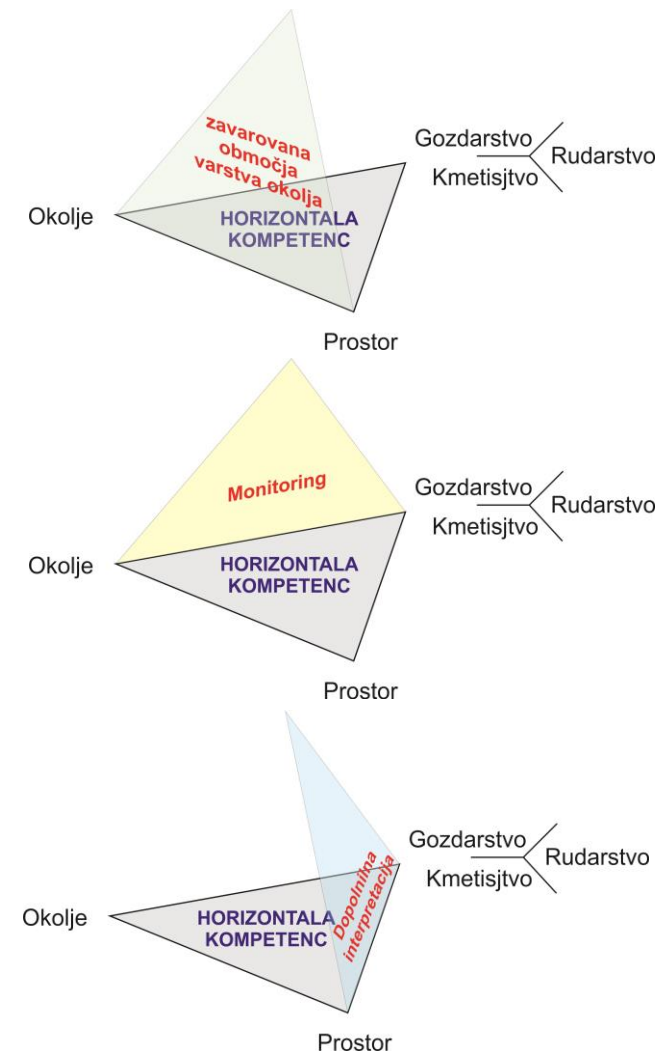
Click on the title link to view the law

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ENERGY	TRANSPORTATION	CLIMATE & EMISSION	LAND & ANIMALS	WATER	CHEMICALS & POLLUTANTS	WASTE	PRODUCTS & MATERIALS	CONSUMER GOODS	REPORTING	FUNDING & SUPPORT
Energy efficiency directive EU 2012/27/EU More on Dutch implementation	Alternative Fuels Infrastructure Regulation EU 2023/1804 More on Netherlands implementation	Ambient Air Quality Directive EU 2008/50/EC More on Dutch implementation	Birds Directive EU 2009/24/EC More on Dutch implementation	Bathing Water Directive EU 2006/70/EC More on Netherlands implementation	Food Contact Materials Regulation EU 2017/2153 More on Dutch implementation	Common Charger Directive EU 2018/1189 More on Netherlands implementation	Batteries Regulation EU 2023/1543 More on Dutch implementation	Air Services Regulation EU 2018/3026 More on Dutch implementation	Aarhus Regulation EU 2023/1544 More on Dutch implementation	Direct Payments Regulation EU 2023/1545 More on Dutch implementation
Energy Labelling Framework Regulation EU 2017/1369 More on Dutch implementation	Clean Vehicles Directive EU 2023/1805 More on Netherlands implementation	Carbon Removals Regulation EU 2023/1806 More on Dutch implementation	Common Agricultural Policy EU 2013/2008 More on Dutch implementation	Common Fisheries Policy EU 2013/2008 More on Dutch implementation	Asbestos Regulation EU 2002/76/EC More on Netherlands implementation	End-of-Life Vehicles Directive EU 2000/54/EC More on Netherlands implementation	Construction Products Regulation EU 2010/180 More on Dutch implementation	Cohesion Policy EU 2013/1702 More on Dutch implementation	Corporate Sustainability Due Diligence Directive EU 2023/1741 More on Dutch implementation	European Agricultural Fund Regulation EU 2023/1546 More on Dutch implementation
Energy Performance of Buildings Directive EU 2010/31/EU More on Netherlands implementation	CO2 Emissions Standards for Cars and Vans Regulation EU 2023/1807 More on Dutch implementation	Effort Sharing Regulation EU 2018/848 More on Dutch implementation	Directive on Protection of Broilers EU 2007/43/EC More on Netherlands implementation	Directive on Harmonized River Information Services EU 2008/84/EC More on Netherlands implementation	Classification, Labelling, and Packaging Regulation EU 2008/1275 More on Dutch implementation	Landfill Directive EU 2012/18 More on Netherlands implementation	Critical Raw Materials Act EU 2023/1547 More on Dutch implementation	Common Markets Organisation Regulation EU 2013/1703 More on Dutch implementation	Corporate Sustainability Reporting Directive EU 2023/1742 More on Netherlands implementation	European Maritime and Fisheries Fund Regulation EU 2023/1548 More on Dutch implementation
Energy Taxation Directive EU 2003/96 More on Dutch implementation	Combined Transport Directive EU 2023/1808 More on Dutch implementation	Emissions Trading System Directive EU 2003/86 More on Netherlands implementation	Directive on Protection of Calves EU 2007/44/EC More on Dutch implementation	Directive on Ro-Ro Passenger Ships EU 2009/18/EC More on Netherlands implementation	Cosmetic Products Regulation EU 2013/1033 More on Dutch implementation	Packaging Directive EU 1994/62 More on Netherlands implementation	Deforestation-Free Products Regulation EU 2023/1549 More on Dutch implementation	Consumer Rights Directive EU 2011/83 More on Netherlands implementation	Directive on Cross-Border Enforcement of Traffic Rules EU 2023/1743 More on Dutch implementation	European Regional Development Fund and Cohesion Fund Regulation EU 2023/1549 More on Dutch implementation
EU Gas Regulation & Directive EU 2023/1809 More on Dutch implementation	CountEmissions EU regulation EU 2023/1810 More on Dutch implementation	Environmental Noise Directive EU 2002/45 More on Dutch implementation	Directive on Protection of Laying Hens EU 2007/45/EC More on Dutch implementation	Drinking Water Directive EU 2003/44 More on Dutch implementation	Detergents Regulation EU 2013/1034 More on Dutch implementation	Recycled Food Contact Materials Regulation EU 2023/1550 More on Dutch implementation	Ecodesign Regulation EU 2019/1782 More on Dutch implementation	Cybersecurity Act EU 2019/881 More on Dutch implementation	Directive on Driving Disqualifications EU 2023/1744 More on Dutch implementation	European Social Fund Plus (ESF+) Regulation EU 2023/1550 More on Dutch implementation
Regulation on the governance of the energy union and climate action EU 2018/1999 More on Dutch implementation	Directive on European Critical Infrastructure Protection EU 2023/1811 More on Netherlands implementation	European Climate Law EU 2023/1812 More on Dutch implementation	Directive on Protection of Pigs EU 2007/46/EC More on Dutch implementation	Environmental Quality Standards Directive EU 2008/83/EC More on Netherlands implementation	Directive on Ship-source Pollution EU 2023/1745 More on Dutch implementation	Ship Recycling Regulation EU 2012/19 More on Dutch implementation	European Accessibility Act EU 2019/927 More on Netherlands implementation	Ecolabel Regulation EU 2018/1828 More on Dutch implementation	Directive on Public Access to Environmental Information EU 2007/60 More on Dutch implementation	General Block Exemption Regulation EU 2023/1551 More on Dutch implementation
Regulation on the digital programme EU 2024/1294 More on Dutch implementation	Directive on Intelligent Transport Systems EU 2023/1813 More on Dutch implementation	Industrial emissions directive EU 2023/1814 More on Dutch implementation	Directive on the Protection of Animals Kept for Farming Purposes EU 2007/60 More on Dutch implementation	Fisheries Control Agency Regulation EU 2013/1035 More on Dutch implementation	Directive on Ship-source Pollution EU 2023/1745 More on Dutch implementation	Single Use Plastics Directive EU 2019/904 More on Netherlands implementation	European Pollutant Release and Transfer Register (E-PRTR) Regulation EU 2013/1036 More on Dutch implementation	Electricity Market Regulation EU 2019/943 More on Netherlands implementation	Directive on Registration Documents for Vehicles EU 2019/1218 More on Dutch implementation	Horizon Europe Regulation EU 2023/1552 More on Dutch implementation
Renewable Energy Directive EU 2018/2001 More on Netherlands implementation	Revision Directive on Roadworthiness EU 2019/1218 More on Dutch implementation	Methane regulation EU 2018/848 More on Dutch implementation	Feed Additives Regulation EU 2010/63 More on Dutch implementation	Fisheries Control Agency Regulation EU 2013/1035 More on Dutch implementation	Fertilising Products Regulation EU 2019/1009 More on Dutch implementation	Waste Electrical and Electronic Equipment (WEEE) Directive EU 2012/19 More on Netherlands implementation	European Pollutant Release and Transfer Register (E-PRTR) Regulation EU 2013/1036 More on Dutch implementation	EU School Scheme EU 2019/1219 More on Dutch implementation	Environmental Crime Directive EU 2003/103 More on Dutch implementation	Horizontal Europe Regulation EU 2023/1553 More on Dutch implementation
Regulation on Gas Storage EU 2023/1815 More on Dutch implementation	Directive on Technical Roadside Inspections of Commercial vehicles EU 2019/1219 More on Dutch implementation	National emissions directive EU 2018/848 More on Netherlands implementation	General Food Law EU 1774/2003 More on Dutch implementation	Fisheries Control Regulation EU 2013/1035 More on Dutch implementation	Fishery Statistics Regulations EU 2013/1036 More on Dutch implementation	Waste Framework Directive EU 2008/98 More on Netherlands implementation	Food Information to Consumers Regulation EU 2013/1037 More on Dutch implementation	Food Information to Consumers Regulation EU 2013/1037 More on Dutch implementation	Environmental Impact Assessment Directive EU 2001/43 More on Netherlands implementation	Horizontal Regulation EU 2023/1554 More on Dutch implementation
Trans-European Networks for Energy (TEN-E) Regulation EU 2023/1816 More on Dutch implementation		Net-zero industry act EU 2023/1817 More on Dutch implementation	Habitats Directive EU 1992/43 More on Dutch implementation						InvestEU Regulation EU 2023/1818 More on Dutch implementation	Just Transition Fund Regulation EU 2023/1819 More on Dutch implementation
		Outdoor Noise directive EU 2002/45 More on Dutch implementation								

Instrument status (as of November 2023):		
IMPLEMENTED This Directive has been implemented into Dutch legislation, while Regulations are not subject to implementation.	ADOPTED European lawmakers have reached consensus on the final version of the proposal, which has been formally adopted following a vote.	UNDER NEGOTIATION The law is currently being negotiated with EU lawmakers.

Instrument referenced in:					
Circular Economy Action Plan	Zero Pollution Action Plan	Biodiversity Strategy	Fit for 55 Package	Farm to Fork Strategy	Sustainable & Smart Mobility Strategy



Zaključek in poziv k ukrepanju

1. Priložnosti za inovacije in nove poslovne modele

- a) Raziskovanje priložnosti za inovativne poslovne modele, ki temeljijo na krožnem gospodarstvu, kot so najemni modeli, obratovanje v zaprtih materialnih zankah in storitveno gospodarstvo.
- b) Tehnološke inovacije, ki omogočajo učinkovitejšo rabo virov, kot so napredni reciklažni procesi, digitalizacija in uporaba BIM (Building Information Modeling).
- c) Podpora raziskavam in razvoju novih materialov, ki omogočajo večjo trajnost in ponovno uporabo.

2. Izdelava trajnostnih strategij za prihodnost

- a) Razvoj dolgoročnih strategij za zmanjšanje odvisnosti od naravnih mineralnih virov z vključitvijo krožnih praks v prostorsko načrtovanje.
- b) Sodelovanje med različnimi deležniki, kot so občine, podjetja, raziskovalne ustanove in lokalne skupnosti, pri oblikovanju celovitih strategij za trajnostno rabo virov.
- c) Predlogi ukrepov, ki jih lahko občine in podjetja sprejmejo za krepitev krožnega gospodarstva in trajnostnega razvoja