

Analiza zahtjeva EU propisa povezanih s korištenjem prostornih podataka

Projektna aktivnost C1 – CROLIS koncept i model podataka
09/06/2025

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REPUBLIKA HRVATSKA
Ministarstvo zaštite okoliša
i zelene tranzicije



AGENCIJA ZA
PLAĆANJA U
POLJOPRIVREDI,
RIBARSTVU I
RURALNOM
RAZVOJU



REPUBLIKA HRVATSKA
Državna geodetska uprava

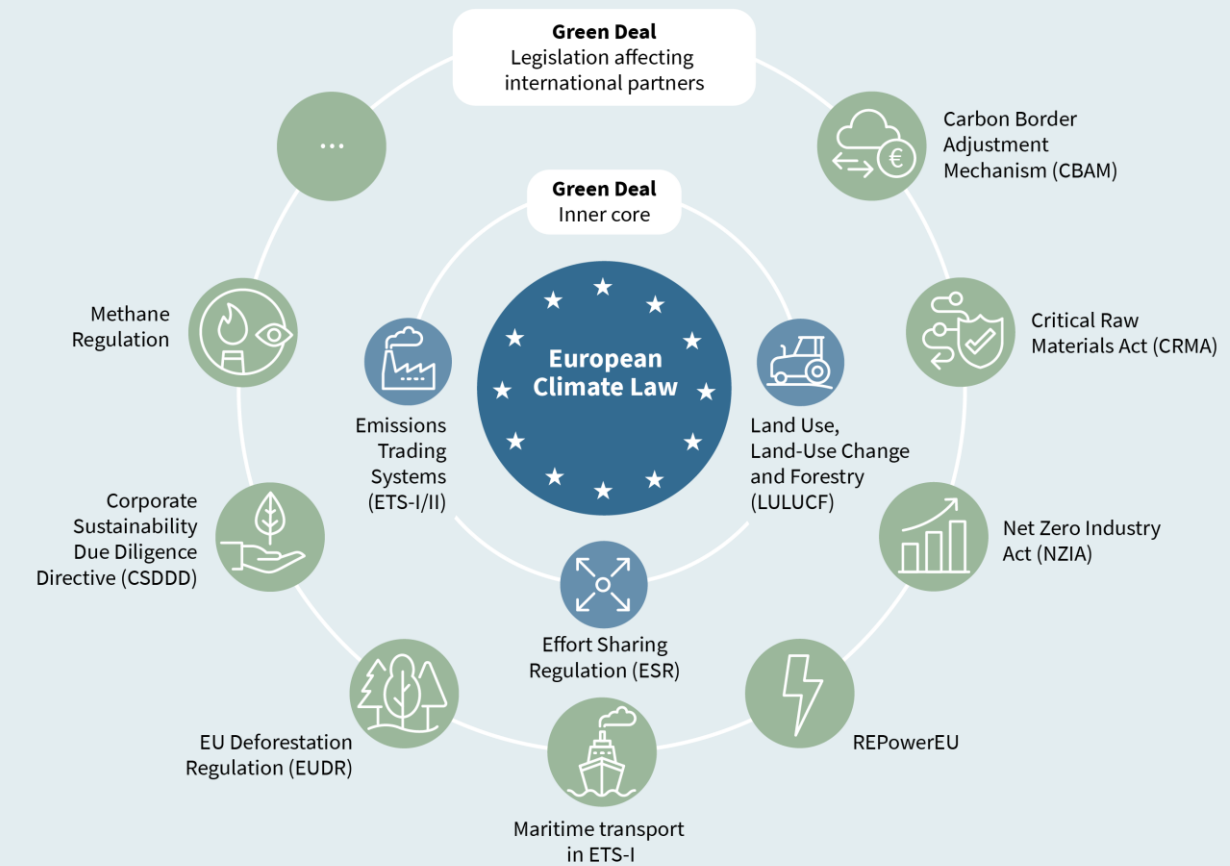


FOND ZA ZAŠTITU OKOLIŠA I
ENERGETSKU UČINKOVITOST



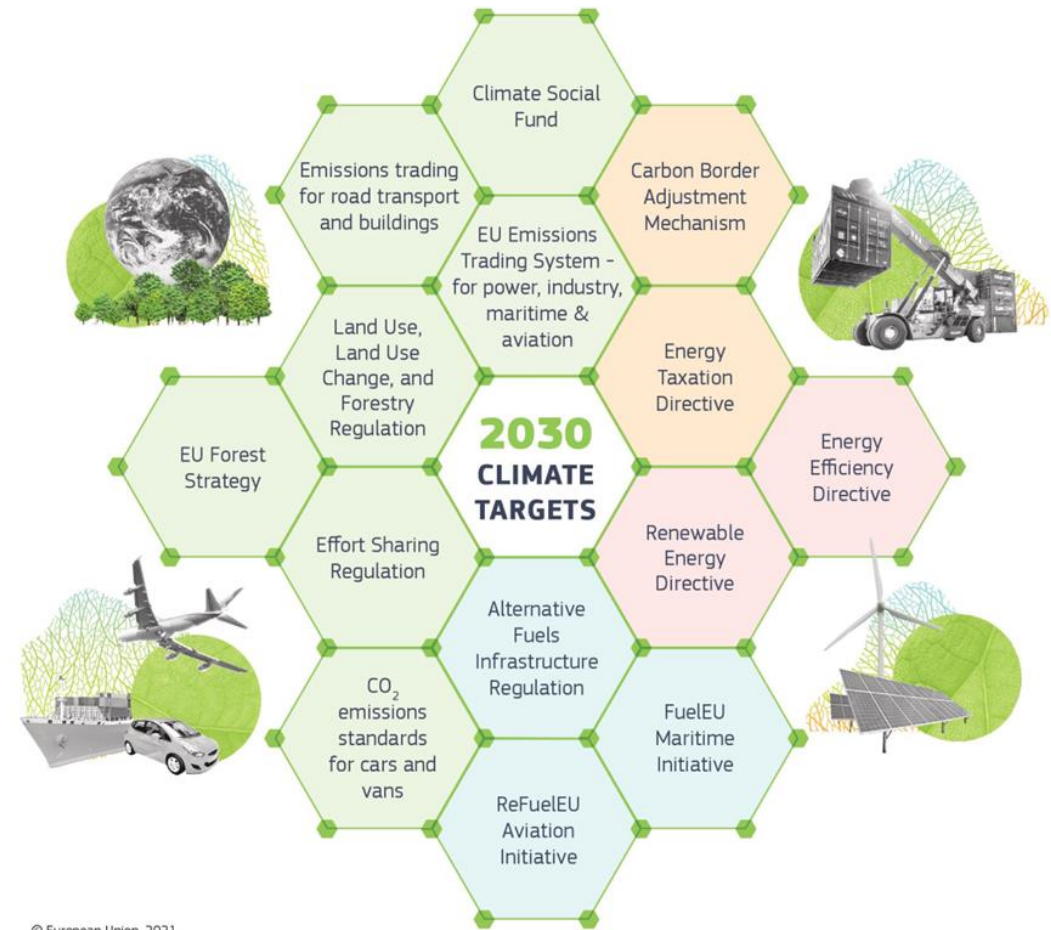
Pregled politika EU-a u pitanjima zaštite okoliša i klimatskih promjena

Conceptual overview: The external dimension of European climate policy



Source: <https://eur-lex.europa.eu>

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Climate change impacts in Europe's regions

Climate change is projected to impact the availability of water in Europe, putting additional pressure on southern regions already facing water stress. Other parts of Europe are expected to face more frequent flooding events, while low-lying regions are at risk from storm surges and sea level rise.



Mediterranean region

- Large increase in heat extremes
- Decrease in precipitation and river flow
- Increasing risk of droughts
- Increasing risk of biodiversity loss
- Increasing risk of forest fires
- Increased competition between different water users
- Increasing water demand for agriculture
- Decrease in crop yields
- Increasing risks for livestock production
- Increase in mortality from heat waves
- Expansion of habitats for southern disease vectors
- Decreasing potential for energy production
- Increase in energy demand for cooling
- Decrease in summer tourism and potential increase in other seasons
- Increase in multiple climate hazards
- Most economic sectors negatively affected
- High vulnerability to spillover effects of climate change from outside Europe

Boreal region

- Increase in heavy precipitation events
- Decrease in snow, lake and river ice cover
- Increase in precipitation and river flows
- Increasing potential for forest growth and increasing risk of forest pests
- Increasing damage risk from winter storms
- Increase in crop yields
- Decrease in energy demand for heating
- Increase in hydropower potential
- Increase in summer tourism

Continental region

- Increase in heat extremes
- Decrease in summer precipitation
- Increasing risk of river floods
- Increasing risk of forest fires
- Decrease in economic value of forests
- Increase in energy demand for cooling

Atlantic region

- Increase in heavy precipitation events
- Increase in river flow
- Increasing risk of river and coastal flooding
- Increasing damage risk from winter storms
- Decrease in energy demand for heating
- Increase in multiple climatic hazards

Coastal zones and regional seas

- Sea level rise
- Increase in sea surface temperatures
- Increase in ocean acidity
- Northward migration of marine species
- Risks and some opportunities for fisheries
- Changes in phytoplankton communities
- Increasing number of marine dead zones
- Increasing risk of water-borne diseases

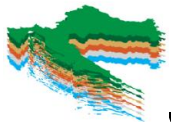
Arctic region

- Temperature rise much larger than global average
- Decrease in Arctic sea ice coverage
- Decrease in Greenland ice sheet
- Decrease in permafrost areas
- Increasing risk of biodiversity loss
- Some new opportunities for the exploitation of natural resources and for sea transportation
- Risks to the livelihoods of indigenous peoples

Mountain regions

- Temperature rise larger than European average
- Decrease in glacier extent and volume
- Upward shift of plant and animal species
- High risk of species extinctions
- Increasing risk of forest pests
- Increasing risk from rock falls and landslides
- Changes in hydropower potential
- Decrease in ski tourism

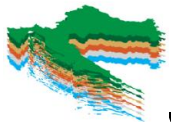




Važnost prostornih podataka u EU politikama

- provedena je sveobuhvatna analiza **23 zakonodavna akta** Europske unije iz područja klimatske, okolišne i energetske politike s posebnim fokusom na zahtjeve za **prostornim podacima**
 - identifikaciju konkretnih zahtjeva koji proizlaze iz pravnih odredbi – uključujući članke, stavke i anekse, a koji se odnose na **potrebu za prostornim podacima (*spatial data*)**.
- cilj je utvrditi **koji točno zakonski elementi uvjetuju postojanje, dostupnost, točnost i ažurnost prostornih podataka** nužnih za provedbu propisa na nacionalnoj razini.

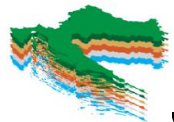




Važnost prostornih podataka u EU politikama

- za svaki identificirani zahtjev provedena je **stručna procjena** razine dostupnosti prostornih podataka u Republici Hrvatskoj koristeći sljedeće tri kategorije:
 -  **Complete** – prostorni podaci su **potpuno dostupni** na nacionalnoj razini, u odgovarajućem formatu, prostornoj rezoluciji i s potrebnom razinom ažurnosti za provedbu zakonskih obveza.
 -  **Half Complete** – djelomična dostupnost: dio traženih prostornih podataka postoji, dok su preostali podaci ili nedostupni, zastarjeli ili ne zadovoljavaju potrebnu prostornu razlučivost i kvalitetu. U ovoj kategoriji najčešće su **potrebna dodatna ažuriranja i razvoj**.
 -  **No Data** – potpuni izostanak odgovarajućih/potrebnih prostornih podataka u nacionalnom sustavu. Za provedbu zahtjeva u toj kategoriji **potrebno je novo istraživanje**, razvoj metodologija i/ili stvaranje potpuno novih skupova podataka.

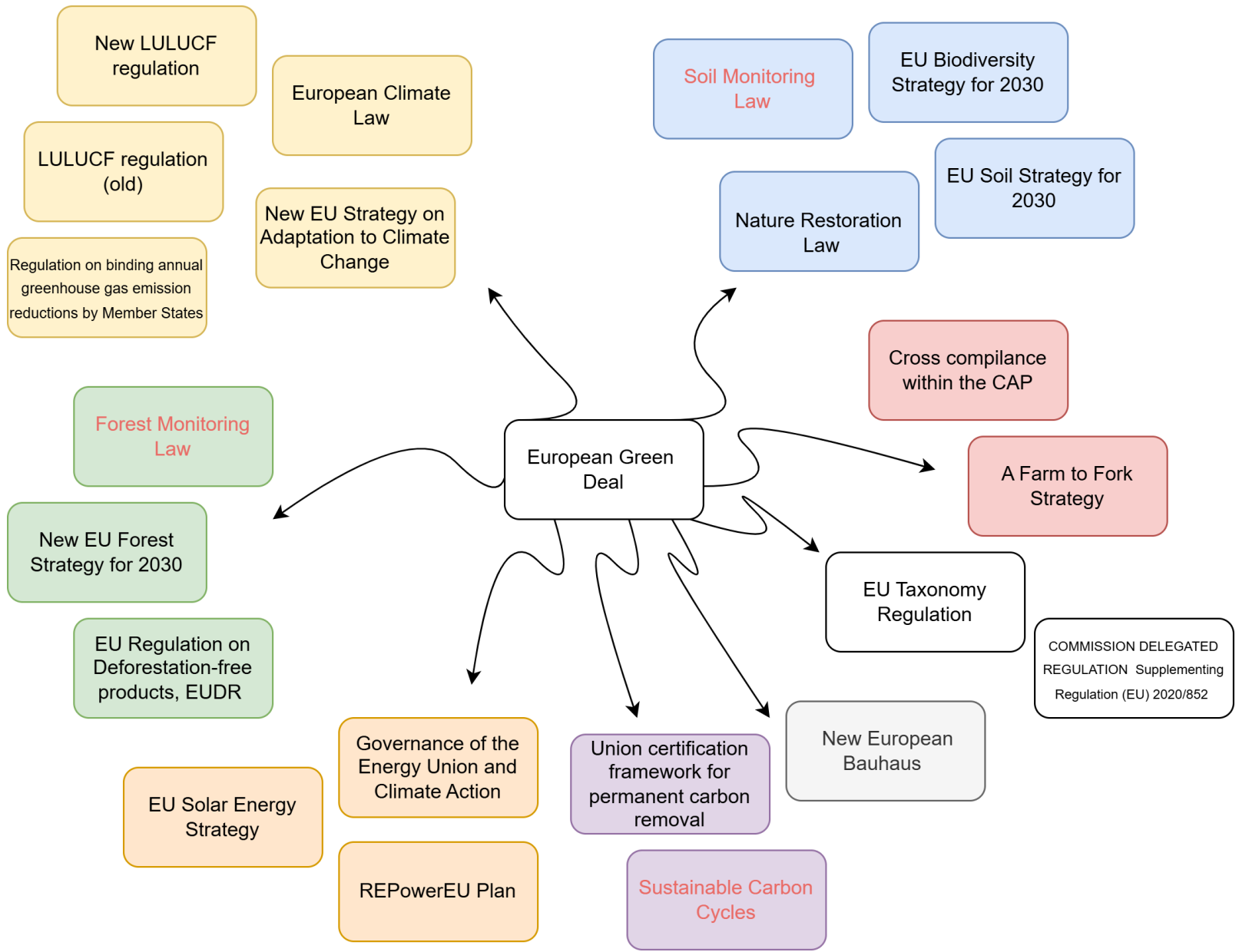
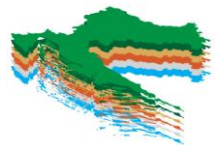


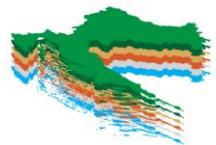


Važnost prostornih podataka u EU politikama

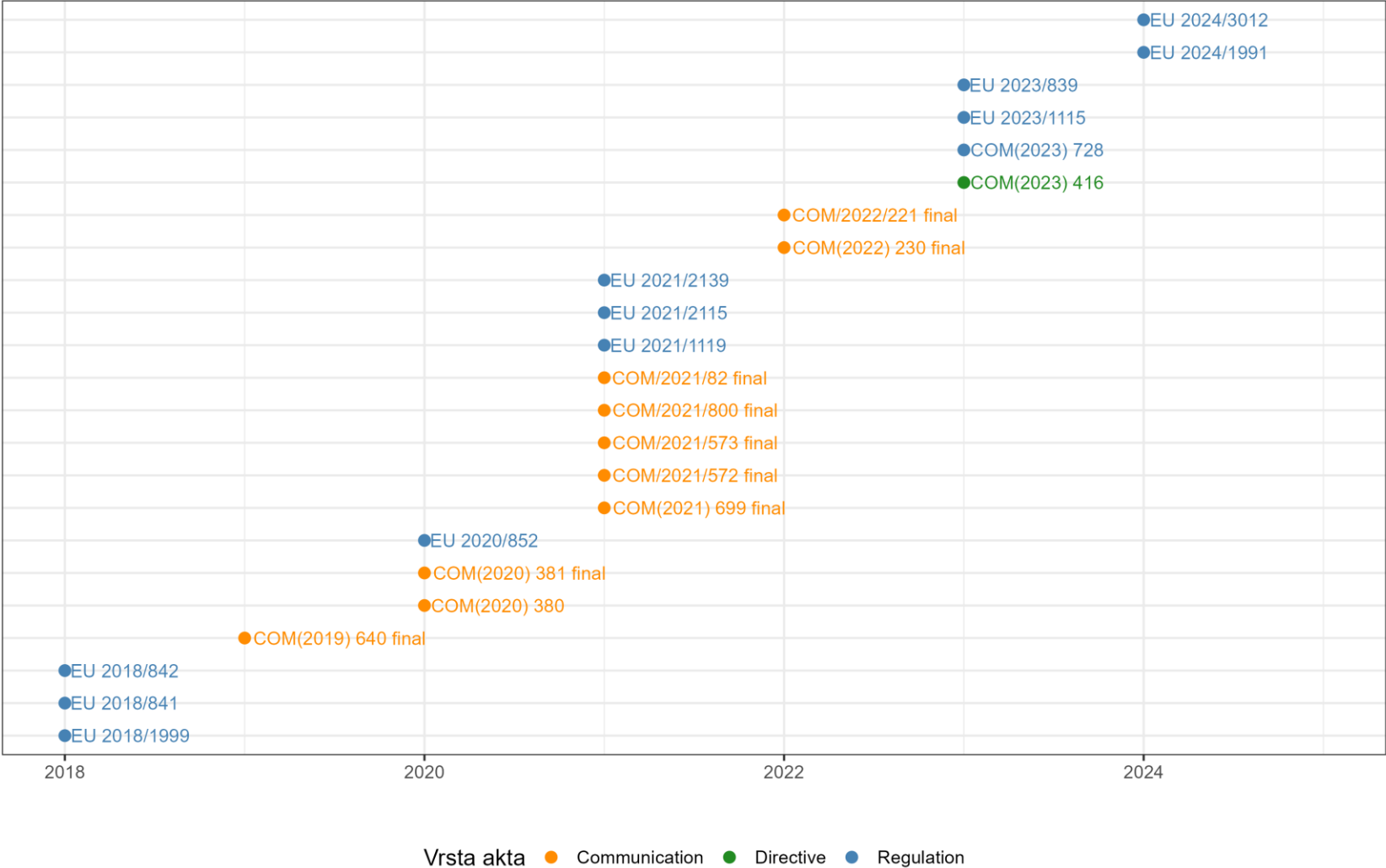
- Cilj ovakve analize je omogućiti relevantnim institucijama i donositeljima odluka da:
 - precizno identificiraju “podatkovne praznine” u provedbi EU propisa,
 - gdje nedostaju prostorni podaci ključni za provedbu propisa.
 - planiraju ciljana ulaganja u podatkovnu infrastrukturu i razvoj,
 - prioritizirati ulaganja u razvoj, ažuriranje i harmonizaciju prostornih podataka.
 - uključiti sve relevantne dionike – od državnih tijela, znanstvenih institucija do privatnog sektora.
 - optimiziraju nacionalne sustave praćenja i izvještavanja u skladu s obvezama iz Europskog zelenog plana te klimatskog zakonodavstva.
 - učinkovito i pravovremeno izvještavanje prema EU obvezama.
 - kreiranje pouzdanih modela za klimatsku prilagodbu, prostorno planiranje, upravljanje rizicima...

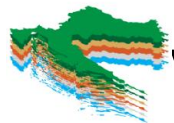






EU Legislativni akti





Važnije EU regulative u domeni zahtjeva za prostornim podacima

- Regulation (EU) 2023/839 (*New LULUCF regulation*) (+ Regulation (EU) 2018/841)
- Regulation (EU) 2024/1991 (*Nature Restoration Law*)
- Regulation COM(2023) 728 (*Forest Monitoring Law*)
- Directive COM(2023) 416 (*Soil Monitoring Law*)
- Regulation (EU) 2024/3012 (*Union certification framework for permanent carbon removal*)
- Regulation (EU) 2021/2115 (*Cross compliance within the CAP*)



No.	Legislation	Name of legislation	Article or Annex number	Short description from column D	Spatial or other data type stated in column D	Spatial or other data type subcategories	Spatial data or other data type also defined in:	Spatial data defined in column H	hat data is missing / will be neededhat data is available? (source OR namData completeness
2	Regulation (EU) 2018/841	LULUCF regulation (old)	Article 2	(a) Article 2... that occur in any of the following land accounting categories on the territories of Member States, during periods 2021-2025 and from 2026-2030	(i) afforested land : had use reported as cropland, grassland, wetlands, settlements or other land, converted to forest land	land use reported as cropland, grassland, wetlands, settlements or other land, converted to forest land;			data for whole historical period Spatial data for L-FL (national data) ☒ Complete
					(ii) deforested land : had use reported as forest land converted to cropland, grassland, wetlands, settlements or other land	land use reported as forest land converted to cropland, grassland, wetlands, settlements or other land;			data for whole historical period Spatial data for FL-L (national data) ☒ Complete
					(iii) managed cropland : cropland remaining cropland, grassland, wetland, settlement or other land, converted to cropland, or cropland converted to wetland, settlement or other land	CL-CL, L-CL			data on conversion from aCL and pCL, not all data from ARKOD available CLC data, data from ARKOD and Ministry of Agriculture ☐ Half Complete
					(iv) managed grassland : grassland remaining grassland, cropland, wetland, settlement or other land, converted to grassland, or grassland converted to wetland, settlement or other land	GL-GL, L-GL			no full data on managed grasslands, no data from conversion CLC data, data from ARKOD and Ministry of Agriculture ☐ Half Complete
					(v) managed forest land : had use reported as forest land remaining forest land	FL-FL, L-FL			national data ☒ Complete
				(b) Article 2... that occur in any of the following land accounting categories on the territories of Member States, as of 2026	managed wetland : wetland remaining wetland, settlement or other land, converted to wetland, or wetland converted to settlement or other land	WL-WL, L-WL			no precise spatial data available CLC data, data from NKS (shp)... ☐ Half Complete
			ANNEX VI	...background level for natural disturbances	5...identification of all land areas affected by natural disturbances in that particular year, including their geographical location , the period and types of natural disturbances	areas affected with natural disturbances			precise areas affected by disturbances by land categories areas affected by forest fires, forest stands affected by wind, biotic and fire disturbances?? ☐ Half Complete
3	Regulation (EU) 2021/1119	European Climate Law		(7)...all sectors of the economy - including energy, industry, transport, heating and cooling and buildings, agriculture, waste and land use, land-use change and forestry , irrespective of whether those sectors are covered by the system for greenhouse gas emission allowance trading within the Union ("EUTS") - should play a role in contributing to the achievement of climate neutrality within the Union by 2050.	LULUCF land categories	-	-		spatial explicit data required for LULUCF land categories CLC data, national data on forests... ☐ Half Complete
4	Regulation (EU) 2024/1991	Nature Restoration Law	Article 2	(a) Regulations applies in the territories of Member States : (b)...coastal waters and (c)...in waters, the seabed or subsoil on the seaward side of the baseline from which the extent of the territorial waters of a Member State is measured	MS territory	-			land and sea spatial data ☐ Half Complete
			Article 4	Restoration of terrestrial, coastal and freshwater ecosystems . Annex I list for habitat types that are not in good condition	terrestrial, coastal and freshwater ecosystems				areas for restoration need to be defined and mapped NATURA 2000 sites, NSK areas, CLC areas... ☐ Half Complete
				...until 2030 give priority to restoration measures in areas that are located in Natura 2000 sites.	areas inside NATURA 2000				restoration measures in areas that are located in Natura 2000 sites. NATURA 2000 areas ☐ Half Complete
				7...Member States shall put in place restoration measures for the terrestrial, coastal and freshwater habitats of the species listed in Annexes II, IV and V to Directive 92/43/EEC and of the terrestrial, coastal and freshwater habitats of wild birds falling within the scope of Directive 2009/147/EC that are, in addition to the restoration measures referred to in paragraphs 1 and 4 of this Article.			Directive 92/43/EEC, Directive 2009/147/EC		areas for restoration measures need to be defined NATURA 2000 areas, protection areas... ☐ Half Complete
			Article 5	Restoration of marine ecosystems , habitat types listed in Annex II which are not in good condition	marine ecosystems, listed in Annex II				areas for restoration measures need to be defined ☐ Half Complete
				1...Member States shall put in place the restoration measures that are necessary to improve to good condition areas of habitat types listed in Annex I which are not in good condition	listed in Annex II				areas for restoration need to be defined and mapped NKS_v5 ☐ Half Complete
			Article 8	Restoration of urban ecosystems . 1 by 31 December 2030, Member States shall ensure that there is no net loss in the total national area of urban green space and of urban tree canopy cover in urban ecosystem areas... determined in accordance with Article 14(4), compared to 2024.	LAU (local administrative unit), urban green space, urban areas, cities, urban centres, towns and suburbs, peri-urban areas, urban tree canopy cover		Regulation (EC) No 1059/2003 (Article 4, LAU)		national data on green urban areas Copernicus Urban Atlas Land Cover/Land Use, High Resolution Layer Small Woody Features, GIS portal for trees ☒ No Data
				2. From 1 January 2031, Member States shall achieve an increasing trend in the total national area of urban green space , including through the integration of urban green space into buildings and infrastructure, in urban ecosystem areas	urban green spaces, settlements				
				3. Member States shall achieve, in each urban ecosystem area, determined in accordance with Article 14(4), an increasing trend of urban tree canopy cover , measured every six years from 1 January 2031, until the satisfactory level identified as set in accordance with Article 14(5) is reached	urban tree canopy cover (basis of the Tree Cover Density data under Copernicus)		Regulation (EU) 2021/636		urban tree canopy cover, available only for some cities Copernicus High Resolution Layer Tree Cover, Urban Atlas Land Cover/Land Use ☐ Half Complete
			Article 9	Restoration of the natural connectivity of rivers and natural functions of the related floodplains	rivers, floodplains, wetlands				new wetland data TTB (hydrology) ☐ Half Complete
			Article 11	Restoration of agricultural ecosystems	agriculture lands				agriculture areas suitable for restoration ARKOD, CLC data ☐ Half Complete
				1. Member States shall put in place the restoration measures necessary to enhance biodiversity in agricultural ecosystems , in addition to the areas that are subject to restoration measures under Article 4(1), (4) and (7)	agriculture areas within NATURA 2000 sites	Areas under Article 4 (14,7), habitat types in Annex I, measures that are necessary to re-establish the habitat types listed in Annex I, habitats of the species listed in Annexes II, IV and V to Directive 92/43/EEC and of the terrestrial, coastal and freshwater habitats of wild birds falling within the scope of Directive 2009/147/EC			ARKOD data only for agriculture areas under EAFRD ARKOD, CLC data ☐ Half Complete
				2. Member States shall put in place measures which shall aim to achieve an increasing trend at national level of at least two out of the three following indicators for agricultural ecosystems , as further specified in Annex IV, measured in the	Annex 4, list of biodiversity indicators for agro. ecosystems referred in Article 11 (2)	Annex 4 -Stock of organic carbon in cropland mineral soils, share of agricultural land with high-diversity landscape features			precise areas of stock of organic carbon in cropland mineral soils ARKOD, CLC data ☐ Half Complete
				3. Member States shall put in place restoration measures which shall aim to ensure that the common farmland bird index at national level based on the species specified in Annex V, indexed on 1 September 2029	agriculture lands	Annex 5 (common farmland bird index at national level)			identification of area suitable for restoration NATURA 2000 areas, ARKOD data, NKS ☐ Half Complete
				4. Member States shall put in place measures which shall aim to restore organic soils in agricultural use constituting drained peatlands .	organic soils in drained agricultural use constituting drained peatlands				peatlands areas, areas of organic soils (very small areas in Croatia, around 250 ha) TTB (wetlands), geokemijski atlas, FAO UNESCO pedološka karta ☐ Half Complete
			Article 12	Restoration of forest ecosystems	forest land, forest areas, forests under NATURA 2000 areas				data from Croatian forests, data from Ministry of agriculture ☒ Complete

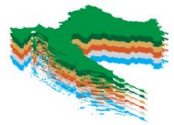


Spatial or other data type stated in column D	Spatial or other data type subcategories	Spatial data or other data type also defined in:	Spatial data defined in column H	What data is missing / will be needed ?	What data is available? (source OR name)	Data completeness
(a) ...land use units with high-carbon stock land	-	(EU) 2018/2001, Article 29 (4), Regulation (EU) 2018/1999	wetlands, continuously forested areas (>1ha, >5m, c.c. >30%), land spanning more than one hectare with trees higher than five metres and a canopy cover of between 10 % and 30 %, or trees able to reach those thresholds in situ...	soil data (precise areas with high carbon stock data), high-res wetland areas	Croatian forests data, NKS_v5., TTB (wetland use)	Half Complete
(b)...land use units subject to protection	...land with a high biodiversity value as defined in Article 29(3) of Directive (EU) 2018/2001	Directive (EU) 2018/2001, Article 29 (3)	a) primary forest and other wooded land, b) highly biodiverse forest and other wooded land which is species-rich and not degraded, c) areas designed by law or by the relevant competent authority for nature protection purposes, areas designated for the protection of rare, threatened or endangered ecosystems or species recognised by international agreements (IUCN), d) highly biodiverse grassland (>1ha), natural, namely grassland that would remain grassland in the absence of human intervention , non-natural, namely grassland that would cease to be grassland in the absence of human intervention and that is species-rich and not degraded and has been identified as being highly biodiverse	new spatial data on primary and old-growth forest, (new) high resolution data on highly biodiverse grassland	Croatian forests shp data, NKS_v5, ARKOD	Half Complete
	... special areas of conservation designated in accordance with Article 4 of Council Directive 92/43/EEC (*) and land units outside of those which are subject to protection and conservation measures under Article 6(1) and (2) of that Directive in order to meet site conservation objectives;	The Habitats Directive (Council Directive 92/43/EEC)	SAC Areas (Annex I, Habitats Directive)	areas which are subject to protection measures	NKS_v5, Karta kopnenih nešumskih staništa (2016), Karta staništa RH (2004)	Complete
	... breeding sites and resting places of the species listed in Annex IV to Directive 92/43/EEC which are subject to protection measures under Article 12 of that Directive	The Habitats Directive (Council Directive 92/43/EEC)	Areas in Annex IV of the Habitats Directive	areas which are subject to protection measures	NKS_v5, Karta kopnenih nešumskih staništa (2016), Karta staništa RH (2004)	Complete
...(d)...land use units with high climate risk	...areas subject to compensation under paragraphs 5 and 6 of Article 13b of Regulation (EU) 2018/841, areas referred to in Article 5(1) of Directive 2007/60/EC, areas identified in the Member States' national adaptation strategy with high natural and man-made risks, subject to climate-related disaster risk reduction actions.	Regulation (EU) 2018/841, Article 13b, Paragraphs 5 and 6	afforested land, deforested land, managed cropland, managed grassland, managed forest land, managed wetlands	spatial data classified for "high climate risk", new national data needed		Half Complete
	...areas referred to in Article 5(1) of Directive 2007/60/EC	Directive 2007/60/EC, Article 5 (1)	On the basis of a preliminary flood risk assessment as referred to in Article 4, Member States shall, for each river basin district, or unit of management	identify those areas for which they conclude that potential significant	NKS, TTB data	Half Complete
	...areas identified in the Member States' national adaptation strategy with high natural and man-made risks, subject to climate-related disaster risk reduction actions;	-	-	data needs to be defined		No Data
(e)...a system for the monitoring of soil carbon stocks, using, inter alia, annual land use/cover area frame statistical survey (LUCAS) datasets	areas under LUCAS survey	-	-	small number of plots, only for one year	LUCAS topsoil database (SOC content)	Half Complete
...(a) identification of all land areas affected by natural disturbances in that particular year, including their geographical location, the period and types of natural disturbances.	areas affected with natural disturbances	-	-	precise areas affected by disturbances by land categories	areas affected by forest fires, forest stands affected by wind, biotic and fire disturbances??	Half Complete



Article 8	Restoration of urban ecosystems, 1. by 31 December 2030, Member States shall ensure that there is no net loss in the total national area of urban green space and of urban tree canopy cover in urban ecosystem areas, , determined in accordance with Article 14(4), compared to 2024.	LAU (local administrative unit), urban green space, urban areas, cities, urban centres, towns and suburbs, peri-urban areas, urban tree canopy cover		Regulation (EC) No 1059/2003 (Article 4, LAU)		national data on green urban areas	Copernicus Urban Atlas Land Cover/Land Use, High Resolution Layer Small Woody Features, GIS portal for trees	✗ No Data
	2. From 1 January 2031, Member States shall achieve an increasing trend in the total national area of urban green space, including through the integration of urban green space into buildings and infrastructure, in urban ecosystem areas	urban green spaces, settlements						
	3. Member States shall achieve, in each urban ecosystem area, determined in accordance with Article 14(4), an increasing trend of urban tree canopy cover, measured every six years from 1 January 2031, until the satisfactory level identified as set in accordance with Article 14(5) is reached	urban tree canopy cover (basis of the Tree Cover Density data under Copernicus)		Regulation (EU) 2021/696		urban tree canopy cover, available only for some cities	Copernicus High Resolution Layer Tree Cover, Urban Atlas Land Cover/Land Use	🕒 Half Complete
Article 9	Restoration of the natural connectivity of rivers and natural functions of the related floodplains	rivers, floodplains, wetlands				new wetland data	TTB (hidrology)	🕒 Half Complete
Article 11	Restoration of agricultural ecosystems	agriculture lands				agriculture areas suitable for restoration	ARKOD, CLC data	🕒 Half Complete
	1. Member States shall put in place the restoration measures necessary to enhance biodiversity in agricultural ecosystems, in addition to the areas that are subject to restoration measures under Article 4(1), (4) and (7)	agriculture areas within NATURA 2000 sites	Areas under Article 4 (14, 7), habitat types in Annex I, measures that are necessary to re-establish the habitat types listed in Annex I, habitats of the species listed in Annexes II, IV and V to Directive 92/43/EEC and of the terrestrial, coastal and freshwater habitats of wild birds falling within the scope of Directive 2009/147/EC			ARKOD data only for agriculture areas under EAFRD	ARKOD, CLC data	🕒 Half Complete
	2. Member States shall put in place measures which shall aim to achieve an increasing trend at national level of at least two out of the three following indicators for agricultural ecosystems, as further specified in Annex IV, measured in the period from 18 August 2024 until 31 December 2030, and every six years thereafter, until the	Annex 4, list of biodiversity indicators for agro.ecosystems referred in Article 11 (2)	Annex 4 -Stock of organic carbon in cropland mineral soils, share of agricultural land with high-diversity landscape features			precise areas of stock of organic carbon in cropland mineral soils	ARKOD, CLC data	🕒 Half Complete
	3. Member States shall put in place restoration measures which shall aim to ensure that the common farmland bird index at national level based on the species specified in Annex V, indexed on 1 September 2025	agriculture lands	Annex 5 (common farmland bird index at national level)			identification of area suitable for restoration	NATURA 2000 areas, ARKOD data, NKS	🕒 Half Complete
	4. Member States shall put in place measures which shall aim to restore organic soils in agricultural use constituting drained peatlands.	organic soils in drained agricultural use constituting drained peatlands				peatlands areas, areas of organic soils (very small areas in Croatia, around 250 ha)	TTB (wetlands), geokemijski atlas, FAO UNESCO pedološka karta	🕒 Half Complete
Article 12	Restoration of forest ecosystems	forest land, forest areas, forests under NATURA 2000 areas					data from Croatian forests, data from Ministry of agriculture	✅ Complete

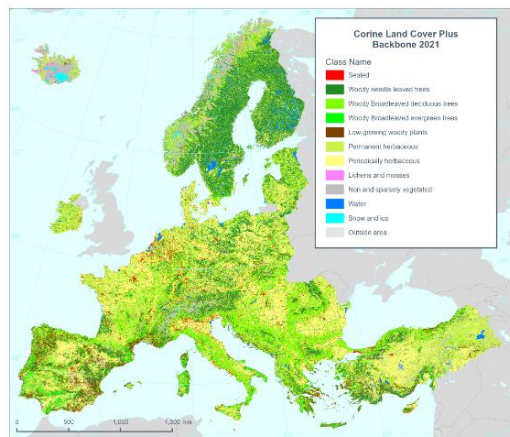
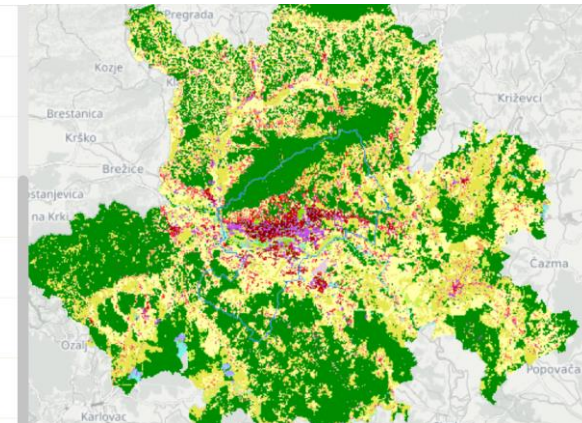




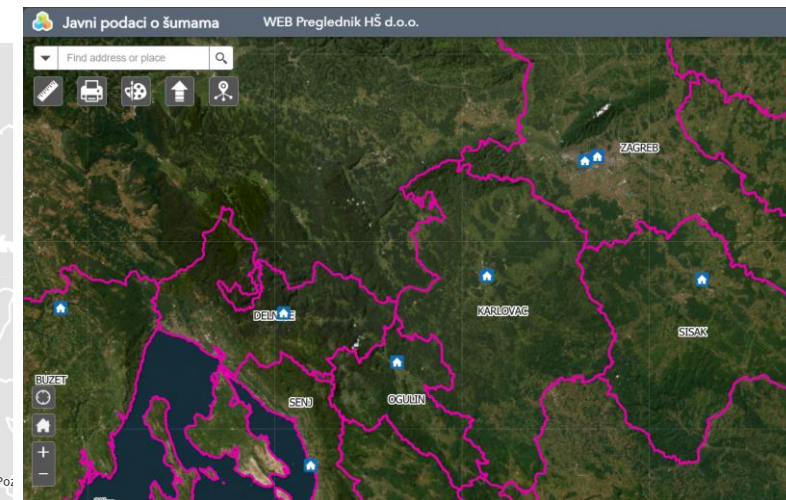
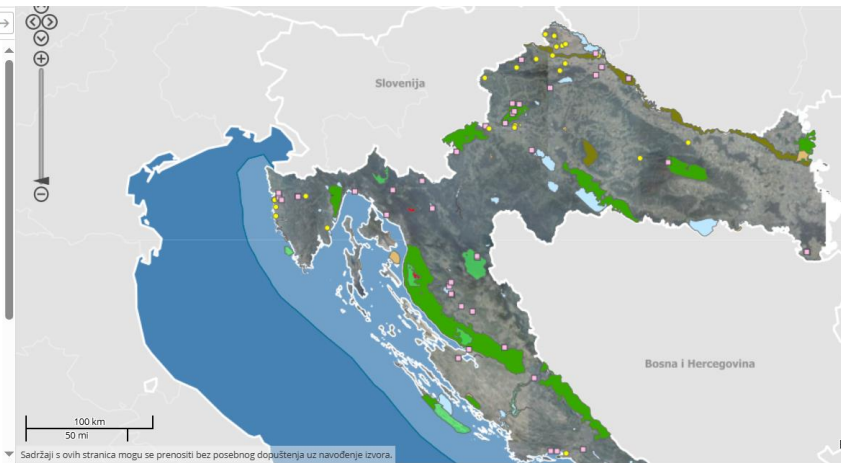
Važnost prostornih podataka u EU politikama

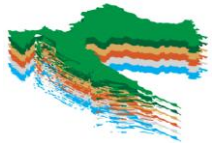
- 23 zakonska akta i strategije
 - posredna i neposredna potreba za prostornim podacima
- Analizirano ~136 članaka/stavki/aneksa:
 - ☒ Complete -20 (**14,70 %**)
 - ☐ Half Complete -79 (**58,09 %**)
 - ☒ No Data -37 (**27,21 %**)

- ☐ Coastal Zones
- ☐ N2K
- ☐ Riparian Zones
- ☐ Urban Atlas
 - ☒ Urban Atlas Land Cover/Land Use
- ☐ Building Height
- ☐ Street Tree Layer



- Priroda
- Odaberi temu →
- ☒ Zaštićena područja - nacionalni
 - ☒ Zaštićena područja - točke
 - ☒ Zaštićena područja - poligo
 - ☐ Ekološka mreža Natura 2000
 - ☐ POVS (Područja očuvanja z)
 - ☐ POP (Područja očuvanja zn)
 - ☐ Karta staništa RH 1:100 000
 - ☐ Kopnena staništa - točke
 - ☐ Kopnena staništa - poligoni
 - ☐ Kopnena staništa 2016 - to
 - ☐ Kopnene vode
 - ☐ Morska obala
 - ☐ Morski bentos - točke
 - ☐ Morski bentos - poligoni
 - ☐ Podzemlje
 - ☐ Stijene i točila
 - ☐ Vodotoci
 - ☐ Kartiranje i procjena ekosusta
 - ☐ Oštećenost šumskih ekosusta
 - ☐ Pritisci i prijetnje na prirodne
 - ☐ Posjetiteljska infrastruktura

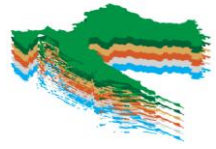




Zaključak

- stanje dostupnosti prostornih podataka u Republici Hrvatskoj je djelomično zadovoljena, ali su potrebna daljnja poboljšanja i istraživanja.
- izraditi detaljan popis nedostajućih skupova prostornih podataka.
- prioritizirati podatke ključne za provedbu navedenih EU legislativa (klimatska neutralnost, LULUCF, obnova prirode, praćenje šuma i tla...).
- jačanje kapaciteta i ulagati u prostornu „podatkovnu” infrastrukturu
 - osigurati međusektorsku koordinaciju (bolje povezivanje sektorskih institucija (poljoprivreda, okoliš, šumarstvo, klimatska politika...))

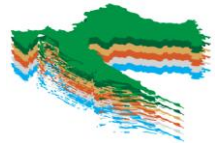




Zaključak

- bez sveobuhvatnih, točnih i ažurnih prostornih podataka – **nema učinkovite provedbe EU klimatskih i okolišnih politika.**
- potrebna su ciljna ulaganja i strateško planiranje podatkovne infrastrukture.





Hvala na pažnji!

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REPUBLIKA HRVATSKA
Ministarstvo zaštite okoliša
i zelene tranzicije



AGENCIJA ZA
PLAĆANJA U
POLJOPRIVREDI,
RIBARSTVU I
RURALNOM
RAZVOJU



REPUBLIKA HRVATSKA
Državna geodetska uprava



FOND ZA ZAŠTITU OKOLIŠA I
ENERGETSKU UČINKOVITOST

