



MINLEX - Croatia Country Report

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1 CROATIA

1.1 Summary of findings

Croatia's non-energy minerals extractive industry is mainly focused on the onshore extraction of construction minerals (sand, gravel, amphibolite, andesite, basalt, diabase, granite, dolomite, and limestone), and some industrial minerals (cement, clays, gypsum). Metal ores are no longer mined. All mineral resources are state-owned (Art. 4 ML).

Mining in Croatia is governed by the Mining Act (Official Gazette 56/13 and 14/14.), the Geological Explorations Act (Official Gazette 34/86), the Concessions Act (Official Gazette 143/12) and the Regulation on compensation for concession for exploitation of mineral resources (Official Gazette 31/14). The Croatian Mining Act (Official Gazette 56/13 and 14/14) regulates exploration of mineral raw materials, approvals for exploration and extraction concessions, construction of mining facilities and installations, mining plans and measurements, the single information system of mineral raw materials, qualifications, occupational health and safety measures, restoration of the environment. Also, the activities related to exploration and exploitation of mineral resources are regulated by other Acts (Environmental Protection Act, Waters Act, and Concession Act); in total, some 26 Acts and Ordinances are related to both exploration and exploitation of mineral raw materials. **Croatia has a centralised permitting regime** and the co-authorities involved include the Ministry of Economy (issues permits/licenses for exploration and extraction), the Ministry of Environmental and Nature Protection (determines specific conditions, restrictions and consent, impact assessment), the Ministry of Construction and Physical Planning (spatial planning documents necessary to start the procedure for granting a concession), the Ministry of Finance (provides financial and legal documents necessary to start the procedure for granting a concession) and the Ministry of Agriculture (determines specific conditions relating to exploration and exploitation of mineral resources in forests, water management and agricultural land). In some instances, also the Ministry of Culture and Croatian Waters (a legal entity for water management) might be involved.

Concerning exploration permits, the decision to grant an exploration permit for the purpose of granting a concession for exploitation can only be provided in areas planned for the execution of mining activities in the planning documents.

This procedure involves environmental impact assessment for micro location. The beneficiary of the exploration area must obtain from the landowner a written permission for the execution of mining activities, and submit it to the body competent for mining affairs. Our Croatian country experts have reported that *"it is difficult to assess the average length to get a permit. Exploration and investigation permits usually take over one year as no environmental assessment is normally requested (but not always). The average length to get an exploration permit for mineral raw materials for production of construction materials is between 100-200 days."*

Concerning extraction permits, a concession shall be performed on the basis of one public tender in a single procedure consisting of four phases.

The criteria for selecting the best bidder shall be the criteria laid down in the Concessions Act. Exploitation fields shall not be approved to beneficiaries for a period longer than 40 years. Concerning the average length to get an extraction permit, country experts reported that, for metallic minerals, *"if the environmental and social stakeholders do not have a negative position about the exploitation application when they are consulted, the license can be granted between 24-36 months"*. However, a revision of this figure by the authority extended the period to between 36 and 52 months. With regards to permitting success rates, according to data from the Department for Mining of the Directorate for Energy and Mining, they are generally high (between 80 and 90 %, average of 85 %), consisting mainly of permission for the exploration and extraction of dimensional stone, carbonate raw materials for industrial productions, gypsum and aggregates.

1.2 General introduction

Croatia's non-energy minerals extractive industry is mainly focused on the onshore extraction of construction minerals (sand, gravel, amphibolite, andesite, basalt, diabase, granite, dolomite, and limestone), and some industrial minerals (cement, clays, gypsum). Metal ores are no longer mined.

Mineral ownership

All mineral resources in Croatia are state-owned (Art §4 ML).

1.3 Legislation governing mineral exploration and extraction

Mining in Croatia is governed by the Mining Act (Official Gazette 56/13 and 14/14.), the Geological explorations Act (Official Gazette no. 34/86), the Concessions Act (Official Gazette no. 143/12) and the Regulation on compensation for concession for exploitation of mineral resources (Official Gazette no. 31/14). The Croatian Mining Act (Official Gazette 56/13 and 14/14) regulates exploration of mineral raw materials, approvals for exploration and extraction concessions, construction of mining facilities and installations, mining plans and measurements, the single information system of mineral raw materials, qualifications, occupational health and safety measures, restoration of the environment. Also the activities related to exploration and exploitation of mineral resources are regulated by other Acts (Environmental Protection Act, Waters Act, and Concession Act); in total some 26 Acts and Ordinances are related to both exploration and exploitation of mineral raw materials.

Table 1: Croatia. Legislation relevant to exploration and extraction permitting.

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
mining, minerals management, technical safety, concession	HR-L1	The Mining Act (Official Gazette 56/13 and 14/14.)	http://www.zakon.hr/z/390/Zakon-o-rudarstvu	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L2	Mineral Resource Management Strategy of Croatia (2008)	http://www.zavod.pgz.hr/doks/zpuzpuzHR/documents/301/Original.pdf	N	N	Y	Y	Y	Y	Y	Y	probably soon tender for new one
	HR-L3	Exploration and extraction of hydrocarbons Act (Official Gazette no. 94/13 and 14/14))	http://www.zakon.hr/z/656/Zakon-o-istra%C5%BEivanju-i-eksploataciji-ugljikovodika	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L4	Act on establishing the Agency for hydrocarbons (Official Gazette no. 14/14)	http://www.zakon.hr/z/701/Zakon-o-osnivanju-Agencije-za-ugljikovodike	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L5	Geological explorations Act (Official Gazette no. 34/86)	http://www.propisi.hr/print.php?id=429	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L6	Concessions Act (Official Gazette no. 143/12)	http://www.zakon.hr/z/157/Zakon-o-koncesijama	Y	Y	Y	Y	Y	Y	Y	Y	rules of tenders
	HR-L7	Inspections in the economy Act (Official Gazette no. 14/14)	http://www.zakon.hr/z/702/Zakon-o-inspekcijama-u-gospodarstvu	N	N	Y	Y	Y	Y	Y	Y	mining inspector
	HR-L8	Regulation on compensation for concession for extraction of mineral resources (Official Gazette no. 31/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_03_31_538.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L9	Regulation on compensation for the exploration and extraction of hydrocarbons (Official Gazette no. 37/14 and 72/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_03_37_648.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L10	Regulation on compensation for damages arising from theft of mineral resources (Official Gazette no. 90/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_07_90_1811.html	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L11	Ordinance on the collection of data, the method of recording and establishing mineral raw material reserves and preparing a balance of these reserves (Official Gazette 48/92 and 60/92)	http://narodne-novine.nn.hr/clanci/sluzbeni/1992_08_48_1248.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L12	Ordinance on the mandatory content, elements and ways of equipping mining projects (Official Gazette no. 61/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_05_61_1147.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L13	Ordinance on professional competence for the execution of specific mining tasks (Official Gazette no. 9/00)	http://narodne-novine.nn.hr/clanci/sluzbeni/2000_01_9_97.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L14	Ordinance on essential technical requirements, safety and protection during research and extraction of hydrocarbons in Croatian seabed (Official Gazette no. 52/10)	http://narodne-novine.nn.hr/clanci/sluzbeni/2010_04_52_1275.html	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L15	Ordinance on permanent disposal of gas in geological structures (Official Gazette no. 106/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_08_106_2379.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L16	Ordinance on the content and method of producing mining-geological studies (Official Gazette no. 142/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_11_142_3042.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L17	Ordinance on the technical inspection of mining facilities and installations (Official Gazette no. 142/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_11_142_3043.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L18	Ordinance on the exploration and extraction of mineral raw materials (Official Gazette no. 142/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_11_142_3044.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L19	Ordinance on the united information system of mineral resources and registers (Official Gazette no. 142/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_11_142_3045.html	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L20	Ordinance on conditions and methods of Keeping of Building Log(Official Gazette no. 142/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_11_142_3046.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L21	Regulation on the procedure for mineral reserves documentation evaluation (Official Gazette no. 150/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_12_150_3175.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L22	Ordinance on the procedure for mining project verification (Official Gazette no. 150/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_12_150_3176.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L23	Ordinance on the mandatory content of mining facilities and installations construction projects (Official Gazette no. 79/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_06_79_1472.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L24	Ordinance on the conditions for mining facilities and installations project development and construction (Official Gazette no. 79/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_06_79_1473.html	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L25	Ordinance on the treatment of excess excavation that represents mineral raw material at construction works (Official Gazette no. 79/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_06_79_1474.html	Y	Y	Y	Y	Y	Y	Y		
	HR-L26	Occupational Health and Safety Act (Official Gazette no. 71/14, 118/14)	http://www.mvep.hr/zakoni/pdf/653.pdf	N	N	Y	Y	Y	Y	N	N	
	HR-L27	Ordinance on the blasting permit (Official Gazette no. 57/06, 21/07 and 119/07)	http://narodne-novine.nn.hr/clanci/sluzbeni/2006_05_57_1360.html	N	N	N	Y	Y	Y	N	N	
Environment	HR-L28	National Environmental Strategy (NES) (Official Gazette no. 46/02)	http://narodne-novine.nn.hr/clanci/sluzbeni/308683.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L29	National Environmental Action Plan (Official Gazette no. 46/02.)	http://narodne-novine.nn.hr/clanci/sluzbeni/308684.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L30	Environmental Protection Act (Official Gazette no. 80/13, 153/13 and 78/15)	http://www.zakon.hr/z/194/Zakon-o-za%C5%A1titi-okoli%C5%A1a	Y	Y	Y	Y	Y	Y	Y	Y	

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						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L31	Air protection Act (Official Gazette no. 130/11, 47/14)	http://www.zakon.hr/z/269/Zakon-o-za%C5%A1titi-zraka	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L32	Fire protection Act (Official Gazette no. 92/10)	http://www.zakon.hr/z/349/Zakon-o-za%C5%A1titi-od-po%C5%BEara	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L33	Noise protection Act (Official Gazette no. 30/09, 55/13, 153/13)	http://www.mvep.hr/zakoni/pdf/613.pdf	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L34	Sustainable waste management Act (Official Gazette no. 94/13)	http://www.zakon.hr/z/657/Zakon-o-odr%C5%BEivom-gospodarenju-otpadom	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L35	Environmental Protection and Energy Efficiency Fund Act (Official Gazette no. 107/03, 144/12 and 80/13)	http://www.zakon.hr/z/560/Zakon-o-Fondu-za-za%C5%A1titi-okoli%C5%A1a-i-energetsku-u%C4%8Dinkovitost	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L36	Explosive Substances Act (Official Gazette no. 178/04, 109/07, 67/08, 144/10)	http://www.zakon.hr/z/434/Zakon-o-eksplozivnim-tvarima	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L37	Transport of Dangerous Goods Act (Official Gazette no. 79/07)	http://www.zakon.hr/z/246/Zakon-o-prijevozu-opasnih-tvari	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L38	General Product Safety Act (Official Gazette no. 30/09, 139/10, 14/14)	http://www.zakon.hr/z/119/Zakon-o-op%C4%87oj-sigurnosti-proizvoda	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L39	Sanitary Inspection Act (Official Gazette no. 113/08 and 88/10)	http://www.zakon.hr/z/344/Zakon-o-sanitarnoj-inspekciji	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L40	Maritime Law (Official Gazette no. 181/04, 76/07, 146/08, 61/11, 56/13 and 26/15)	http://www.zakon.hr/z/310/Pomorski-zakonik	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L41	Maritime Domain and Seaports Act (Official Gazette no. 158/03, 100/04, 123/11, 141/06, 38/09)	http://www.mvep.hr/zakoni/pdf/468.pdf	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L42	Navigation and internal water ports Act (Official Gazette no. 109/07, 132/07, 51/13 and 152/14)	http://www.zakon.hr/z/495/zakon-o-plovidbi-i-lukama-unutarnjih-voda	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L43	Regulation on environmental impact assessment (Official Gazette no. 61/14)	http://www.mvep.hr/zakoni/pdf/420.pdf	Y	Y	Y	Y	Y	Y	Y	Y	impact assessment procedure

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L44	Regulation on Handling Hazardous Waste (Official Gazette no. 32/98 and 23/07)	http://narodne-novine.nn.hr/clanci/sluzbeni/268126.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L45	Regulation on limit values for pollutant emissions from stationary sources into the air (Official Gazette no. 117/12, 90/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2012_10_117_2520.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L46	Regulation on limit values of pollutants in air (Official Gazette no. 117/12)	http://narodne-novine.nn.hr/clanci/sluzbeni/2012_10_117_2521.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L47	Regulation on strategic environmental impact assessment of plans and programs (Official Gazette no. 64/08)	http://narodne-novine.nn.hr/clanci/sluzbeni/2008_06_64_2176.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L48	Regulation on designation of zones and agglomerations according to air pollution levels (Official Gazette no. 1/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_01_1_24.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L49	Regulation on information and participation of the public and public concerned in environmental matters	http://narodne-novine.nn.hr/clanci/sluzbeni/339666.html	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
		(Official Gazette no. 64/08)										
	HR-L50	Ordinance on the appropriate assessment of the impact on the ecological network (AA) (Official Gazette no. 80/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_12_146_2738.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L51	Ordinance on the manner of transport of dangerous goods by road (Official Gazette no. 53/06)	http://www.propisi.hr/print.php?id=6340	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L52	Ordinance on waste catalogue (Official Gazette no. 94/13.)	http://narodne-novine.nn.hr/clanci/sluzbeni/2015_08_90_1757.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L53	Ordinance on waste management (Official Gazette no. 23/14, 51/14, 121/15 and 132/15)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_02_23_426.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L54	Ordinance on construction waste management (Official Gazette no. 38/08)	http://narodne-novine.nn.hr/clanci/sluzbeni/338795.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L55	Ordinance on Pollutant Emission Register (Official Gazette no. 87/15)	http://narodne-novine.nn.hr/clanci/sluzbeni/2015_08_87_1727.html	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L56	Ordinance on the emission limit values of waste water (Official Gazette no. 80/13, 43/14 27/15 and 3/16)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_06_80_1681.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L57	Ordinance on the management of waste resulting from the exploration and excavation of mineral resources (OG No. 128/08)	http://narodne-novine.nn.hr/clanci/sluzbeni/314956.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L58	Ordinance on the method and procedures for managing waste containing asbestos (Official Gazette no. 14/07)	http://narodne-novine.nn.hr/clanci/sluzbeni/297825.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L59	Instruction on handling asbestos waste (Official Gazette no. 89/08)	http://www.mvep.hr/zakoni/pdf/615.pdf	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L60	Ordinance on highest permitted levels of noise in areas where people work and live (NN 145/04)	http://narodne-novine.nn.hr/clanci/sluzbeni/2004_10_145_2548.html	Y	Y	Y	Y	Y	Y	Y	Y	

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						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L61	Ordinance on protection measures from outdoor noise sources (OG 156/08)	http://narodne-novine.nn.hr/clanci/sluzbeni/2008_12_156_4265.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L62	Environmental Protection Contingency plan (Official Gazette no. 82/99, 86/99, 12/01)	http://narodne-novine.nn.hr/clanci/sluzbeni/271225.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L63	Accidental Marine Pollution Contingency plan (Official Gazette no. 92/08)	http://narodne-novine.nn.hr/clanci/sluzbeni/340813.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L64	Waste Management Plan of the Republic of Croatia for 2007-2015 (Official Gazette no. 85/07, 126/10, 31/11 and 46/15)	http://narodne-novine.nn.hr/clanci/sluzbeni/299087.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L65	Waste Management Strategy of the Republic of Croatia (Official Gazette no. 130/05)	http://narodne-novine.nn.hr/clanci/sluzbeni/289920.html	Y	Y	Y	Y	Y	Y	Y	Y	

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nature conservation, forestry	HR-L66	Nature Protection Act (Official Gazette no. 80/13)	http://www.mvep.hr/zakoni/pdf/544.pdf	Y	Y	Y	Y	Y	Y	Y	Y	conservation of biological and landscape diversity
	HR-L67	Regulation on the ecological network (Official Gazette no. 124/13 and 105/15)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_10_124_2664.html	N	N	Y	Y	Y	Y	Y	Y	construction in the forest
	HR-L68	Forest act (Official Gazette no. 140/05, OG 82/06 129/08, 80/10, 124/10, 25/12, 68/12, 148/13, 94/14)	http://www.zakon.hr/z/294/Zakon-o-%C5%A1umama	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L69	Ordinance on forest management (Official Gazette no. 111/06, 141/08)	http://narodne-novine.nn.hr/clanci/sluzbeni/128205.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L70	Ordinance on forests fire protection (Official Gazette no. 33/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_03_33_599.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L71	Regulation on planning and safeguarding of protected coastal area (OG 128/04)	http://narodne-novine.nn.hr/clanci/sluzbeni/312931.html	N	N	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L72	Regulation on the procedure and criteria to establish usufruct of forest and/or forest land owned by the State for the purposes of extraction of mineral resources (Official Gazette no. 133/07 and 09/11)	http://narodne-novine.nn.hr/clanci/sluzbeni/2007_12_133_3780.html	N	N	Y	Y	Y	Y	Y	Y	
water management	HR-L73	Waters act (Official Gazette no. 153/09, 63/11, 130/11, 56/13, 14/14)	http://www.zakon.hr/z/124/Zakon-o-vodama	Y	Y	Y	Y	Y	Y	Y	Y	use of waters
	HR-L74	Ordinance on conditions for establishing sanitary protection zones (Official Gazette no. 66/11 and 47/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2011_06_66_1460.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L75	Ordinance on Issuing Water Acts (Official Gazette no. 78/10, 79/13, 09/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2010_06_78_2256.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L76	Ordinance on the register of deposited sand and gravel (Official Gazette 80/10, 03/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2010_06_80_2286.html	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L77	Regulation on the register of extraction of sand and gravel (Official Gazette 80/10, 03/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2010_06_80_2285.html	Y	Y	Y	Y	Y	Y	Y		
	HR-L78	National Plan of emergency and accidental water pollution measures (Official Gazette no. 5/11)	http://narodne-novine.nn.hr/clanci/sluzbeni/2011_01_5_82.html	Y	Y	Y	Y	Y	Y	Y		
land use planning, spatial development, soil management	HR-L79	Sustainable Development Strategy of Croatia (Official Gazette no. 30/09)	http://narodne-novine.nn.hr/clanci/sluzbeni/2009_03_30_658.html	Y	Y	Y	Y	Y	Y	Y		
	HR-L80	Physical Planning and Building Act (Official Gazette no. 76/07, 38/09, 55/11, 90/11, 50/12, 55/12, 80/13 and 78/15)	http://narodne-novine.nn.hr/clanci/sluzbeni/2007_07_76_2395.html	Y	Y	Y	Y	Y	Y	Y		
	HR-L81	Physical Planning Act (Official Gazette no. 153/13)	http://www.zakon.hr/z/689/Zakon-o-prostornom-ure%C4%91enju	Y	Y	Y	Y	Y	Y	Y		
	HR-L82	Building Act (Official Gazette no. 153/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_12_153_3221.html	Y	Y	Y	Y	Y	Y	Y		

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L83	Works and Activities in Physical Planning and Construction Act (Official Gazette no. 78/15)	http://narodne-novine.nn.hr/clanci/sluzbeni/2015_07_78_1489.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L84	Regulation on determining structures, other spatial interventions and areas of state and local (regional) character (Official Gazette no. 37/14 and 154/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2015_07_78_1489.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L85	Regulation on designation of projects and construction works for which the location and/or building permit is issued by the Ministry of Environmental Protection, Physical Planning and construction (Official Gazette no. 116/07)	http://narodne-novine.nn.hr/clanci/sluzbeni/329630.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L86	Ordinance on the content, criteria for map projections, required spatial indicators and the standards of physical planning studies (Official Gazette no. 106/98, 39/04, 45/04)	http://narodne-novine.nn.hr/clanci/sluzbeni/1998_08_106_1463.html	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L87	Ordinance on municipalities allowed to adopt spatial development plans with abbreviated contents for the development of the municipality and on the contents, scale of cartographic presentations, and mandatory attachments of such plan (Official Gazette no. 135/10)	http://narodne-novine.nn.hr/clanci/sluzbeni/2010_12_135_3502.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L88	Ordinance on simple buildings and works (Official Gazette no. 79/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_06_79_1476.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L89	Act on procedures and building requirements for investment stimulation (Official Gazette no. 69/09)	http://www.zakon.hr/z/184/Zakon-o-postupanju-i-uvjetima-gradnje-radi-poticanja-ulaqanja	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L90	Agricultural land act (Official Gazette no. 39/13 and 48/15)	http://www.zakon.hr/z/133/Zakon-o-poljoprivrednom-zemlji%C5%A1tu	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L91	Energy Act (Official Gazette no. 120/12, 14/14)	http://www.zakon.hr/z/368/Zakon-o-energiji	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
	HR-L92	Electricity Market Act (Official Gazette no. 22/13)	http://www.zakon.hr/z/377/Zakon-o-tr%C5%BEi%C5%A1tu-elektri%C4%8Dne-energije	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L93	Ordinance on general conditions for construction in the rail safety belt (Official Gazette no. 93/10)	http://narodne-novine.nn.hr/clanci/sluzbeni/2010_07_93_2609.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L94	Ordinance on protection of agricultural land from pollution (Official Gazette no. 9/14)	http://narodne-novine.nn.hr/clanci/sluzbeni/2014_01_9_167.html	Y	Y	Y	Y	Y	Y	Y	Y	
transportation, construction, catastrophe protection, police, military	HR-L95	Roads Act (Official Gazette no. 84/11, 22/13, 54/13, 148/13, 92/14)	http://www.zakon.hr/z/244/zakon-o-cestama	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L96	Road Traffic Safety Act (Official Gazette no. 67/08, 48/10, 74/11, 80/13, 158/13, 92/14)	http://www.mvep.hr/zakoni/pdf/622.pdf	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L97	Railway Act (Official Gazette no. 94/13, 148/13)	http://www.zakon.hr/z/661/Zakon-o-%C5%BEIjeznicji	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L98	Safety and interoperability of the railway system Act	http://www.zakon.hr/z/649/Zakon-o-sigurnosti-i-interoperabilnosti-	Y	Y	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
		(Official Gazette no. 82/13, 18/15, 110/15)	%C5%BEIjezni%C4%8Dkoq-sustava									
	HR-L99	Ordinance on Excessive Use of Public Roads (Official Gazette no. 40/00)	http://narodne-novine.nn.hr/clanci/sluzbeni/2000_04_40_954.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L100	Ordinance on the mode of goods transport by road (Official Gazette no. 54/95)	http://narodne-novine.nn.hr/clanci/sluzbeni/262958.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L101	Building inspection Act (Official Gazette no. 153/13)	http://narodne-novine.nn.hr/clanci/sluzbeni/2013_12_153_3222.html	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L102	Road Transport and Roads Inspection Act (Official Gazette no. 22/14)	http://www.zakon.hr/z/469/zakon-o-inspekciji-cestovnog-prometa-i-cesta	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L103	Ordinance on technical inspection of the building (Official Gazette no. 108/04)	http://narodne-novine.nn.hr/clanci/sluzbeni/312733.html	Y	Y	Y	Y	Y	Y	Y	Y	
culture heritage	HR-L104	Protection and Preservation of Cultural Heritage Act (Official Gazette no. 69/99, 151/03, 157/03, 100/04, 87/09, 88/10, 61/11,	http://www.zakon.hr/z/340/Zakon-o-za%C5%A1titi-i-o%C4%8Duvanju-kulturnih-dobara	Y	N	Y	Y	Y	Y	Y	Y	

Legislative sector	Code	English title	Web link	Permitting provisions (Y/N)	Deadlines (Y/N)	Relevant to (Y/N)			Relevant at (Y/N)			Remarks
						exploration	extraction	post-extraction	local	regional	(central) national	
		25/12, 136/12, 157/13, 152/14 , 98/15)										
public administration, court procedures	HR-L105	Public Procurement Act (Official Gazette no. 90/11, 83/13, 143/13 and 13/14)	http://www.zakon.hr/z/223/Zakon-o-javnoj-nabavi	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L106	Civil Obligations Act (Official Gazette nos. 35/05, 41/08 and 125/11)	http://www.zakon.hr/z/75/Zakon-o-obveznim-odnosima	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L107	General Public Administration Procedure Act(Official Gazette no. 47/09)	http://www.zakon.hr/z/65/Zakon-o-op%C4%87em-upravnom-postupku	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L108	Freedom of Information Act (Official Gazette no. 25/13)	http://www.zakon.hr/z/126/Zakon-o-pravu-na-pristup-informacijama	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L109	Law on Standardization (Official Gazette no. 80/13)	http://www.zakon.hr/z/518/Zakon-o-normizaciji	Y	Y	Y	Y	Y	Y	Y	Y	
	HR-L110	Accreditation Act (Official Gazette no. 158/03, 75/09, 56/13)	http://www.zakon.hr/z/595/Zakon-o-akreditaciji	Y	Y	Y	Y	Y	Y	Y	Y	

1.4 Authorities governing mineral exploration and extraction

The authorities involved in permitting encompass: the Ministry of Economy (issues permits/licenses for exploration and extraction), the Ministry of Environmental and Nature Protection (determines specific conditions, restrictions and consent, impact assessment), the Ministry of Construction and Physical Planning (spatial planning documents necessary to start the procedure for granting a concession), the Ministry of Finance (provides financial and legal documents necessary to start the procedure for granting a concession), and the Ministry of Agriculture (determines specific conditions relating to exploration and exploitation of mineral resources in forests, water management and agricultural land). In some instances, also the Ministry of Culture and Croatian Waters (Legal entity for water management) might be involved.

Table 2: Croatia. Relevant authorities in exploration and extraction permitting.

	Code	Name of entity	English name of entity	Address / web access	Role in permitting	Relevant to			Statute or relevant piece of legislation	Remarks
						exploration	extraction	post extraction		
First instance permitting (local, regional, central, national)	HR-E01	Vlada Republike Hrvatske	Government of the Republic of Croatia	https://vlada.gov.hr/	Provides permits and licenses for exploration and extraction of hydrocarbons	Y	Y	Y		
	HR-E02	Ministarstvo gospodarstva	Ministry of Economy	http://www.min.gov.hr/	Provides permits and licenses for exploration and extraction of other mineral resources	Y	Y	Y		

	Code	Name of entity	English name of entity	Address / web access	Role in permitting	Relevant to			Statute or relevant piece of legislation	Remarks
						exploration	extraction	post extraction		
	HR-E03	Ministarstvo zaštite okoliša i prirode	Ministry of Environmental and Nature Protection	http://www.mzoi.hr/	Determine specific conditions, restrictions and consent relating to exploration and extraction of mineral resources, impact assessment	Y	Y	Y		
	HR-E04	Ministarstvo graditeljstva i prostornog uređenja	Ministry of Construction and Physical Planning	http://www.mgi-pu.hr/	Provides spatial planning documents necessary to start the procedure for granting a concession	Y	N	Y		
	HR-E05	Ministarstvo financija	Ministry of Finance	http://www.mfin.hr/	Provides financial and legal documents necessary to start the procedure for granting a concession	Y	N	N		
	HR-E06	Porezna uprava	Tax Administration	http://www.porezna-uprava.hr/Stran	Provides financial and legal documents necessary to start the procedure for	Y	N	N		

	Code	Name of entity	English name of entity	Address / web access	Role in permitting	Relevant to			Statute or relevant piece of legislation	Remarks
						exploration	extraction	post extraction		
				ice/Naslovnica.aspx	granting a concession					
	HR-E07	Ministarstvo pravosuđa	Ministry of Justice	https://pravosudje.gov.hr/	Provides financial and legal documents necessary to start the procedure for granting a concession	Y	N	N		
	HR-E08	Državni ured za upravljanje državnom imovinom	State Office for State Property Management	https://imovina.gov.hr/	Provides financial and legal documents necessary to start the procedure for granting a concession	Y	N	N		
	HR-E09	Ministarstvo kulture	Ministry of Culture	http://www.min-kulture.hr/	Cultural heritage	Y	N	N		
	HR-E10	Ministarstvo poljoprivrede	Ministry of Agriculture	http://www.mps.hr/	Determine specific conditions relating to exploration and extraction of mineral resources in forests, water	Y	N	N		

	Code	Name of entity	English name of entity	Address / web access	Role in permitting	Relevant to			Statute or relevant piece of legislation	Remarks
						exploration	extraction	post extraction		
					management and agricultural land					
	HR-E11	Ministarstvo pomorstva, prometa i infrastrukture	Ministry of Maritime Affairs, Transport and Infrastructure	http://www.mppi.hr/	Determine specific conditions relating to exploration and extraction of mineral resources	Y	N	N		
	HR-E12	Hrvatske vode	Croatian Waters	http://www.voda.hr/	Perform extraction of renewable reserves of construction sand and gravel from areas of importance for water regime	Y	N	N		
	HR-E13	Agencija za ugljikovodike	Agency for hydrocarbons	http://www.azu.hr/hr-hr/	Involved in the process of providing permits and licenses for exploration and extraction of hydrocarbons	Y	Y	Y		

	Code	Name of entity	English name of entity	Address / web access	Role in permitting	Relevant to			Statute or relevant piece of legislation	Remarks
						exploration	extraction	post extraction		
	HR-E14	Rudarska inspekcija	Mining Inspection	http://www.min.go.hr/page/kategoriya/podrucje-rudarstva	Surveillance of mining activity	Y	Y	Y		
	HR-E15	Inspekcija zaštite okoliša	Environmental Inspection	http://www.mzoiip.hr/hr/inspekcija/nadzor-zastite-okolisa.html	Supervises air pollution and waste disposal	Y	Y	Y		
	HR-E16	Inspekcija zaštite prirode	Nature protection inspection	http://www.mzoiip.hr/hr/inspekcija/nadzor-zastite-prirode.html	Supervises the impact on protected areas and natural areas	Y	Y	Y		
	HR-E17	Sanitarna inspekcija	Sanitary Inspection		Supervises noise protection	Y	Y	Y		
	HR-E18	Vodopravna inspekcija	Water Inspection	http://www.mps.hr/default.aspx?id=8657	Monitors the contamination of surface and groundwater	Y	Y	Y		
	HR-E19	Inspekcijski nadzor	Maritime Safety Inspection		Ensure the security of offshore drilling platforms	Y	Y	Y		

	Code	Name of entity	English name of entity	Address / web access	Role in permitting	Relevant to			Statute or relevant piece of legislation	Remarks
						exploration	extraction	post extraction		
		sigurnosti plovidbe								
	HR-E20	Uredi državne uprave	State Administration Offices	https://uprava.gov.hr/ustrojstvo/uprava-za-politicki-sustav-drzavnu-upravu-te-lokalnu-i-podrucnu-regionalnu-samoupravu/o-drzavnoj-upravi/ustrojstvo-drzavne-uprave-i-struktura-upravljanja/ure-di-drzavne-uprave-u-zupanijama/710	Administrative and other tasks in a single procedure for granting a concession for the extraction of technical construction stone, construction sand and gravel and brick clay - regional level	Y	Y	Y		
	HR-E21	Županijski zavodi za prostorno uređenje	County physical planning departments	http://www.hzpr.hr/default.aspx?id=37	Provide opinions on fitting of mining operation in regional spatial plans	Y	N	Y		

	Code	Name of entity	English name of entity	Address / web access	Role in permitting	Relevant to			Statute or relevant piece of legislation	Remarks
						exploration	extraction	post extraction		
Court jurisdiction	CRO-E22	Upravni sud RH	Administrative Court	www.upravnisu.drh.hr/	supervision	Y	Y	Y		
	CRO-E23	Državno odvjetništvo RH	State Attorney's Office	www.dorh.hr/	restoration	N	N	Y		
	CRO-E24	Trgovački sud RH	Commercial Court	https://sudreg.pravosudje.hr/	legal entity	Y	N	N		

1.5 Licensing procedures for exploration

The Croatian Mining Act (Official Gazette 56/13 and 14/14) regulates exploration of mineral raw materials, approval for exploration of mineral raw materials, mineral raw material reserves, mining projects, extraction of mineral raw materials, concession for extraction of mineral raw materials, construction of mining facilities and installations, mining plans and measurements, single information system of mineral raw materials, qualifications, occupational health and safety measures, restoration of the environment. Also, the activities related to exploration and extraction of mineral resources is regulated by other Acts (Environmental Protection Act, Waters Act, Concession Act) in total some 26 Acts and Ordinances are related to both exploration and extraction of mineral raw materials.

The provisions the Mining Act refer to the exploration and extraction of mineral raw materials found in the earth or its surface, in a river, lake or sea bed and underneath it, within interior sea waters or territorial sea within the borders of the Republic of Croatia, or in the undersea of the Adriatic Sea outside the state territory to the borders with the neighbouring countries.

Differences for the different types of mineral deposits

Mineral raw materials according to the Act are:

1. energy mineral raw materials:

1.1 hydrocarbons (oil, natural gas, gas condensate and ozokerit),

1.2 fossil combustible substances: coal (peat, lignite, brown coal, anthracite), asphalt and oil rocks; radioactive ores; geothermal waters out of which accumulated heat may be used for energy purposes, except the geothermal waters used for healing, balneal and recreational and other purposes, which are covered by regulations on waters,

2. mineral raw materials for industrial processing: graphite, sulphur, barite, mica, gypsum, chalk, flint stone, flint sand, precious stones, bentonite, kaolin, ceramic and refractory clay, feldspar, talc, tuff, raw materials for the production of cement, carbonate mineral raw materials (lime stone and dolomite) for industrial processing, silicate mineral raw materials for industrial processing, all kinds of salts (sea salt) and saline waters, mineral waters from which may be obtained mineral raw materials, except mineral waters used for healing, balneal and recreational purposes or as water for human consumption and other purposes, which are covered by regulations on waters, brome, iodine, peloids,

3. mineral raw materials for production of construction materials: crushed stone (amphibolite, andesite, basalt, diabase, granite, dolomite and lime stone), construction sand and gravel from non-renewable deposits, construction sand and gravel from the sea bed, brick clay,

4. dimension stone,

5. mineral raw materials of metals.

The exploration and extraction of hydrocarbons in Croatia are regulated by the Exploration and extraction of hydrocarbons Act (Official Gazette no. 94/13 and 14/14). These laws are applicable to the whole country.

Description of the permitting procedures

Granting a concession for extraction of mineral raw materials

A single concession granting procedure for extraction scheme is regulated by Art. 19 Mining Act. For extraction of mineral raw materials shall be required a concession for economic use of general or other goods pursuant to the Concessions Act, or a concession for the extraction of mineral raw materials. Granting a concession for extraction shall be performed on the basis of one public tender in a single procedure consisting of the following phases:

- a) procedure with the aim to select the most advantageous bidder for exploration of mineral raw materials for the purpose of granting a concession for extraction,
- b) procedure for the purpose of granting an approval for exploration,
- c) procedure for the purpose of determining an extraction field,
- d) procedure for the purpose of granting a concession for extraction.

Holder

A holder of an approval for exploration of mineral raw materials and a holder of a concession for extraction of mineral raw materials may be a natural person and a legal person with the headquarters or a branch-office in the Republic of Croatia and registered with the competent authority for performing such activities. The holder of an approval for exploration of mineral raw materials and a holder of a concession for extraction of mineral raw materials may be a natural person and a legal person seated in any European Union Member State and registered for performing such activities with the competent authority of the EU Member State in question.

Permitting procedure

Management policy for mineral raw materials is derived from the conceptual diagram shown below in Fig. 1. Its central component is space planning at the regional level with strategic environmental assessment (S.E.A.), which is the basis of spatial planning. Spatial planning accepts the results, conclusions and recommendations about the mineral resources from the mining-geological studies provided by the Strategy of Mineral Resource Management according to the Mining Act.

It is visible that the decision for exploration of mineral raw materials for the purpose of granting a concession for extraction may be issued for areas planned for execution of mining activities in physical planning documents (Are solids in an area planned for mining activity?). A negative decision goes to revision, and can be rejected or accepted. If the answer is "Yes" (solids are in an area planned for the mining activity), the procedure for granting a concession for extraction of mineral raw material can be allowed. This procedure involves environmental impact assessment for micro location (Fig. 1).

Granting a concession for extraction of mineral raw materials is a single concession granting procedure for extraction. Extraction of mineral raw materials shall require a concession for economic use of general or other goods pursuant to the Concessions Act, or a concession for the extraction of mineral raw materials. Granting a concession for extraction shall be performed on the basis of one public tender in a single procedure consisting of the 4 phases (see scheme in Fig. 1).

A concession shall be granted at the request of the natural or legal person in compliance and in the manner laid down by the Concessions Act that has been selected in the public tender procedure in accordance with the provisions of Mining Act as the most advantageous bidder, provided that after the completion of the exploration activities mineral raw material reserves are verified (structure, shape and size). The extraction field is determined in compliance with the location permit and the natural or legal person in question meets also other requirements laid down in Mining Act. All the procedures comprised in an individual phase of the single concession granting procedure shall be conducted by a single body competent for mining affairs (Ministry of economy – Department for mining). After determination of an extraction field, the procedure of passing a decision to grant concession and conclude a concession contract shall be initiated. This procedure shall be initiated at the request if all the requirements specified in Mining Act are met prior to the initiation of the proceedings.

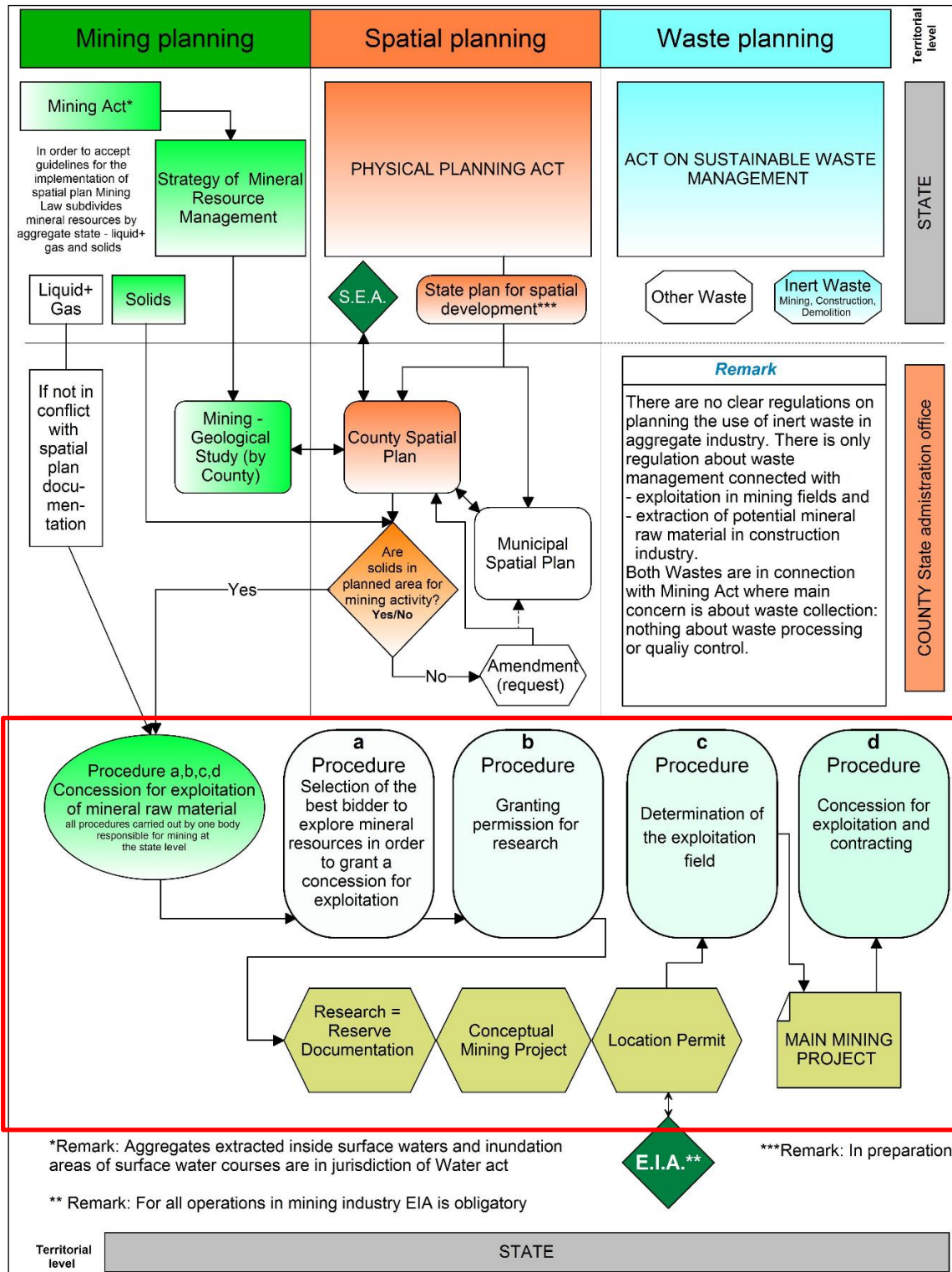
The criteria for selecting the best bidder shall be the criteria laid down in the Concessions Act, the criterion of the economically most advantageous bid in terms of the body competent for mining affairs, related to the subject of the concession provided by the Mining Act, as follows:

1. well-foundedness of the envisaged programme of total exploration activities categorised by type and scope, containing the cost estimate, and a detailed plan of activities which will be carried out in the first year of exploration, in line with special requirements and restrictions,
2. the proposed concession fee,
3. time limit by which exploration of mineral raw materials is intended to be carried out,
4. time limit and plan of rehabilitation of the exploration area, i.e. time limit by which
5. extraction of mineral raw materials is intended to commence,
6. the amount of the appropriate funds sufficient for the performing of mining activities
7. according to the submitted programme of total exploration activities
8. better professional training and greater financial capacity of the bidder to perform mining activities.

Extraction fields shall not be approved to beneficiaries for a period longer than 40 years.

Fig. 1: Croatia. Spatial planning and its interaction with mining laws and waste management act.

Note: in red box permitting procedures.



Source: Kruk et al., (2014)

Timeframes

(1) The ministry responsible for mining shall, when setting deadlines laid down by the provisions of the Mining Act for mineral raw materials referred to in Art. 5 point 1 (energy mineral raw materials) of the Act, adhere to the following criteria:

1. The deadlines referred to Art. 34, 40 and 62 (which include: decision on the selection of the most advantageous bidder, decision approving exploration of mineral raw materials and decision on determination of an exploitation field) of the Mining Act:

- within which public tender costs are to be settled shall be up to 30 days,
- within which a guarantee for costs of rehabilitation of an exploration area must be submitted to the ministry responsible for mining and within which the ministry responsible for mining must be notified of the appointment of the manager in charge of shall be up to four months,
- within which execution of mining activities must commence shall be up to 12 months,
- within which the final report on the conducted exploration and rehabilitation of an

exploration area must be submitted, in case that mineral raw material reserves or geological structures suitable for storage of hydrocarbons and permanent disposal of gases have not been determined by exploration activities, and within which the Study on mineral raw material reserves in an exploration area must be prepared and a decision on the determined quantity and quality of mineral raw material reserves obtained or a Study on geological structures suitable for storage of hydrocarbons and permanent disposal of gases prepared and a decision on the established structure, shape, size and volume of geological structures suitable for storage of hydrocarbons and permanent disposal of gases obtained shall be up to 48 months,

- within which a preliminary mining project for extraction of mineral raw materials must be prepared and submitted to the ministry responsible for mining shall be up to 51 months,
- within which the location permit must be submitted to the ministry responsible for mining and within which the ministry responsible for mining must be asked to determine an extraction field of mineral raw materials shall be up to 60 months,
- within which the general mining project must be prepared and submitted for verification to the ministry responsible for mining shall be up to 66 months,
- within which a concession contract for extraction of mineral raw materials must be concluded with the ministry responsible for mining shall be up to 72 months.

2. The deadlines referred to Art. 49 (which include: decision for further exploration of mineral raw materials on the already established exploitation field for the purpose of granting a concession for exploitation) of the Mining Act:

- within which the body competent for mining affairs must be submitted an updated situation map of an extraction field shall be up to three months,
- within which a preliminary mining project for extraction of mineral raw materials must be prepared and submitted to the body competent for mining affairs shall be up to six months,
- within which execution of further exploration of mineral raw materials must commence shall be up to 12 months,
- within which the Study on mineral raw material reserves must be prepared and within which a decision on the determined quantity and quality of mineral raw material reserves must be obtained or a Study on geological structures suitable for storage of hydrocarbons and permanent disposal of gases prepared and a decision on the established structure, shape, size and volume of geological structures suitable for storage of hydrocarbons and permanent disposal of gases obtained shall be up to 18 months,

- within which the location permit must be submitted to the body competent for mining affairs shall be up to 30 months,
- within which the general mining project must be prepared and submitted for verification to the ministry responsible for mining shall be up to 36 months,
- within which a concession contract for extraction of mineral raw materials must be concluded with the body competent for mining affairs shall be up to 42 months.

3. The deadlines referred to Art. 75 and 76 (which include: decision on granting a concession and concession contract for exploitation of mineral raw materials) of the Mining Act:

- within which the body competent for mining affairs must be submitted a guarantee for costs
- of rehabilitation of an exploitation field, within which the body competent for mining affairs must be notified of the appointment of the manager in charge of execution of mining activities and within which a concession contract for exploitation of mineral raw materials must be concluded shall be up to three months,
- within which the execution of mining activities must commence shall be up to six months.

(2) The body competent for mining affairs shall, when setting deadlines laid down by the provisions of the Mining Act for mineral raw materials referred to in Art. 5 points 2, 3, 4 and 5 (mineral raw materials for industrial processing, mineral raw materials for production of construction materials, dimension stone and mineral raw materials of metals) of the Act, adhere to the following criteria:

1. The deadlines referred to Art. 34, 40 and 62 (which include: decision on the selection of the most advantageous bidder, decision approving exploration of mineral raw materials and decision on determination of an exploitation field) of the Mining Act:

- within which public tender costs must be settled shall be up to 30 days,
- within which the body competent for mining affairs must be submitted a guarantee for costs
- of rehabilitation of an exploration area and within which the body competent for mining affairs must be notified of the appointment of the manager in charge of execution of mining activities shall be up to three months,
- within which the execution of mining activities must commence shall be up to nine months,
- within which the final report on the conducted exploration and rehabilitation of an exploration area must be submitted, in case that mineral raw material reserves have not been determined by exploration activities or within which the Study on mineral raw material reserves in an exploration area must be prepared and a decision on the determined quantity and quality of mineral raw material reserves obtained shall be up to 24 months,
- within which the preliminary mining project for exploitation of mineral raw materials must be prepared and submitted for verification to the ministry responsible for mining shall be up to 26 months,
- within which the location permit must be submitted to the body competent for mining affairs and within which the body competent for mining affairs must be asked to determine an exploitation field of mineral raw materials shall be up to 36 months,
- within which the general mining project must be prepared and submitted for verification to the ministry responsible for mining shall be up to 42 months,
- within which a concession contract for exploitation of mineral raw materials must be concluded with the body competent for mining affairs shall be up to 54 months.

2. The deadlines referred to in Art. 67 (which include: decision on determination of an exploitation field of sea salt or construction sand and gravel from the sea bed) of the Mining Act:

- within which the preliminary mining project for exploitation of mineral raw materials must be prepared and submitted for verification to the ministry responsible for mining shall be up to three months,
- within which the location permit must be submitted to the body competent for mining affairs shall be up to 15 months,
- within which the general mining project must be prepared and submitted for verification to the ministry responsible for mining shall be up to 21 months,
- within which a concession contract for exploitation of mineral raw materials must be concluded with the body competent for mining affairs shall be up to 27 months.

3. The deadlines referred to in Art. 49 (which include: Decision for further exploration of mineral raw materials on the already established exploitation field for the purpose of granting a concession for exploitation) of the Mining Act:

- within which an updated situation map of the exploitation field must be submitted, and for mineral raw materials referred to in Art. 5 points 2, 3, 4 and 5 (mineral raw materials for industrial processing, mineral raw materials for production of construction materials, dimension stone and mineral raw materials of metals) of the Mining Act the same shall contain the identified plots of land (cadastral and land registry plots), shall be 30 days.

4. The deadlines referred to in Art. 75 and 76 (which include: decision on granting a concession and concession contract for exploitation of mineral raw materials) of the Mining Act shall be 30 days.

5. The deadline referred to in Art. 101 (which include: regular rehabilitation) of the Mining Act shall be up to six months.

6. The deadlines referred to in Art. 102 (which include: Subsequent rehabilitation) of the Mining Act:

- within which an updated situational map of the exploitation field must be submitted, and for mineral raw materials referred to in Art. 5 points 2, 3, 4 and 5 of this Act the same shall contain the identified plots of land (cadastral and land registry plot numbers), shall be 30 days,
- within which the preliminary mining project for exploitation of mineral raw materials must be prepared and submitted for verification to the ministry responsible for mining shall be up to 60 days,
- within which shall commence the performing of further exploration of mineral raw materials shall be up to nine months,
- within which a Study on mineral raw materials reserves shall be prepared for rehabilitation of an area and a decision on a determined quantity and quality of mineral raw material reserves obtained shall be up to 12 months,

(3) The deadlines referred to in paragraphs 1 and 2 of this Article shall be counted as from enforceability of the administrative act setting deadlines.

(4) In case of force majeure, deadlines set by administrative acts may be prolonged for the duration of force majeure by the body competent for mining affairs.

(5) The following shall be deemed to be circumstances of force majeure: circumstances beyond reasonable control of the body competent for mining affairs and the mining economic entity which could not have been foreseen, avoided or prevented, in particular war (declared or undeclared), threat of war or existence of circumstances of war, natural disasters, or decisions of state administration bodies, local and regional self-government units the consequence of which is inability to execute mining activities.

(6) The following shall not be deemed circumstances of force majeure: lack of funds and/or any other financial instability of the mining economic entity, payment incapacity, and/or institute bankruptcy or liquidation proceedings against the mining economic entity.

It is difficult to assess the average length to get a permit. Exploration and investigation permits usually take over one year as no environmental assessment is normally requested (but not always). A mining concession can take between 2 and 5 years in the best case, max. 6 years.

Geographic areas covered by the permit

The exploration area of mineral raw materials is a part of the area defined by joining the endpoint coordinates on land and/or the sea, which is designated in a decision issued by the body competent for mining affairs, after a public tender had been conducted, for mineral raw materials exploration for the purpose of granting a concession for extraction (hereinafter referred to as: exploration area).

The extraction field of mineral raw materials is a part of area defined by joining endpoint coordinates on the land and/or the sea on which extraction of mineral raw materials shall be executed, determined by the body competent for mining affairs in accordance with the scope of certified balance reserves of mineral raw materials and location requirements of the executive building permits obtained from the authorities responsible for physical planning (hereinafter: the extraction field).

The provisions the Mining Act refer to the exploration and extraction of mineral raw materials found in the earth or its surface, in a river, lake or sea bed and underneath it, within interior sea waters or territorial sea of the Republic of Croatia, or within the continental shelf of the Republic of Croatia.

Legal nature of the rights

On an exceptional basis, an approval for exploration of mineral raw materials and a contract on concession for extraction of mineral raw materials may, under the conditions laid down by Act relating to the granting of approvals and concessions by subordinate regulations passed on the basis thereof, be transferred to another natural or legal person, upon approval by the body which granted the approval or the concession.

With the transfer of the approval for exploration of mineral raw materials and the concession for extraction of mineral raw materials to another natural or legal person, all rights and obligations arising from the exploration of mineral raw materials in the approved exploration area and/or from the extraction of mineral raw materials on the extraction field concerned shall be transferred to that person as well. The criteria and conditions relating to the transfer of the approval or the concession shall be prescribed by the Government of the Republic of Croatia by virtue of a regulation.

Data on the exploration areas referred to in Art. 38 of the Mining Act shall be entered into the register of exploration areas kept by the body competent for mining affairs. Data on extraction fields shall be entered into the register of extraction fields kept by the body competent for mining affairs.

A concession contract shall provide entitlement for execution of mining activities for the use of the mineral raw materials in economic purposes, or the entitlement for execution of mining activities for a subsequent rehabilitation of a land.

The beneficiary of an exploration area shall, within the deadline set by the decision approving exploration of mineral raw materials for the purpose of granting a concession for extraction, submit the Commission for determination of mineral raw material reserves, referred to in Art. 55 of the Mining Act, the data and documents on mineral raw material reserves, together with a proposal of their classification into classes and categories.

In the areas where extraction is prohibited on the basis of statutory regulations or secondary legislation (e.g. amendments to physical plans, protected coastal area, expansion of borders of legally protected area, etc.), for the locations on which a mining economic entity was already granted a concession, a mining concession or an approval for the execution of mining activities pursuant to a formerly effective regulation prior to the setting of prohibition, the mining economic entity in question shall be entitled to continue extraction unless the Republic of Croatia and/or local/regional self-government units issue a decision revoking the concession and deliver the said decision to the body competent for mining affairs.

Links between the exploration permit and a future license for extraction

The decision approving exploration of mineral raw materials shall, in addition to the data listed in the decision on the selection of the most advantageous bidder referred to in contain the following:

1. name or title of the beneficiary of the exploration area,
2. requirements and restrictions which the beneficiary of the exploration area must respect while executing mining activities,
3. name of the state administration body, local and regional self-government units, legal persons vested with public authorities and other parties which must be notified of the commencement of mining activities execution,
4. quantity and type of mining activities which must be executed during the first year of exploration,
5. quantity of mineral raw materials which may be excavated or extracted from their deposit for the purpose of technological explorations and establishment of extraction conditions,
6. deadline in which the execution of mining activities must commence,
7. for the exploration of the mineral raw materials referred to in Art. 5 points 2, 3, 4 and 5 the land plots on which exploration of mineral raw materials is approved (cadastral and land registry plots numbers),
8. specified requirements and reasons for revoking the approval for mineral raw materials exploration,

9. order to enter the approved exploration area into the register of exploration areas kept by the body competent for mining affairs,
10. deadline by which the decision approving exploration of mineral raw materials is valid.

If the body competent for mining affairs has found, on the basis of the proposed scope and type of mining activities, that the planned mining activities are of such importance as to be performed only on the basis of a mining project, it shall order that prior to the commencement of the mining activities execution an appropriate project or technical documentation be prepared and submitted for verification pursuant to the provisions of the Mining Act.

The beneficiary of the exploration area shall, prior to the commencement of mining activities execution in the exploration area, obtain from the owner/possessor of the land plots a written permission for the mining activities execution, and submit it to the body competent for mining affairs.

A decision on determination of an extraction field shall contain the following:

1. an indication of the Republic of Croatia as the holder of the extraction field,
2. name or title of the mining economic entity as the beneficiary of the extraction field along with the indication of the decision on the basis of which the entity has been selected as the most advantageous bidder for exploration of mineral raw materials for the purpose of granting a concession for extraction,
3. type of the mineral raw materials which will be exploited,
4. name of the extraction field,
5. borders and size of the extraction field,
6. total mineral raw material reserves within the determined extraction field or data on the structure, shape, size and volume of the geological structures suitable for storage of hydrocarbons and permanent disposal of gases,
7. minimum and maximum quantities of annual extraction of mineral raw materials,
8. deadline in which the general mining project must be prepared and submitted for verification to the ministry responsible for mining,
9. deadline in which a concession contract for extraction of mineral raw materials must be concluded with the body competent for mining affairs,
10. order to enter the determined extraction field into the register of extraction fields kept by the ministry responsible for mining,
11. validity of the determined extraction field.

Average length to get an exploration permit

It is difficult to assess the average length to get an exploration permit. Exploration and investigation permits usually take over one year as no environmental assessment is normally requested (but not always). A mining concession can take between 2 and 5 years in the best case, max. 6 years.

1.6 Licensing procedures for extraction

Describe permitting procedures

A single concession granting procedure for extraction scheme is regulated by Art. 19 Mining Act. For extraction of mineral raw materials shall be required a concession for economic use of general or other goods pursuant to the Concessions Act, or a concession for the extraction of mineral raw materials. Granting a concession for extraction shall be performed on the basis of one public tender in a single procedure consisting of the following phases:

- a) procedure with the aim to select the most advantageous bidder for exploration of mineral raw materials for the purpose of granting a concession for extraction,
- b) procedure for the purpose of granting an approval for exploration,
- c) procedure for the purpose of determining an extraction field,
- d) procedure for the purpose of granting a concession for extraction.

Management policy for mineral raw materials is derived from the conceptual diagram shown (scheme). Its central component is space planning at the regional level with strategic environmental assessment (S.E.A.), which is the basis of spatial planning. Spatial planning accepts the results, conclusions and recommendations about the mineral resources from the mining-geological studies provided by Strategy of Mineral Resource Management according to the Mining Act. It is clearly visible that decision for exploration of mineral raw materials for the purpose of granting a concession for exploitation may be issued for areas planned for execution of mining activities in physical planning documents (Are solids in planned area for mining activity?). Negative decision goes to revision, and can be rejected or accepted. If the answer is "Yes" (solids are in planned area for mining activity), we can perform the procedure for granting concession for exploitation mineral raw material. This procedure involves environmental impact assessment for micro location (cf. Fig. 1).

Granting a concession for exploitation of mineral raw materials is a single concession granting procedure for exploitation (scheme). Exploitation of mineral raw materials shall require a concession for economic use of general or other goods pursuant to the Concessions Act, or a concession for the exploitation of mineral raw materials. Granting a concession for exploitation shall be performed on the basis of one public tender in a single procedure consisting of the 4 phases (see scheme in Fig. 1.). A concession shall be granted at the request to the natural person or legal person in compliance and in the manner laid down by the Concessions Act that has been selected in the public tender procedure in accordance with the provisions of Mining Act as the most advantageous bidder, provided that after the completion of the exploration activities mineral raw material reserves are verified (structure, shape and size). The exploitation field is determined in compliance with the location permit and the natural or legal person in question meets also other requirements laid down in Mining Act. All the procedures comprised in an individual phase of the single concession granting procedure shall be conducted by a single body competent for mining affairs (Ministry of economy – Department for mining). After determination of an exploitation field, the procedure of passing a decision to grant concession and conclude a concession contract shall be initiated. This procedure shall be initiated at the request if all the requirements specified in Mining Act are met prior to the initiation of the proceedings.

Average length to get an exploitation permit

Metallic minerals: if the environmental and social stakeholders do not have a negative position about the exploitation application when they are consulted, the license can be granted between 24-36 months.

Construction materials: the average length to get an exploitation permit of mineral raw materials for production of construction materials in Republic of Croatia around 36 days.

Integrity Assessment

In the Republic of Croatia there are no cases of unequal treatment on the basis of nationality of the entrepreneur, administrative barriers to the freedom of establishment, administrative barriers to the freedom of establishment, signals of "mala fide" administration and corruption, as well as basic information on disharmonies in geoinformation confidentiality classification schemes.

Data collected in the course of exploration and/or exploitation of mineral raw materials

All the geological, geochemical, and geophysical data collected in the course of exploration and/or exploitation of mineral raw materials in the Republic of Croatia shall be the property of the Republic of Croatia. The ministry responsible for mining shall be in charge of collecting, storing, processing and disposal of all the geological, geochemical, and geophysical data and results established in the course of exploration and/or exploitation of mineral raw materials in the Republic of Croatia. The operational activities referred to in paragraph 2 of this Article shall be performed by the **Croatian Geological Survey** under the supervision of the ministry responsible for mining. The Republic of Croatia now is in the process of establishing open access to information of public importance.

Main problems or major modifications related to extraction permitting

In the Republic of Croatia all the exploitation permitting procedures is kept by the ministry competent for mining. This "one stop shop" system allows reducing timeframes. Like that, if the environmental and social stakeholders do not have a negative position about the exploitation application when they are consulted, the license can be granted between 24-36 months.

1.7 Court cases on permitting procedures

In the Republic of Croatia, there exist different levels of the courts relevant in minerals permitting appeals. It is important to note that interested clients (not only the applicant) can lodge an appeal against almost all authority resolution on permit applications. Depending on the type of dispute appeals are entrance to in different courts: regional (County Court, Administrative Court, Commercial Court, Municipal Court and Magistrates Court). After all these courts an appeal may be granted to the Supreme Court and Constitutional Court.

In the last 20 years' period (1995-2015), the Supreme Court as final instance in the Republic of Croatia decided in 27 cases, in 16 cases there was an appeal to the County Court, 8 has been appealed to Administrative Court and one appeal on decisions of the Commercial Court, Municipal Court and Magistrates Court.

One third (1/3) of the appeals was accepted, and structure of the cases are: illegal exploitation, extension of the exploitation field, approval of the exploitation field, disposal of mineral raw material and mining operations without concessions.

1.8 Success rates of exploration and extraction permits

Table 3 shows the number of approved exploration permitting applications and extraction permitting applications in the period between 2013-2016.

Table 3: Croatia. Success rates of exploration and exploitation licences and permits (2013-2016).

Year	Exploration permitting applications	Extraction permitting applications
2016	1	14
2015	7	32
2014	-	21
2013	5	30

Incomplete data were collected from the Directorate for Energy and Mining, Department for mining. The last years the number of requested licenses is declining, most often they requested permission for exploration and exploitation of dimensional stone, carbonate raw materials for industrial productions, gypsum and aggregates. The number of approved permits is high (80-90% success rate).

The reasons of the rejection by the authorities are colourful, there are case when

- the applicant did not pay the licensing fee,
- inadequate information in spite of corrective option by the authority,
- the licensee did not submit the exploration TOP,
- lack of co-authority consent, the license did not submit the final exploration report,
- abandoned the area by the licensee itself because of economic reasons.

1.9 EU legislation impacting permits and licenses for exploration and extraction

- 1) Does your country have any restrictive regulation on the private or legal entities performing the duties of an exploration or extraction concessioner, operator and/or holder of mineral rights as compared to the Services Directive (2006/123/EC)?

No.

- 2) Does any of your permitting documentation require the involvement/signature of a geologist or mining engineer? If yes, which are these permits? Does it require a BSc or MSc or PhD or chartered (certified) professional?

Yes. Persons in charge of preparation of studies on mineral raw material reserves, verification of studies on mineral raw material reserves, development of mining projects and verification of mining projects shall pass the licensing examination and improve and perfect their knowledge. It is not required to have BSc or MSc or PhD.

- 3) Do you have a legislation on financial guarantees (with regard to the Extractive Waste Directive, Art. 14)? Is the cost calculation of this guarantee done by an independent third party?

Yes. The amount of the financial guarantee is determined on the basis of the likelihood that the facility/installation will have environmental effects, taking into account, in particular, the category of the facility/installation, the properties of the waste and the future purpose of the rehabilitated land, under the assumption that an independent and qualified third party will assess and carry out all necessary rehabilitation works.

- 4) Is there a list of inert mine waste published in your country in accordance with Art. 1(3) of Comm. Dec. 2009/359/EC?

Yes. Ordinance on the methods and conditions for the landfill of waste, categories and operational requirements for waste landfills provide Annex 3 and Basic criteria for acceptance of waste at various categories of landfill and Criteria for acceptance of waste at landfills for inert waste. In that criteria are defined Limits values for waste eluate parameters. Additional limit values for waste pollution parameters and the following inert waste may be accepted at landfills for inert waste without prior testing of eluate and organic pollution parameters.

Key number	Type	Restrictions
10 11 03	Waste glass-based fibrous materials	Only without organic binders
15 01 07	Glass packaging	
17 01 01	Concrete	Selected construction and demolition waste only *
17 01 02	Bricks	Selected construction and demolition waste only *
17 01 03	Tiles and ceramics	Selected construction and demolition waste only *
17 01 07	Mixtures of concrete, bricks, tiles and ceramics	Selected construction and demolition waste only *
17 02 02	Glass	
17 05 04	Soil and stones	Excluding topsoil, peat; excluding soil and stones from contaminated sites
19 12 05	Glass	
20 01 02	Glass	Separately collected glass only
20 02 02	Soil and stones	Only from garden and parks waste; Excluding top soil, peat

**Selected construction and demolition waste with low contents of other types of materials (like metals, plastic, soil, organics, wood, rubber, etc.); and no construction and demolition waste polluted with inorganic or organic dangerous substances e.g. because of production processes in the construction, soil pollution, storage and usage of pesticides or other dangerous substances etc., unless it is made clear that the demolished construction was not significantly polluted; and no construction and demolition waste which is treated, covered or painted with materials containing dangerous substances in significant amounts. The origin of waste must be known. If the waste listed in the table is polluted or contains other materials or substances such as metals, asbestos, plastics, chemicals etc. to an extent which increases the risk associated with the waste sufficiently to justify its depositing in other categories of landfills, it shall not be accepted at a landfill for inert waste.*

- 5) Do you use the risk assessment of 2009/337/EC Commission Decision of 20 April 2009 on the definition of the criteria for the classification of waste facilities in accordance with Annex III of Directive 2006/21/EC of the European Parliament and of the Council concerning the management of waste from extractive industries for abandoned sites as well?

Yes. The Ordinance on the management of waste resulting from the exploration and excavation of mineral resources provide the obligation for use the risk assessment.

The facility/installation of category A must not commence with the disposal of extractive waste before the operator has obtained a permit from the competent authority. The permit application shall include the name of the operator, the proposed facility/installation site, possible alternative sites as well as data provided under the Waste Act. The application shall be accompanied by:

- the extractive waste management plan*
- a proposal of a financial guarantee,*
- environmental protection measures and environmental monitoring programme, where the project concerned is subject to the requirement of obligatory environmental impact assessment.*

- 6) Has your country applied the waiver of the Landfill Directive paragraph 3 of Art. 3: MS may declare at their own option, that the deposit of non-hazardous non-inert mine waste, to be defined by the committee established under Art. 17 of this Directive can be exempted from the provisions in Annex I, points 2, 3.1, 3.2 and 3.3 (location screening, multiple barriers, leachate collection)?

Yes. According to the Ordinance on the management of waste resulting from the exploration and excavation of mineral resources the requirements referred to Annex I, points 2, 3.1, 3.2 and 3.3 (location screening, multiple barriers, leachate collection) need not apply for landfills for inert waste if prescribed environmental impact assessment procedures show that there are no adverse impacts on the quality of soil, groundwater and surface water.

- 7) Does a mine operator have to prepare and submit both a general waste management plan and a mine waste management plan as well? To the same or separate authorities?

Yes. According to the Ordinance on the management of waste resulting from the exploration and excavation of mineral resources operator shall prepare an extractive waste management plan that shall include measures for the reduction, treatment, recovery and disposal of waste, by taking into account the principle of sustainable development.

- 8) Has your national legislation transposed the Accounting Directive (2013/34/EC), with special regards its Art. 41-48 on the extractive industry? Do these rules on financial reporting appear in the concession law or mining act either?

Yes. According to the Mining Act Concession contract for exploitation of mineral raw materials must contain amount and method of payment of the concession fee. The Mining Act is in accordance with the Concessions Act.

- 9) Has your national legislation transposed the Transparency Directive (2004/109/EC, 2013/50/EU), especially Article on the extractive industry? Do these rules appear in the concession law or mining act either?

No.

- 10) Does your competent authority ask for or check the CE marks of the exploration or extraction equipments when permitting or when having on-site inspections? Does the mining authority have a regulatory/supervision right in product safety/market surveillance in accordance with Regulation (EC) No 765/2008 of the European

Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance?

No. The competent authority does not ask for or check the CE marks of the exploration or extraction equipments when permitting or when having on-site inspections. The mining authority haven't a regulatory/supervision right in product safety/market surveillance in accordance with Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance.