



Compartiment
Inginerie și Protecția
Mediului

Client: **PETROTEL LUKOIL S.A.**

Lucrare: **DETERMINAREA ȘI REPREZENTAREA GRAFICĂ A ZONELOR DE IMPACT
DIN JURUL PETROTEL LUKOIL ÎN CARE SE POT MANIFESTA CONSECINȚELE
UNUI ACCIDENT MAJOR**

Nr. proiect:
MD 1007.025

**Tabel cu scenariile de accident major cu efecte în afara amplasamentului
PETROTEL-LUKOIL**

Nr. Crt.	Tipul evenimentului	Substanța periculoasă implicată	Locul de manifestare al evenimentului	Frecvența de manifestare	Dimensiunea zonelor de impact (m)				Condiții meteo	ID_scenariu
					Zona I	Zona II	Zona III	Zona IV		
Instalația Distilare atmosferică în vid – DAV 3										
1	Explozie <i>UVCE</i>	Fracții C3-C5	Vasul de reflux 01-V1	10^{-5} an^{-1}	66	110	190	362	-	Ploiesti_LUKOIL_DAV_EX_Vas01V1_0,00001_28032018
2	Explozie <i>CVE</i>	Vapori HC	Coloana DV 01-C5	10^{-5} an^{-1}	71	120	204	393	-	Ploiesti_LUKOIL_DAV_EX_Coloana01C5_0,00001_28032018
Instalația Hidrofinare petrol-motorină-HPM										
3	Explozie <i>UVCE</i>	Amestec hidrogen – vapori motorină	Reactorul de hidrotratare 06-R2	10^{-5} an^{-1}	89	140	239	461	-	Ploiesti_LUKOIL_HPM_EX_Reactor06R2_0,00001_28032018
4	Explozie <i>UVCE</i>	Amestec de hidrogen – benzine	Coloana de fracționare 06-MC1	10^{-5} an^{-1}	49	82	140	271	-	Ploiesti_LUKOIL_HPM_EX_Coloana06_0,00001_28032018
Instalație Hidrofinare benzină și Reformare catalitică										
5	Explozie <i>CVE</i>	Amestec hidrogen-benzină	Cuptorul de încălzire materie primă 03-MH1	10^{-5} an^{-1}	59	100	170	328	-	Ploiesti_LUKOIL_HBRC_EX_Cuptor03_0,00001_28032018



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					Zona I	Zona II	Zona III	Zona IV		
6	Explozie <i>UVCE</i>	Vapori HC	Reactorul treapta I 03-R1	10^{-5} an^{-1}	66	112	190	368	-	Ploiesti_LUKOIL_HB RC_EX_React03R1_0, 00001_28032018
7	Dispersie toxică 10 min	Gaze cu H ₂ S	Traseu de gaze la instalația HB	10^{-5} an^{-1}	54	259	386	2600	CM1	Ploiesti_LUKOIL_HB RC_TOX_InstHB_0,00 001_29032018_10minC M1
8	Dispersie toxică 30 min	Gaze cu H ₂ S	Traseu de gaze la instalația HB	10^{-5} an^{-1}	59	305	451	2700		Ploiesti_LUKOIL_HB RC_TOX_InstHB_0,00 001_29032018_30minC M1
9	Dispersie toxică 60 min	Gaze cu H ₂ S	Traseu de gaze la instalația HB	10^{-5} an^{-1}	62	340	501	2900		Ploiesti_LUKOIL_HB RC_TOX_InstHB_0,00 001_29032018_60minC M1
10	Dispersie toxică 10 min	Gaze cu H ₂ S	Traseu de gaze la instalația HB	10^{-5} an^{-1}	40	142	194	1600	CM2	Ploiesti_LUKOIL_HB RC_TOX_InstHB_0,00 001_29032018_10minC M2
11	Dispersie toxică 30 min	Gaze cu H ₂ S	Traseu de gaze la instalația HB	10^{-5} an^{-1}	43	160	222	1700		Ploiesti_LUKOIL_HB RC_TOX_InstHB_0,00 001_29032018_30minC M2



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					Zona I	Zona II	Zona III	Zona IV		
12	Dispersie toxică 60 min	Gaze cu H ₂ S	Traseu de gaze la instalația HB	10 ⁻⁵ an ⁻¹	44	175	242	1900	-	Ploiesti_LUKOIL_HB RC_TOX_InstHB_0,00 001_29032018_60minC M2
13	Explozie UVCE	Vapori HC	Reactorul de reformare catalitică 04-R1	10 ⁻⁵ an ⁻¹	72	121	207	397	-	Ploiesti_LUKOIL_HB RC_EX_React04R1_0, 00001_29032018
Instalațiile Fraționare gaze și Izomerizare fracție C5-C6										
14	Explozie UVCE	Propan	Coloana de depropanizare 05-C3	10 ⁻⁵ an ⁻¹	71	119	203	391	-	Ploiesti_LUKOIL_FGI FC5C6_EX_Coloana05_0,00001_29032018
15	Explozie UVCE	i-Pentan	Coloana de separare izopentan 76-C1	10 ⁻⁵ an ⁻¹	77	129	220	424	-	Ploiesti_LUKOIL_FGI FC5C6_EX_Coloana76_0,00001_29032018
Fabricile de hidrogen 1 și 2										
16	Explozie CVE	Hidrogen	Reformer Fabrica de hidrogen 1	10 ⁻⁵ an ⁻¹	53	88	150	290	-	Ploiesti_LUKOIL_FabricaH1_EX_Reformer_0,00001_27032018
17	Explozie CVE	Hidrogen	Reformer Fabrica de hidrogen 2	10 ⁻⁵ an ⁻¹	53	88	150	290	-	Ploiesti_LUKOIL_FabricaH2_EX_Reformer_0,00001_27032018
Instalația Hidrodesulfurare benzină cracare catalitică (HDS)										



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					Zona I	Zona II	Zona III	Zona IV		
18	Explozie <i>UVCE</i>	Amestec benzină - hidrogen	Reactorul de hidrodesulfurare 75-R102	10^{-5} an^{-1}	95	160	272	525	-	Ploiesti_LUKOIL_HDS_EX_Reactor75R102_0,00001_27032018
Instalația cocsare										
19	Explozie <i>UVCE</i>	HC	Cameră de cocsare 02-R1	10^{-5} an^{-1}	61	102	174	336	-	Ploiesti_LUKOIL_Cocsare_EX_Camera02R1_0,00001_27032018
20	Explozie <i>UVCE</i>	HC	Coloana de stabilizare benzină 02-C4	10^{-5} an^{-1}	65	109	185	357	-	Ploiesti_LUKOIL_Cocsare_EX_Coloana02C4_0,00001_27032018
Instalația Desulfurare gaze – Recuperare sulf – Recuperare gaze faclă – Evacuare gaze faclă										
21	Dispersie toxică 10 min	H ₂ S	Traseul de alimentare a sobei Claus	10^{-5} an^{-1}	139	584	808	4900	CM 1	Ploiesti_LUKOIL_DG_RSRGFEGF_TOX_SobaClaus_0,00001_29032018_10minCM1
22	Dispersie toxică 30 min	H ₂ S	Traseul de alimentare a sobei Claus	10^{-5} an^{-1}	151	669	917	5300		Ploiesti_LUKOIL_DG_RSRGFEGF_TOX_SobaClaus_0,00001_29032018_30minCM1
23	Dispersie toxică 60 min	H ₂ S	Traseul de alimentare a sobei Claus	10^{-5} an^{-1}	158	730	998	5600		Ploiesti_LUKOIL_DG_RSRGFEGF_TOX_SobaClaus_0,00001_29032018_60minCM1



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24	Dispersie toxică 10 min	H ₂ S	Traseul de alimentare a sobei Claus	10 ⁻⁵ an ⁻¹	104	378	525	3700	CM 2	Ploiesti_LUKOIL_DG RSRGFEGF_TOX_SobaClaus_0,00001_29032018_10minCM2
25	Dispersie toxică 30 min	H ₂ S	Traseul de alimentare a sobei Claus	10 ⁻⁵ an ⁻¹	112	432	598	3900		Ploiesti_LUKOIL_DG RSRGFEGF_TOX_SobaClaus_0,00001_29032018_30minCM2
26	Dispersie toxică 60 min	H ₂ S	Traseul de alimentare a sobei Claus	10 ⁻⁵ an ⁻¹	116	472	654	4200		Ploiesti_LUKOIL_DG RSRGFEGF_TOX_SobaClaus_0,00001_29032018_60minCM2
27	Explozie CVE	Gaze de faclă	Turnul de faclă de joasă presiune 21/1-F1	10 ⁻⁵ an ⁻¹	27	46	78	150	-	Ploiesti_LUKOIL_DG RSRGFEGF_EX_TurnulF1_0,00001_27032018
Instalația AFPE										
28	Incendiu <i>pool fire</i>	Țiței	Rezervorul T2/5 de 50 000 mc	10 ⁻⁵ an ⁻¹	112	150	178	230	-	Ploiesti_LUKOIL_AFP E_I_RezervorT25_0,0001_27032018
29	Explozie CVE	Țiței	Rezervorul T2/5 de 50 000 mc	10 ⁻⁵ an ⁻¹	80	134	229	441	-	Ploiesti_LUKOIL_AFP E_EX_RezervorT25_0,00001_27032018



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30	Incendiu <i>pool fire</i>	Țiței	Rezervor de țiței T6 de 20.000 m ³	10 ⁻⁵ an ⁻¹	85	115	142	200	-	Ploiesti_LUKOIL_AFP E_I_RezervorT6_0,000 01_27032018
31	Explozie <i>CVE</i>	Țiței	Rezervor de țiței T6 de 20.000 m ³	10 ⁻⁵ an ⁻¹	59	98	168	324	-	Ploiesti_LUKOIL_AFP E_EX_RezervorT6_0,0 0001_27032018
32	Explozie <i>CVE</i>	Țiței	Rezervor de țiței T8 de 20.000 m ³	10 ⁻⁵ an ⁻¹	59	98	168	324	-	Ploiesti_LUKOIL_AFP E_EX_RezervorT8_0,0 0001_27032018
33	Explozie <i>CVE</i>	Țiței	Rezervor de țiței T75 de 5.000 m ³	10 ⁻⁵ an ⁻¹	37	62	105	203	-	Ploiesti_LUKOIL_AFP E_EX_RezervorT75_0, 00001_27032018
34	Incendiu <i>pool fire</i>	Benzină	Rezervorul T3/5 de 50 000 m ³	10 ⁻⁵ an ⁻¹	108	146	172	230	-	Ploiesti_LUKOIL_AFP E_I_RezervorT35_0,00 001_27032018
35	Explozie <i>CVE</i>	Benzină	Rezervorul T3/5 de 50 000 m ³	10 ⁻⁵ an ⁻¹	89	150	255	492	-	Ploiesti_LUKOIL_AFP E_EX_RezervorT35_0, 00001_27032018
36	Incendiu <i>pool fire</i>	Benzină	Rezervor de benzină R5 de 2.000 m ³	10 ⁻⁵ an ⁻¹	37	55	73	114	-	Ploiesti_LUKOIL_AFP E_I_RezervorR5_0,000 01_27032018
37	Explozie <i>CVE</i>	Benzină	Rezervor de benzină R5 de 2.000 m ³	10 ⁻⁵ an ⁻¹	31	51	87	169	-	Ploiesti_LUKOIL_AFP E_EX_RezervorR5_0,0 0001_27032018



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38	Incendiu <i>pool fire</i>	Motorină	Rezervorul T1/5 de 50.000 m ³	10 ⁻⁵ an ⁻¹	92	123	146	187	-	Ploiesti_LUKOIL_AFP E_I_RezervorT15_0,00 001_27032018
39	Incendiu <i>pool fire</i>	Motorină	Rezervor de motorină T3 de 20.000 m ³	10 ⁻⁵ an ⁻¹	73	95	115	162	-	Ploiesti_LUKOIL_AFP E_I_RezervorT3_0,000 01_27032018
40	Incendiu <i>pool fire</i>	Motorină	Rezervor de motorină R2 de 2.000 m ³	10 ⁻⁵ an ⁻¹	30	44	56	85	-	Ploiesti_LUKOIL_AFP E_I_RezervorR2_0,000 01_27032018
41	Incendiu <i>pool fire</i>	Motorină	Rezervorul de motorină T89 (rampă auto) de 600 m ³	10 ⁻⁵ an ⁻¹	26	38	48	107	-	Ploiesti_LUKOIL_AFP E_I_RezervorT89_0,00 001_27032018
42	Explozie <i>UVCE</i>	Fracție C5-C6	Rezervor sferic F971A de fracție C5-C6 de 1000 m ³	10 ⁻⁵ an ⁻¹	142	238	406	784	-	Ploiesti_LUKOIL_AFP E_EX_RezervorF971A _0,00001_28032018
43	Explozie <i>UVCE</i>	Fracție C5-C6	Rezervor sferic F971B de fracție C5-C6 de 1000 m ³	10 ⁻⁵ an ⁻¹	142	238	406	784	-	Ploiesti_LUKOIL_AFP E_EX_RezervorF971B _0,00001_28032018



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					Zona I	Zona II	Zona III	Zona IV		
44	Explozie <i>UVCE</i>	Fracție C5-C6	Rezervor cilindric V1 de fracție C5-C6 de 200 m ³	10 ⁻⁵ an ⁻¹	83	139	237	457	-	Ploiesti_LUKOIL_AFP E_EX_RezervorV1_0,0 0001_28032018
45	Explozie <i>UVCE</i>	Fracție C5-C6	Rezervor cilindric V5 de fracție C5-C6 de 200 m ³	10 ⁻⁵ an ⁻¹	83	139	237	457	-	Ploiesti_LUKOIL_AFP E_EX_RezervorV5_0,0 0001_28032018
46	Explozie <i>UVCE</i>	Fracție C5-C6	Rezervor cilindric V19 de fracție C5-C6 de 200 m ³	10 ⁻⁵ an ⁻¹	83	139	237	457	-	Ploiesti_LUKOIL_AFP E_EX_RezervorV19_0, 00001_28032018
47	<i>BLEVE</i>	GPL	Rezervor sferic de Aragaz T150 de 1000 m ³	10 ⁻⁵ an ⁻¹	96	309	427	551	-	Ploiesti_LUKOIL_AFP E_I_RezervorT150_0,0 0001_28032018
48	<i>BLEVE</i>	Aragaz / GPL	Rezervor cilindric de Aragaz/GPL V11 de 200 m ³	10 ⁻⁵ an ⁻¹	56	136	193	253	-	Ploiesti_LUKOIL_AFP E_I_RezervorV11_0,00 001_28032018



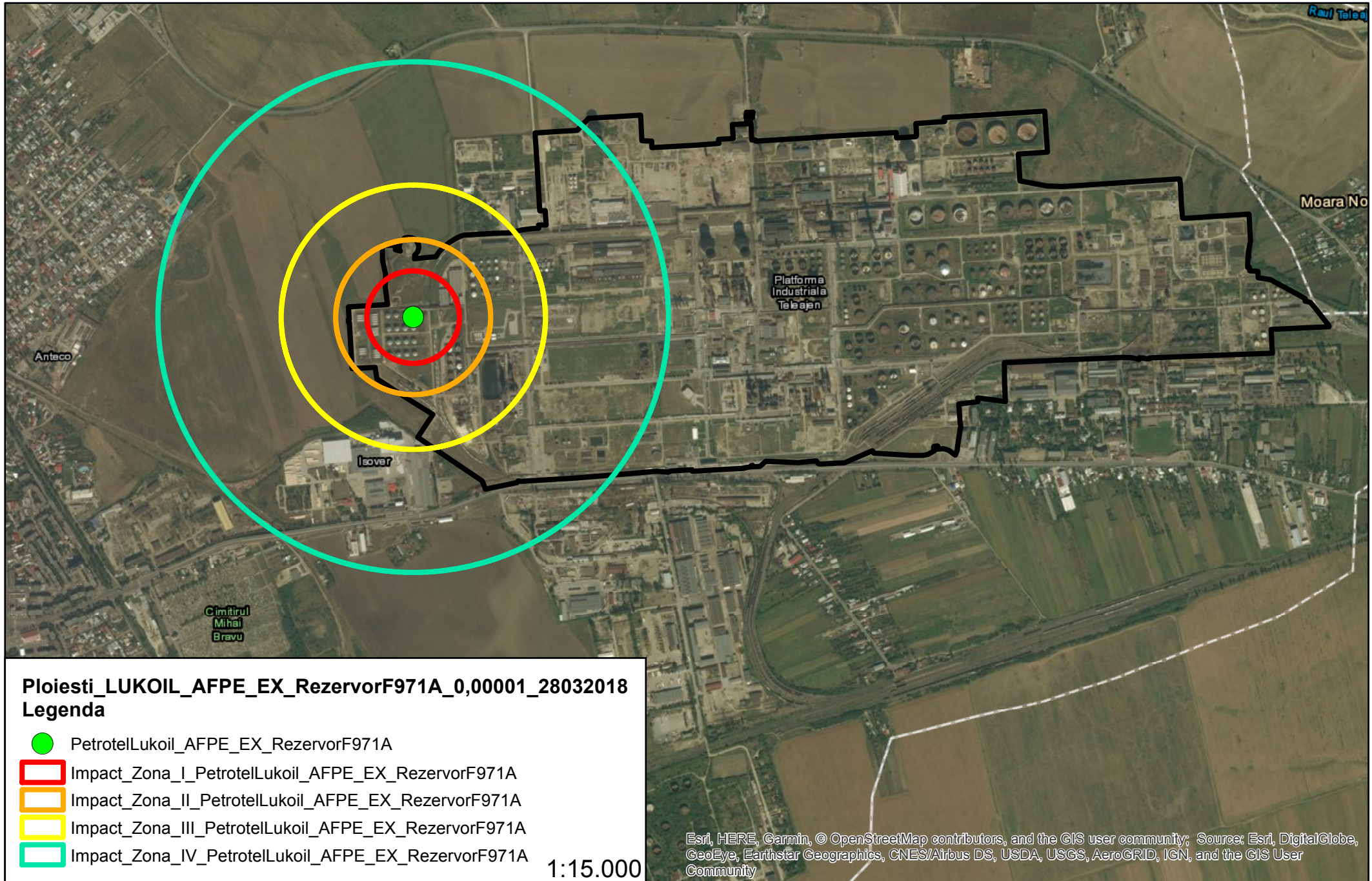
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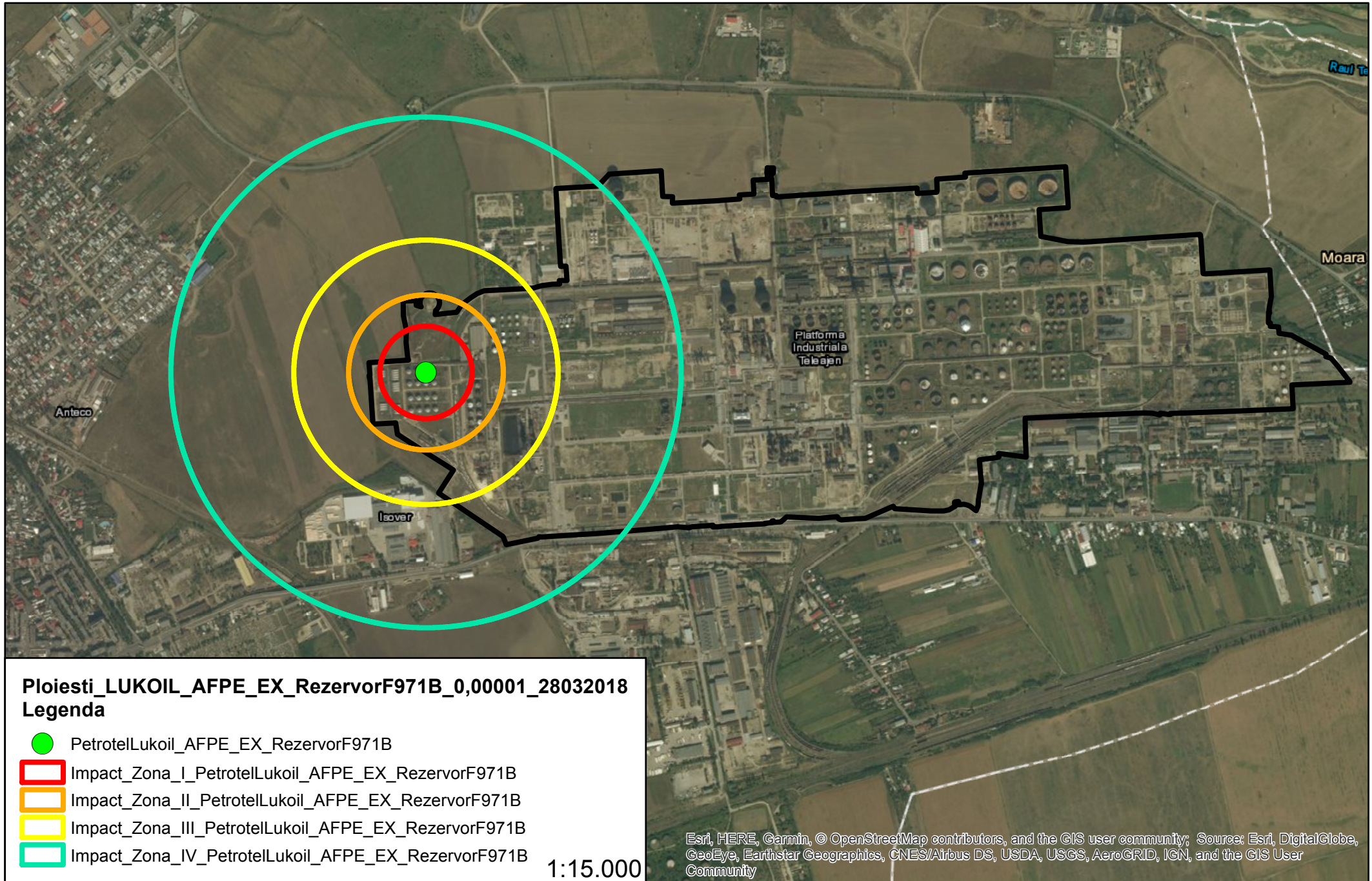
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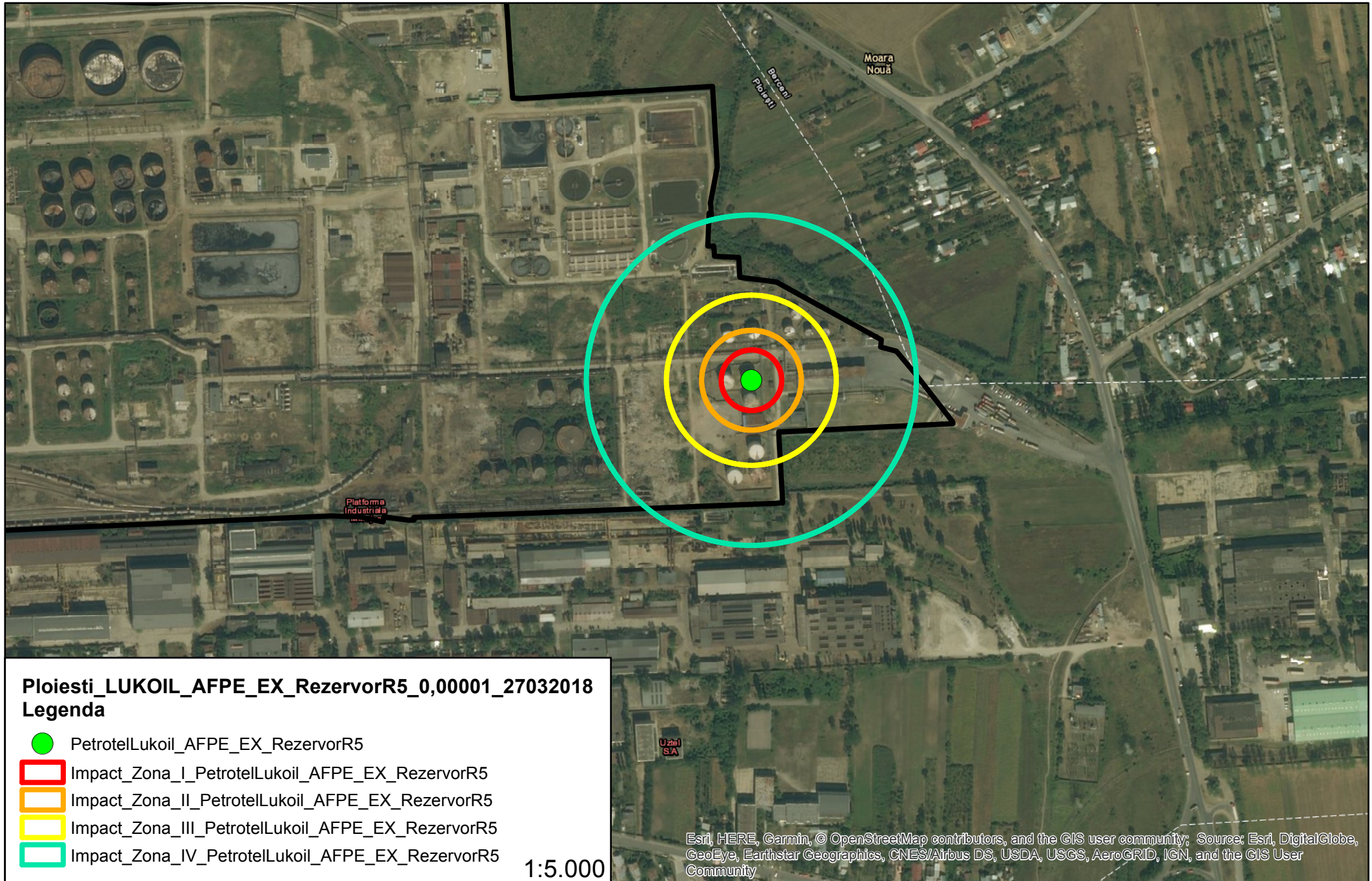
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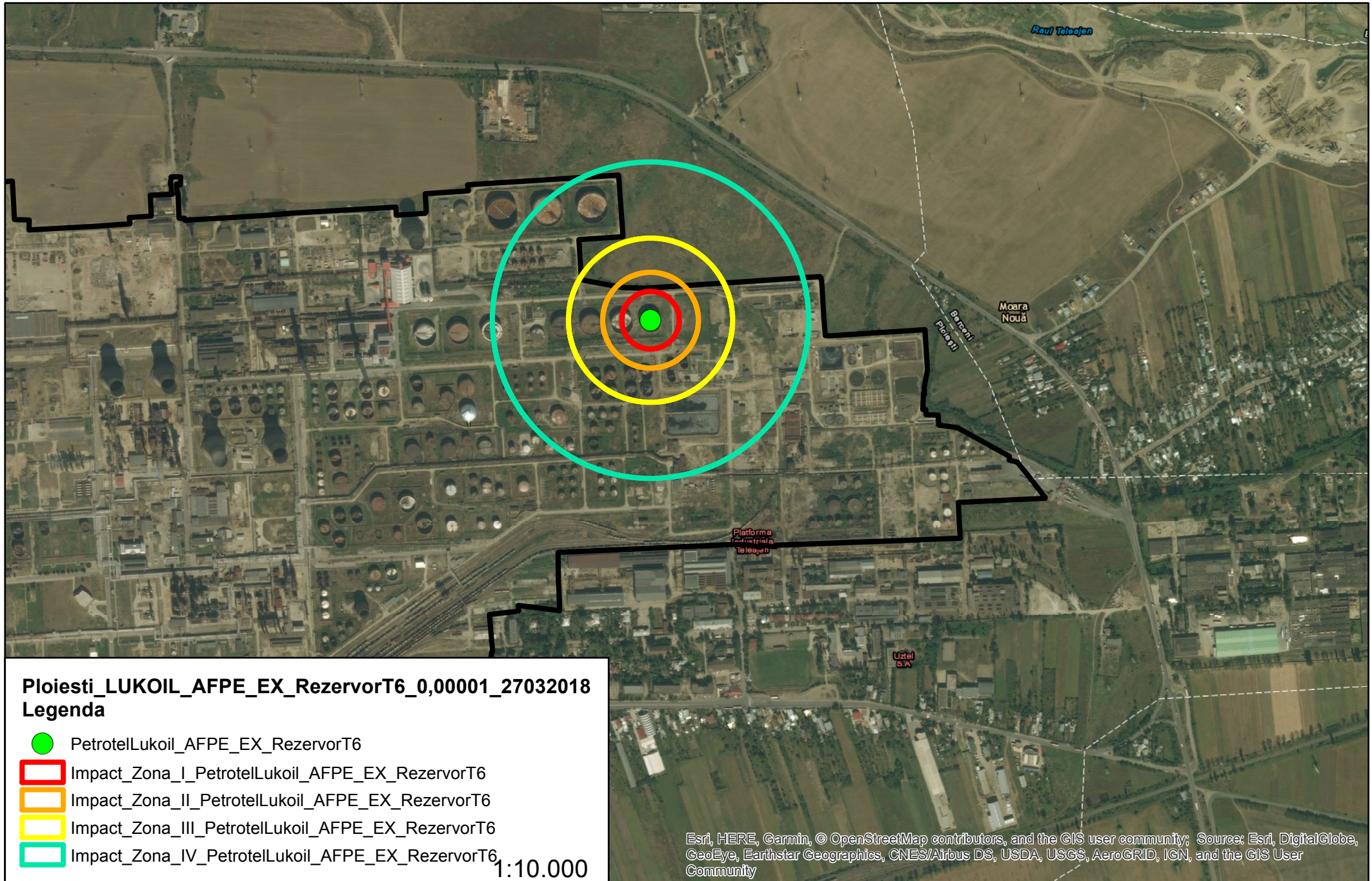
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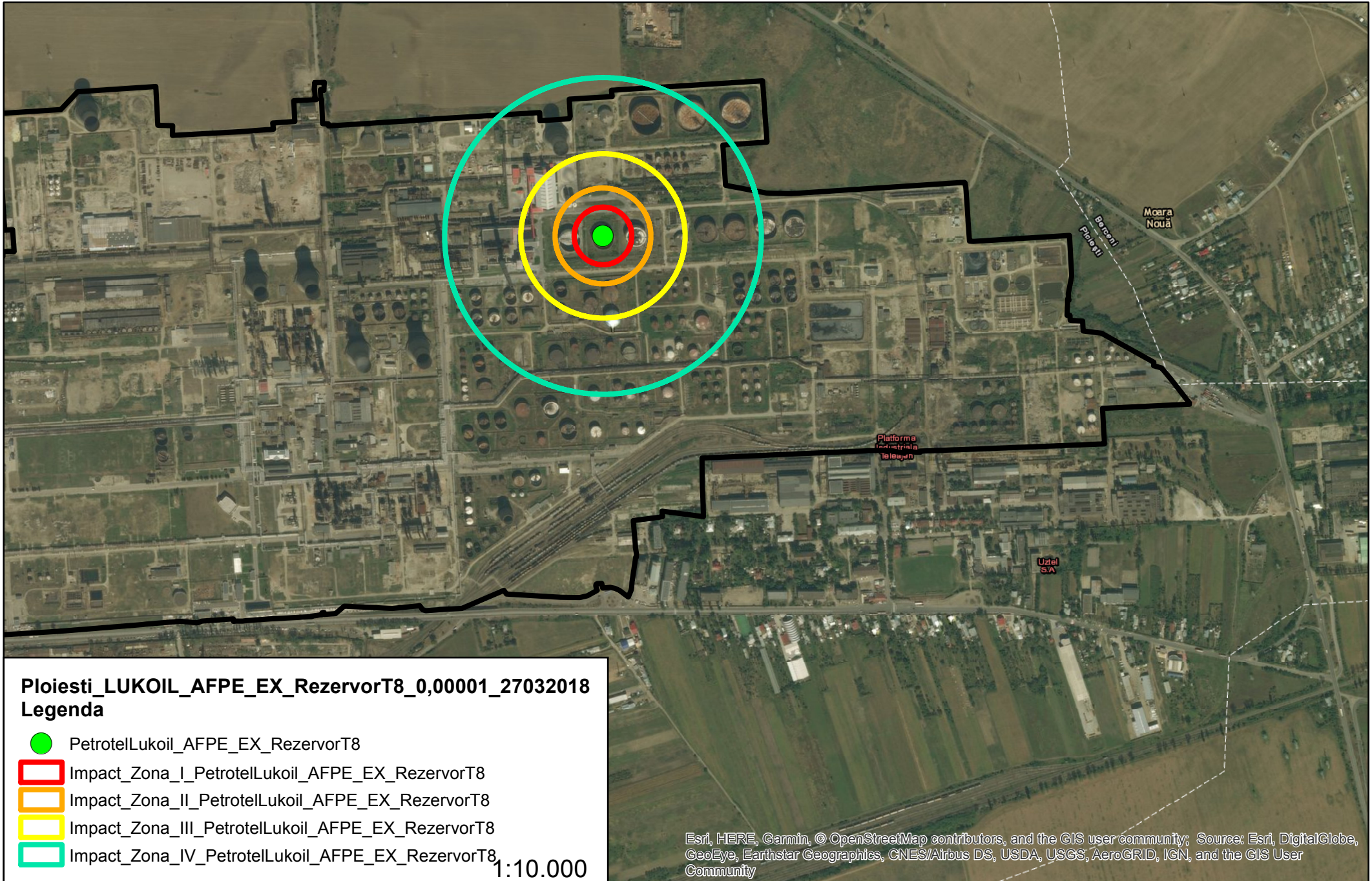
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49	<i>BLEVE</i>	Propilenă / Propan / Autogaz	Rezervor sferic de propilenă / propan / autogaz T155 de 1000 m ³	10 ⁻⁵ an ⁻¹	129	476	652	838	-	Ploiesti_LUKOIL_AFP E_I_RezervorT155_0,0 0001_28032018
50	<i>BLEVE</i>	Propan	Rezervor cilindric de propan V14 de 200 m ³	10 ⁻⁵ an ⁻¹	75	213	298	386	-	Ploiesti_LUKOIL_AFP E_I_RezervorV14_0,00 001_28032018
51	Incendiu <i>pool fire</i>	Țiței	Vagon cisternă la rampa CF descărcare țitei	10 ⁻⁵ an ⁻¹	15	23	30	50	-	Ploiesti_LUKOIL_AFP E_I_VagonTitei_0,000 01_28032018
52	<i>BLEVE</i>	GPL	Vagon cisternă la rampa CF gaze lichefiate	10 ⁻⁵ an ⁻¹	44	91	133	176	-	Ploiesti_LUKOIL_AFP E_I_VagonGPL_0,000 01_28032018

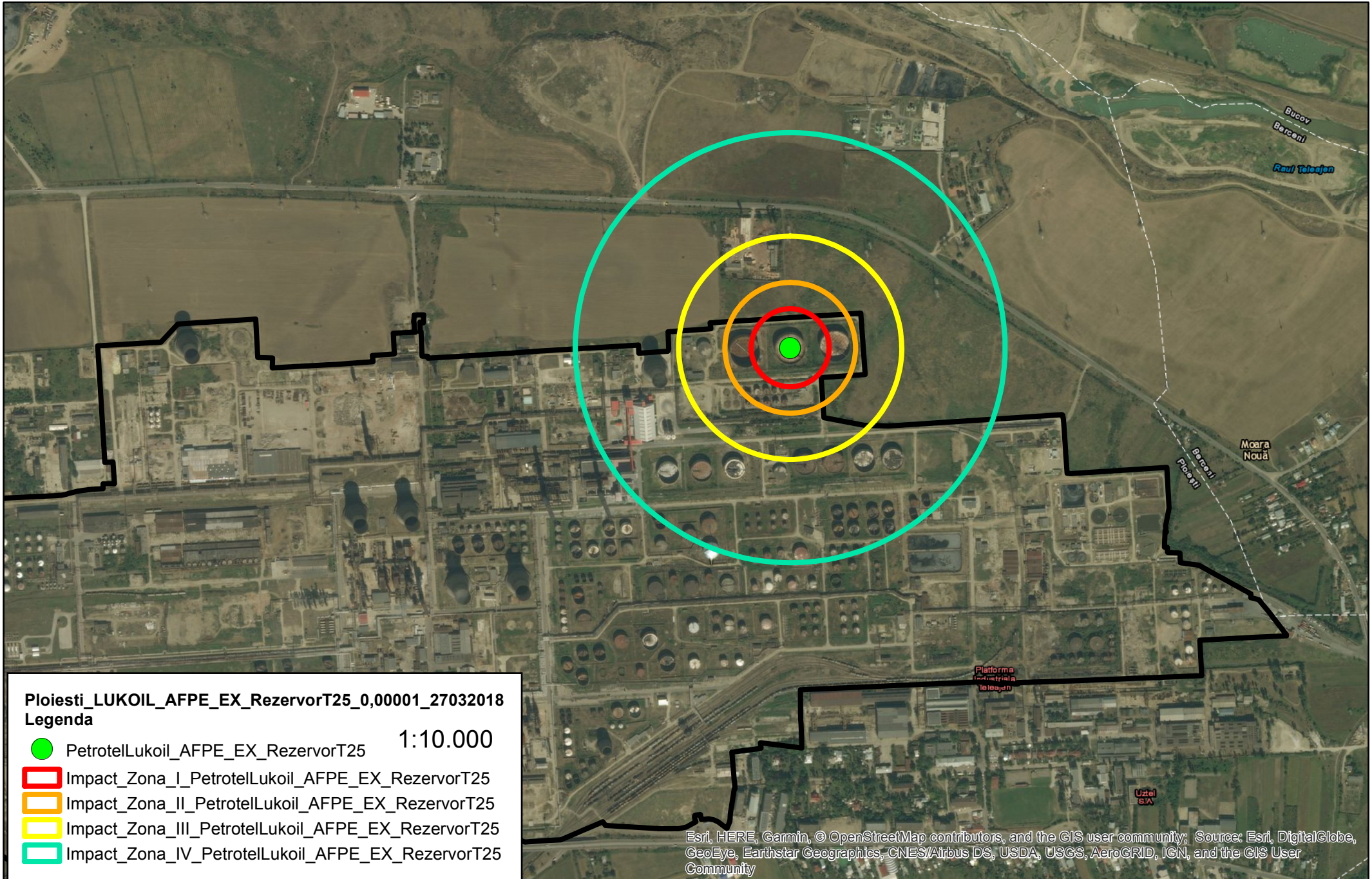








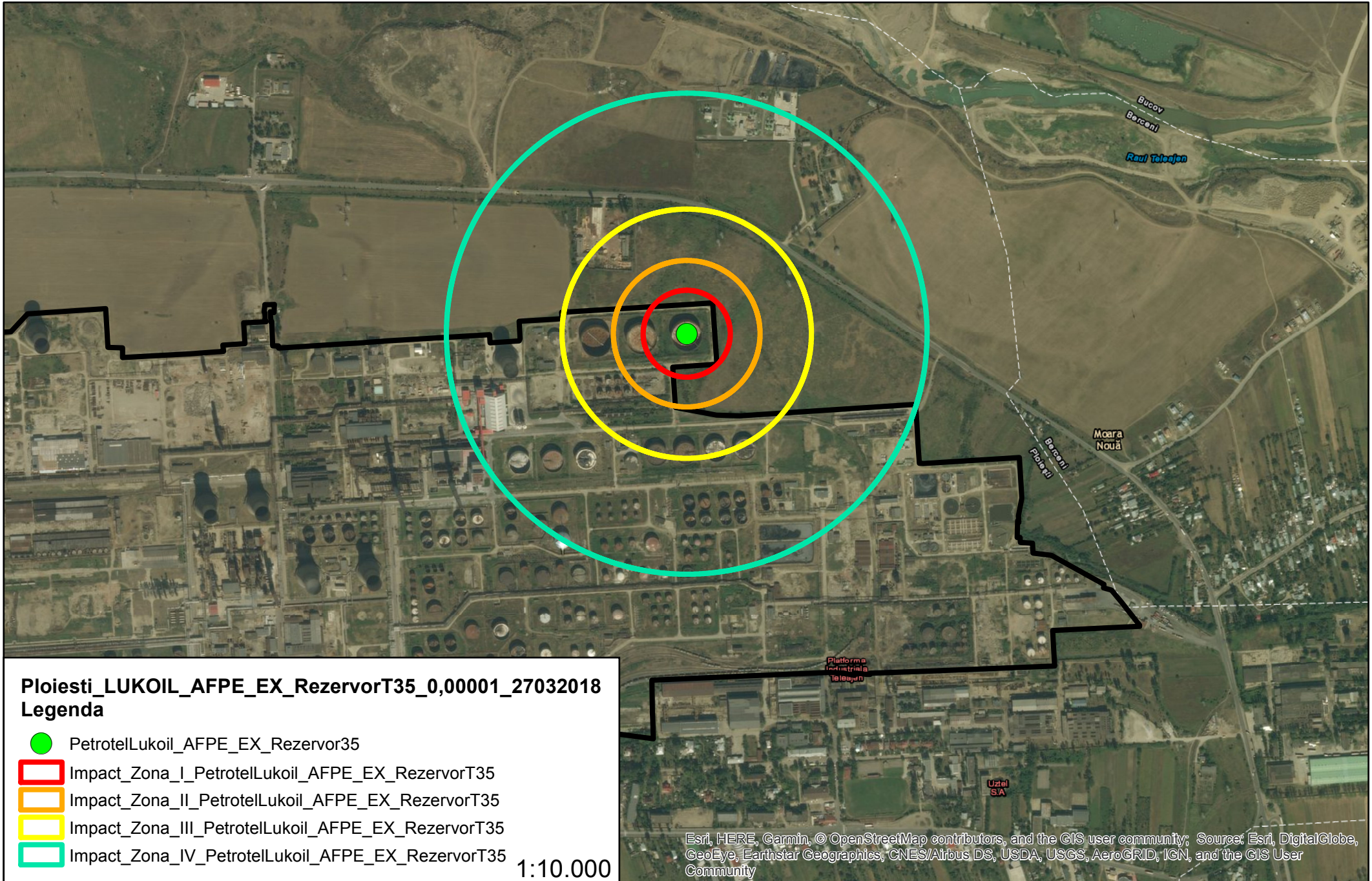


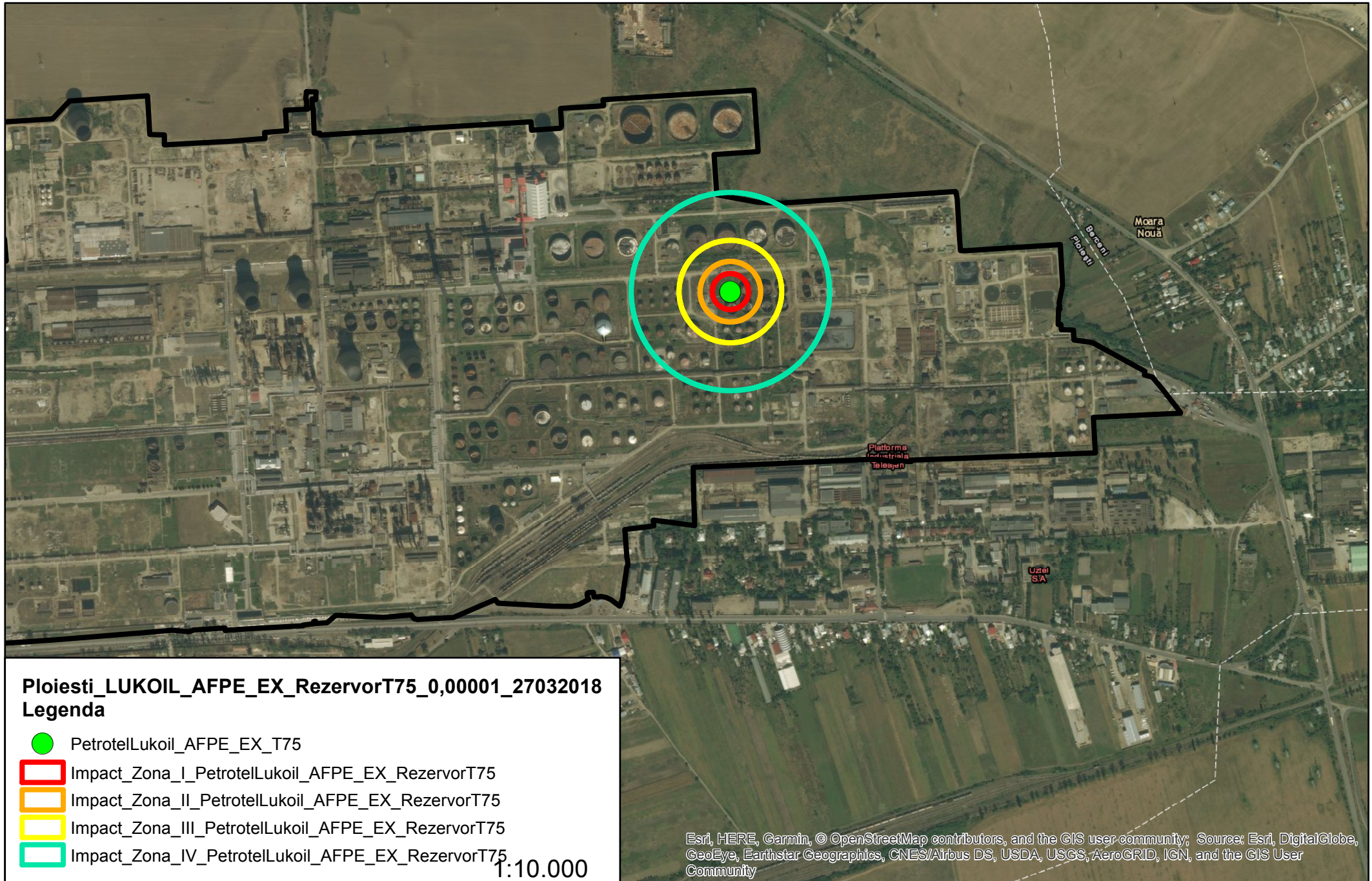


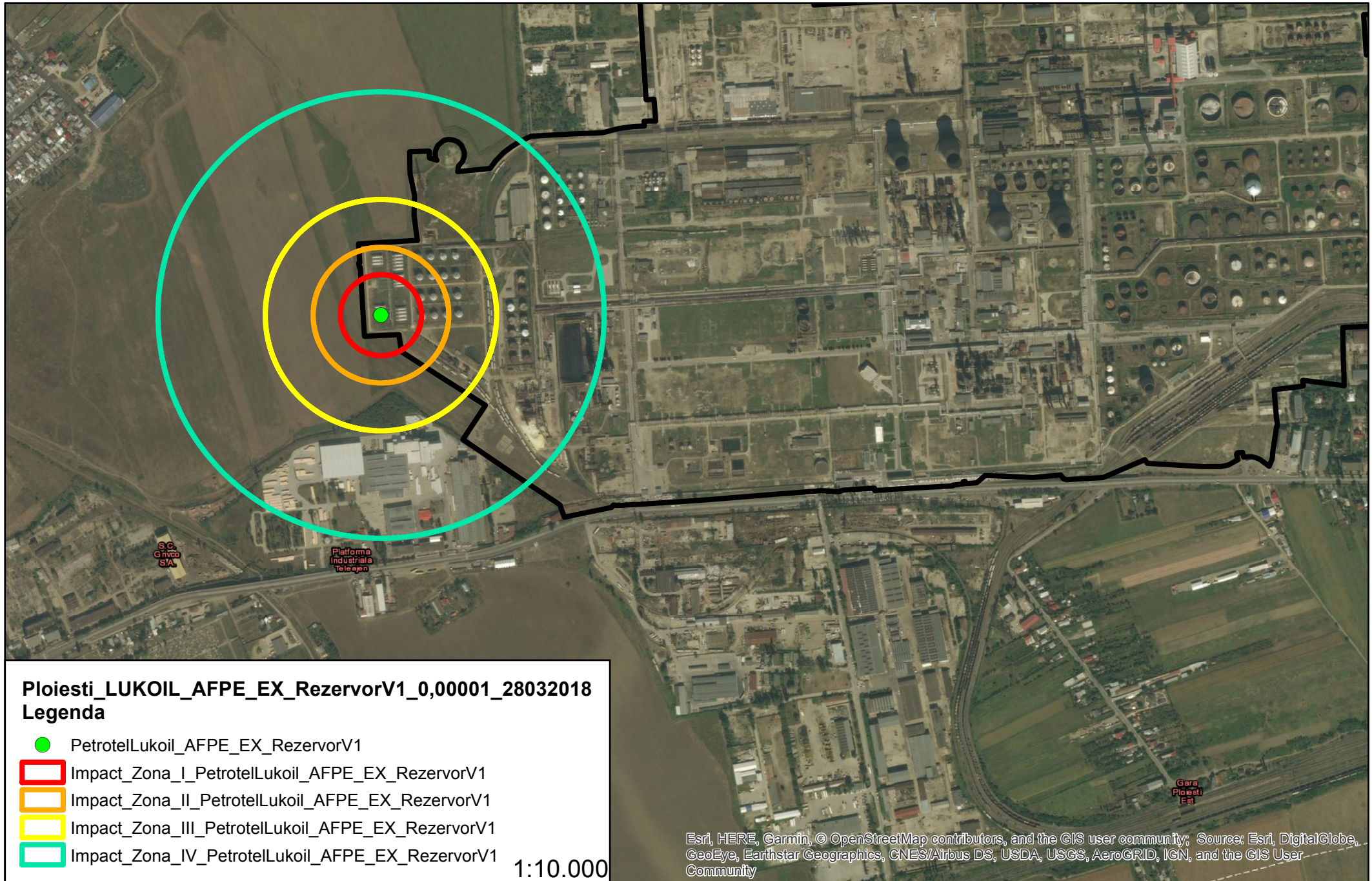
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Legenda

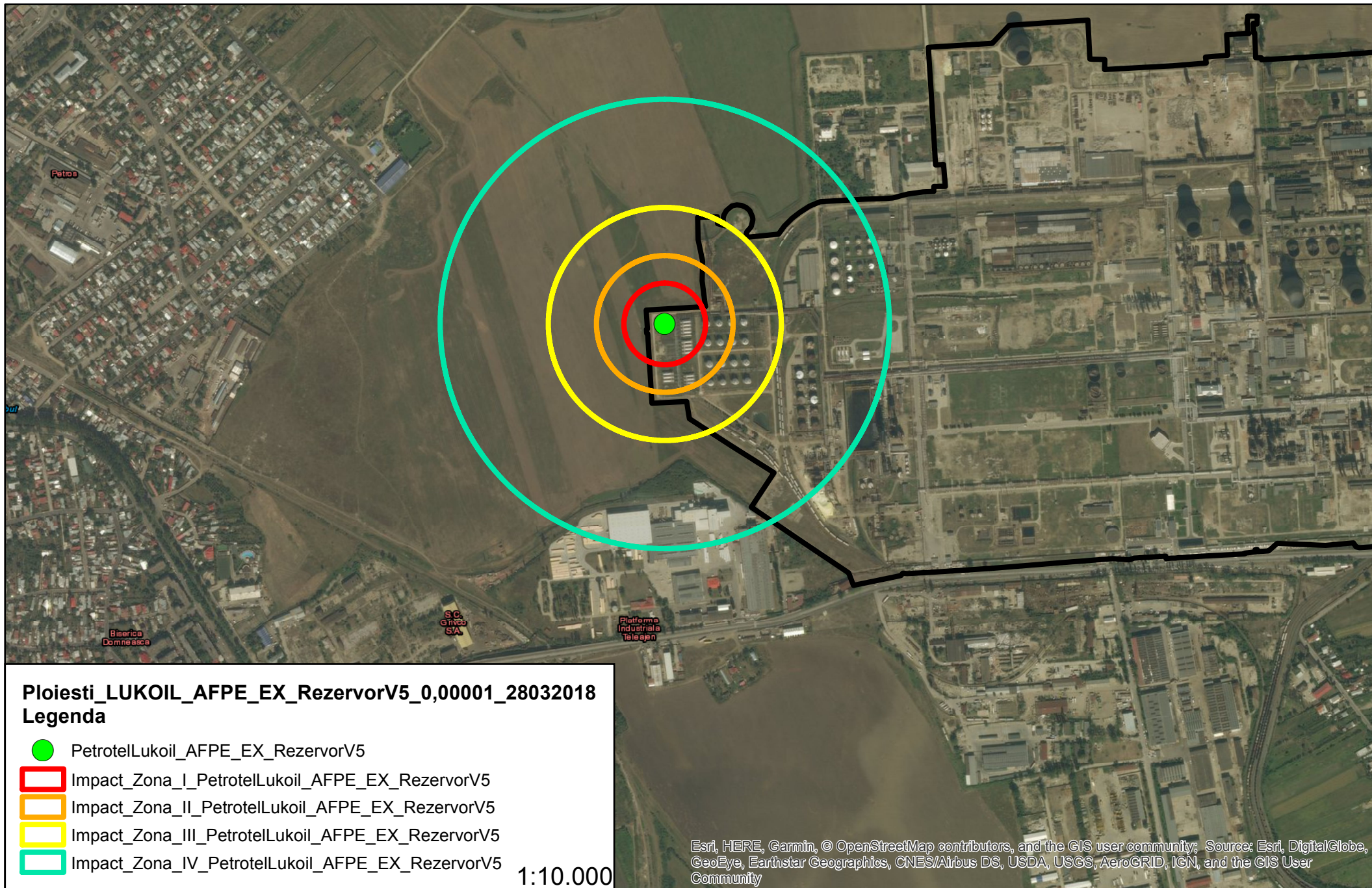
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- Impact_Zona_II_PetrotelLukoil_AFPE_EX_RezervorT25
- Impact_Zona_III_PetrotelLukoil_AFPE_EX_RezervorT25
- Impact_Zona_IV_PetrotelLukoil_AFPE_EX_RezervorT25

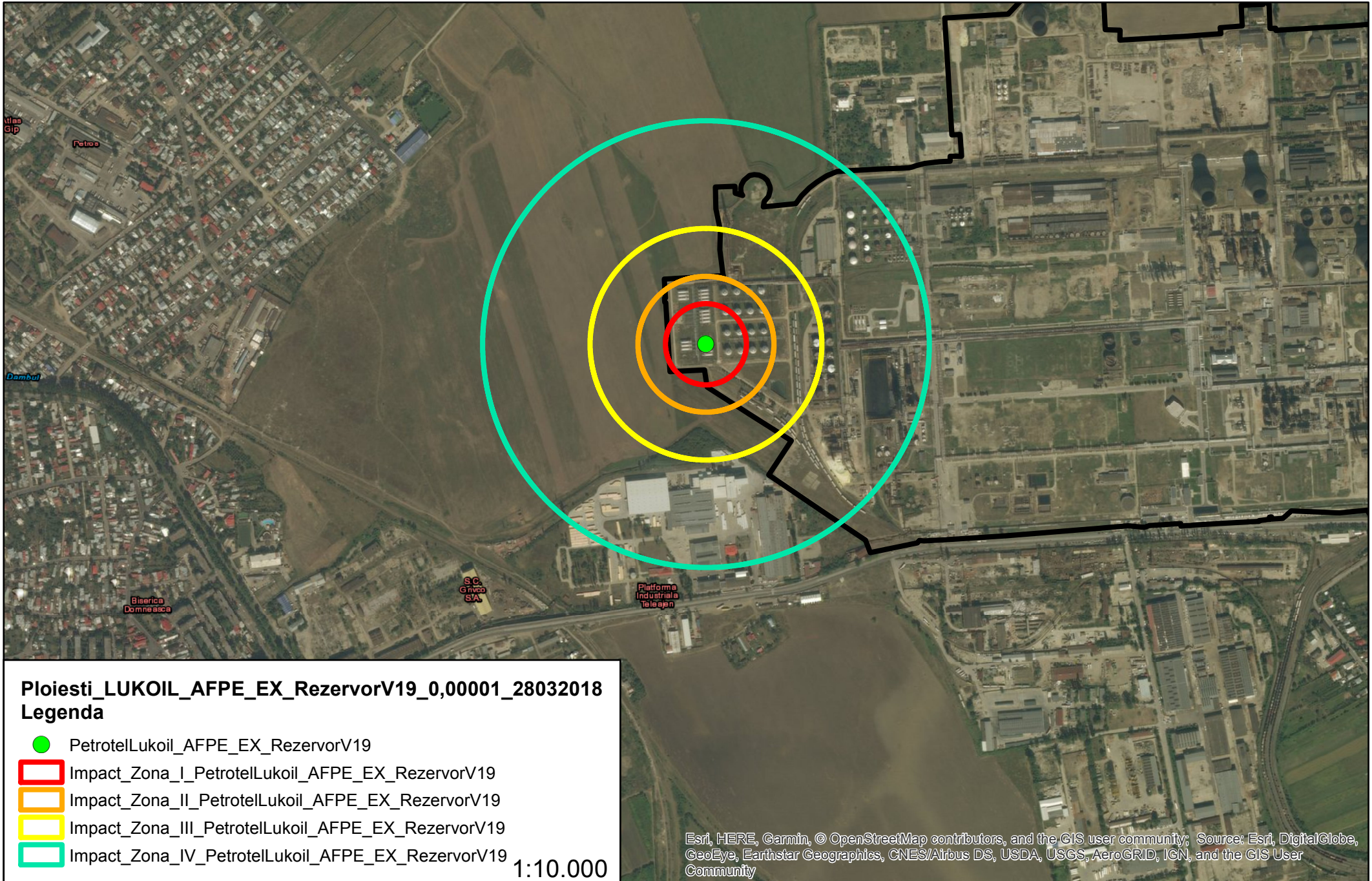
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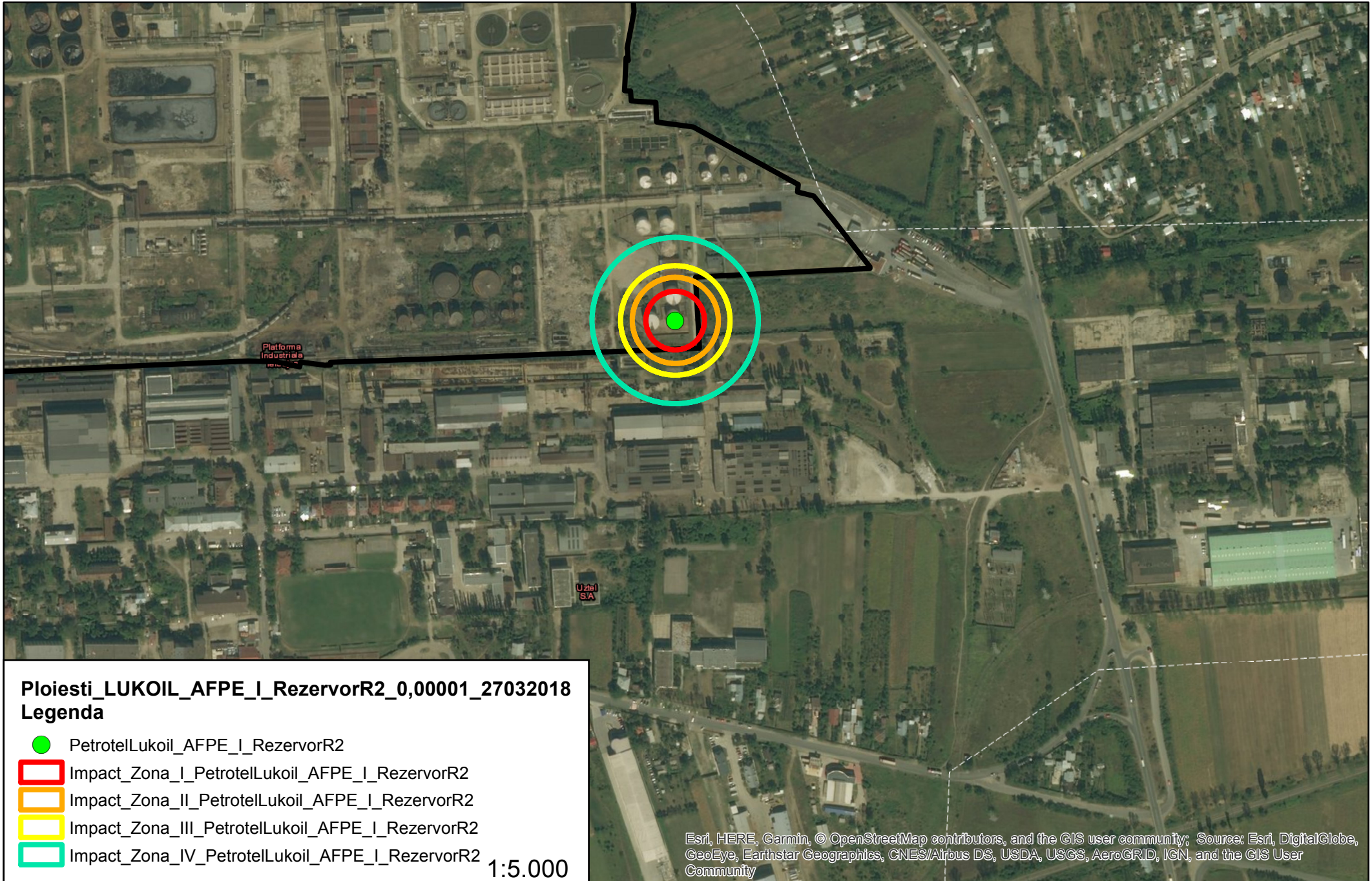


Ploiesti_LUKOIL_AFPE_EX_RezervorV19_0,00001_28032018
Legenda

- PetrotelLukoil_AFPE_EX_RezervorV19
- Impact_Zona_I_PetrotelLukoil_AFPE_EX_RezervorV19
- Impact_Zona_II_PetrotelLukoil_AFPE_EX_RezervorV19
- Impact_Zona_III_PetrotelLukoil_AFPE_EX_RezervorV19
- Impact_Zona_IV_PetrotelLukoil_AFPE_EX_RezervorV19

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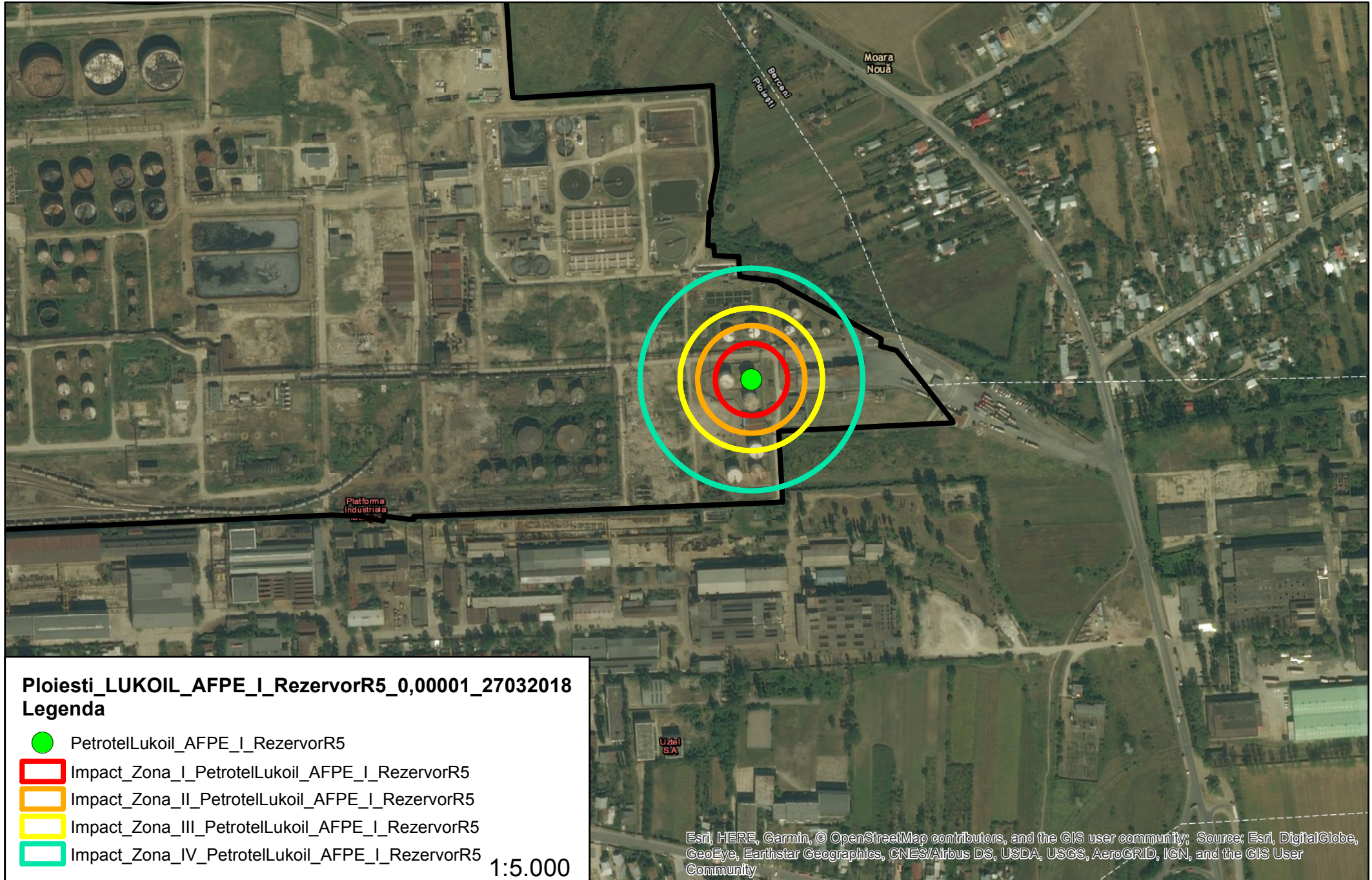


Ploiesti_LUKOIL_AFPE_I_RezervorR2_0,0001_27032018
Legenda

- PetrotelLukoil_AFPE_I_RezervorR2
- Impact_Zona_I_PetrotelLukoil_AFPE_I_RezervorR2
- Impact_Zona_II_PetrotelLukoil_AFPE_I_RezervorR2
- Impact_Zona_III_PetrotelLukoil_AFPE_I_RezervorR2
- Impact_Zona_IV_PetrotelLukoil_AFPE_I_RezervorR2

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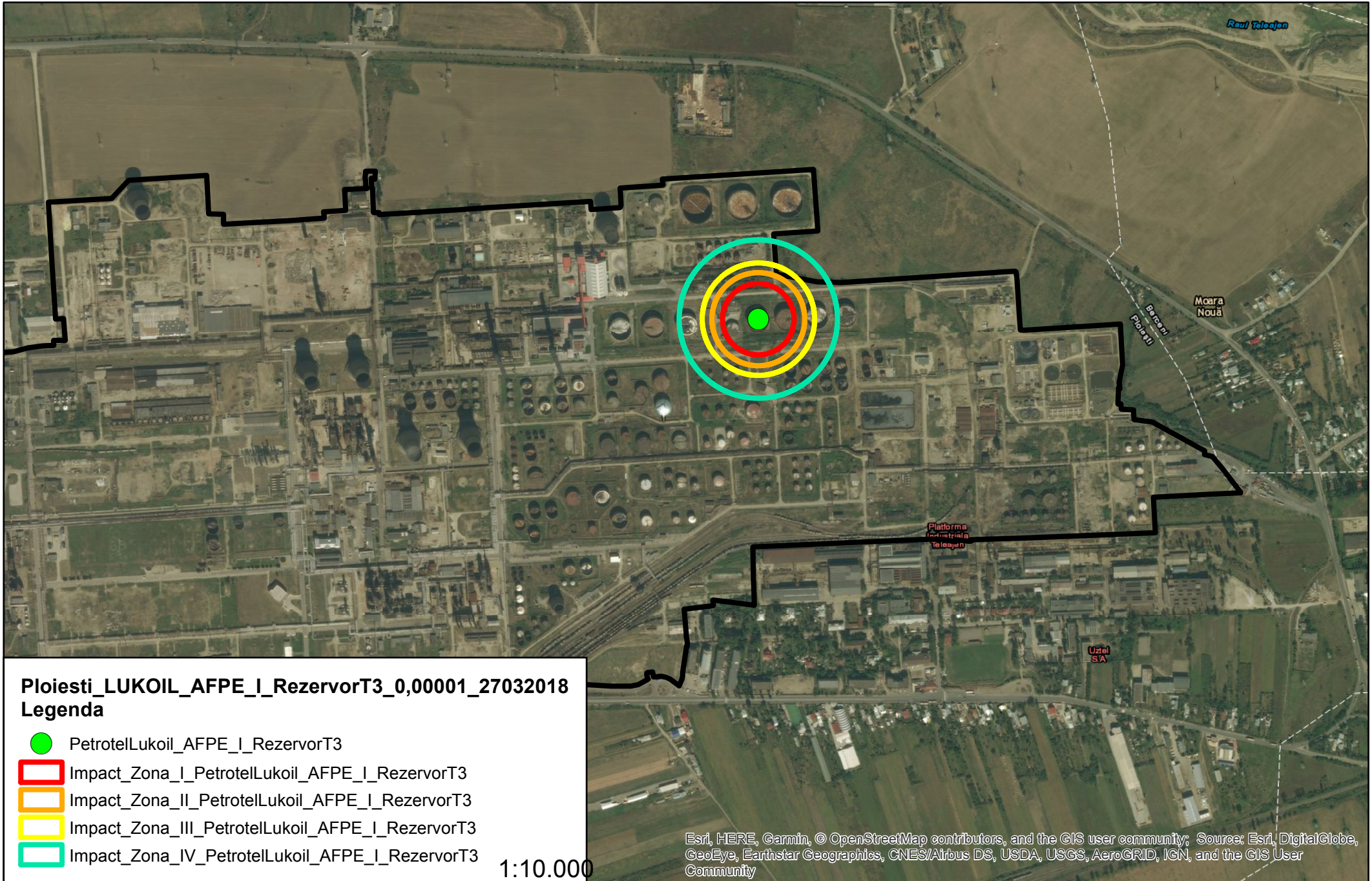


Ploiesti_LUKOIL_AFPE_I_RezervorR5_0,00001_27032018
Legenda

- PetrotelLukoil_AFPE_I_RezervorR5
- Impact_Zona_I_PetrotelLukoil_AFPE_I_RezervorR5
- Impact_Zona_II_PetrotelLukoil_AFPE_I_RezervorR5
- Impact_Zona_III_PetrotelLukoil_AFPE_I_RezervorR5
- Impact_Zona_IV_PetrotelLukoil_AFPE_I_RezervorR5

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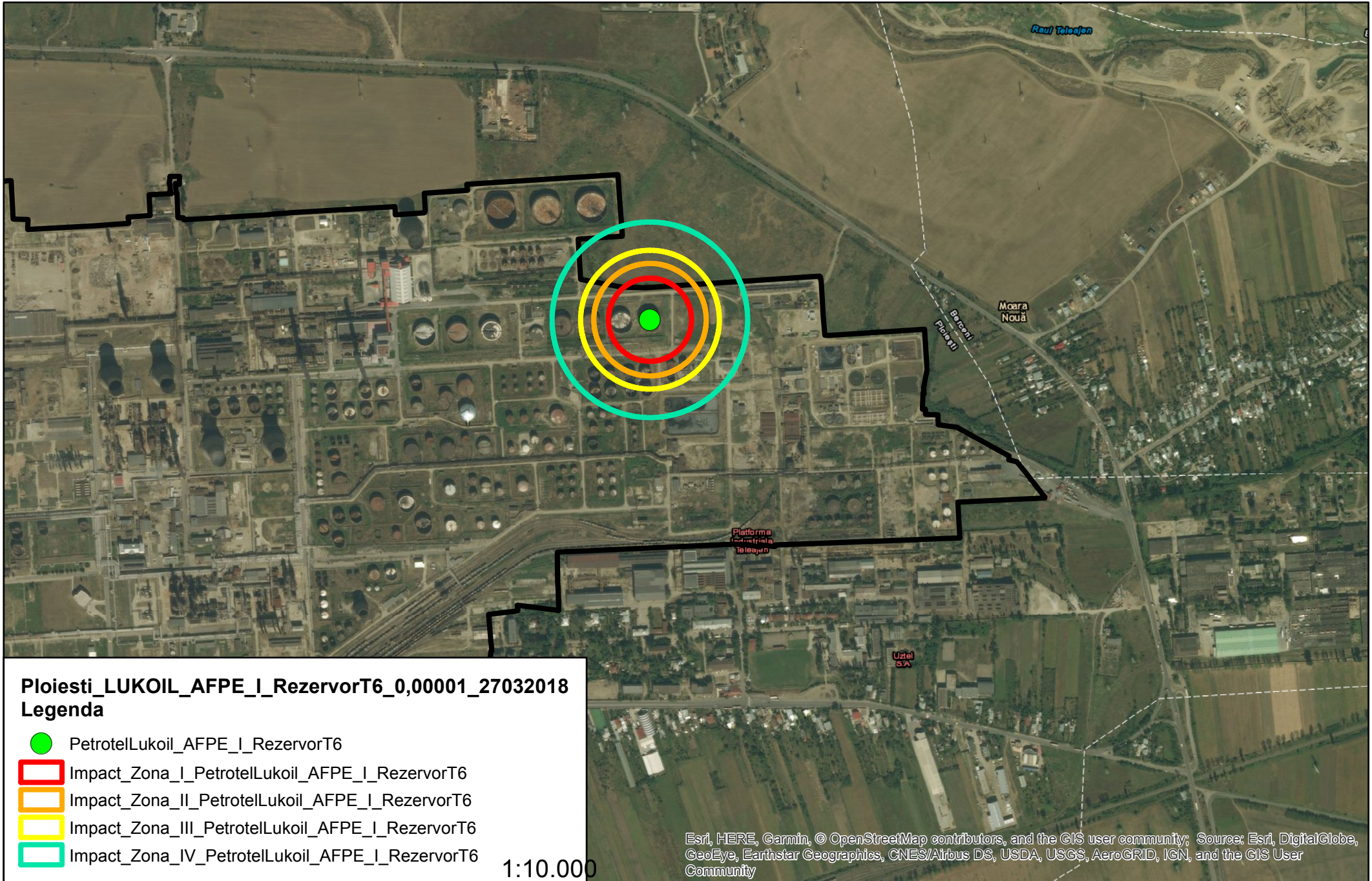


Ploiesti_LUKOIL_AFPE_I_RezervorT3_0,00001_27032018
Legenda

- PetrotelLukoil_AFPE_I_RezervorT3
- Impact_Zona_I_PetrotelLukoil_AFPE_I_RezervorT3
- Impact_Zona_II_PetrotelLukoil_AFPE_I_RezervorT3
- Impact_Zona_III_PetrotelLukoil_AFPE_I_RezervorT3
- Impact_Zona_IV_PetrotelLukoil_AFPE_I_RezervorT3

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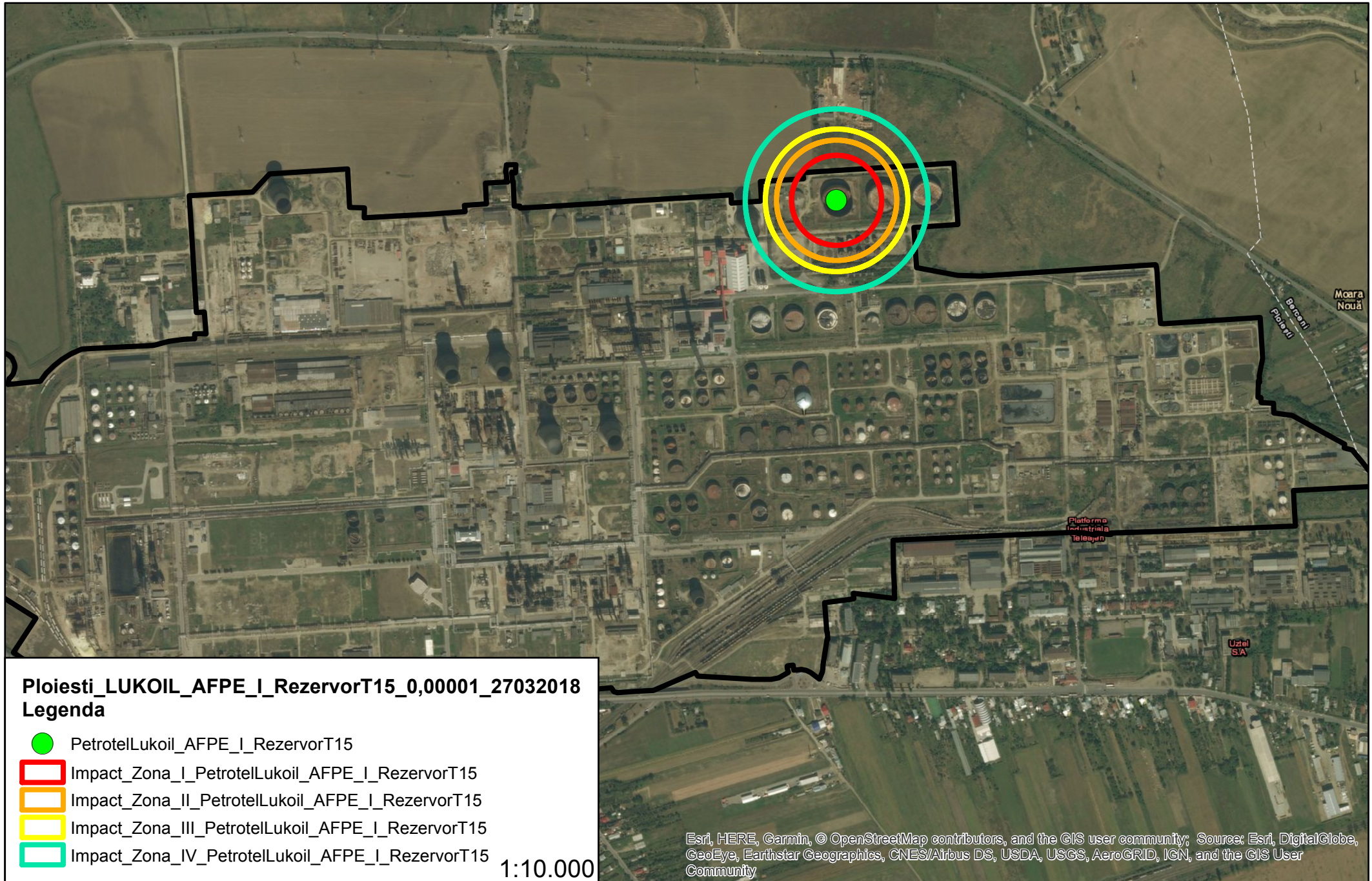


Ploiesti_LUKOIL_AFPE_I_RezervorT6_0,00001_27032018
Legenda

- PetrotelLukoil_AFPE_I_RezervorT6
- Impact_Zona_I_PetrotelLukoil_AFPE_I_RezervorT6
- Impact_Zona_II_PetrotelLukoil_AFPE_I_RezervorT6
- Impact_Zona_III_PetrotelLukoil_AFPE_I_RezervorT6
- Impact_Zona_IV_PetrotelLukoil_AFPE_I_RezervorT6

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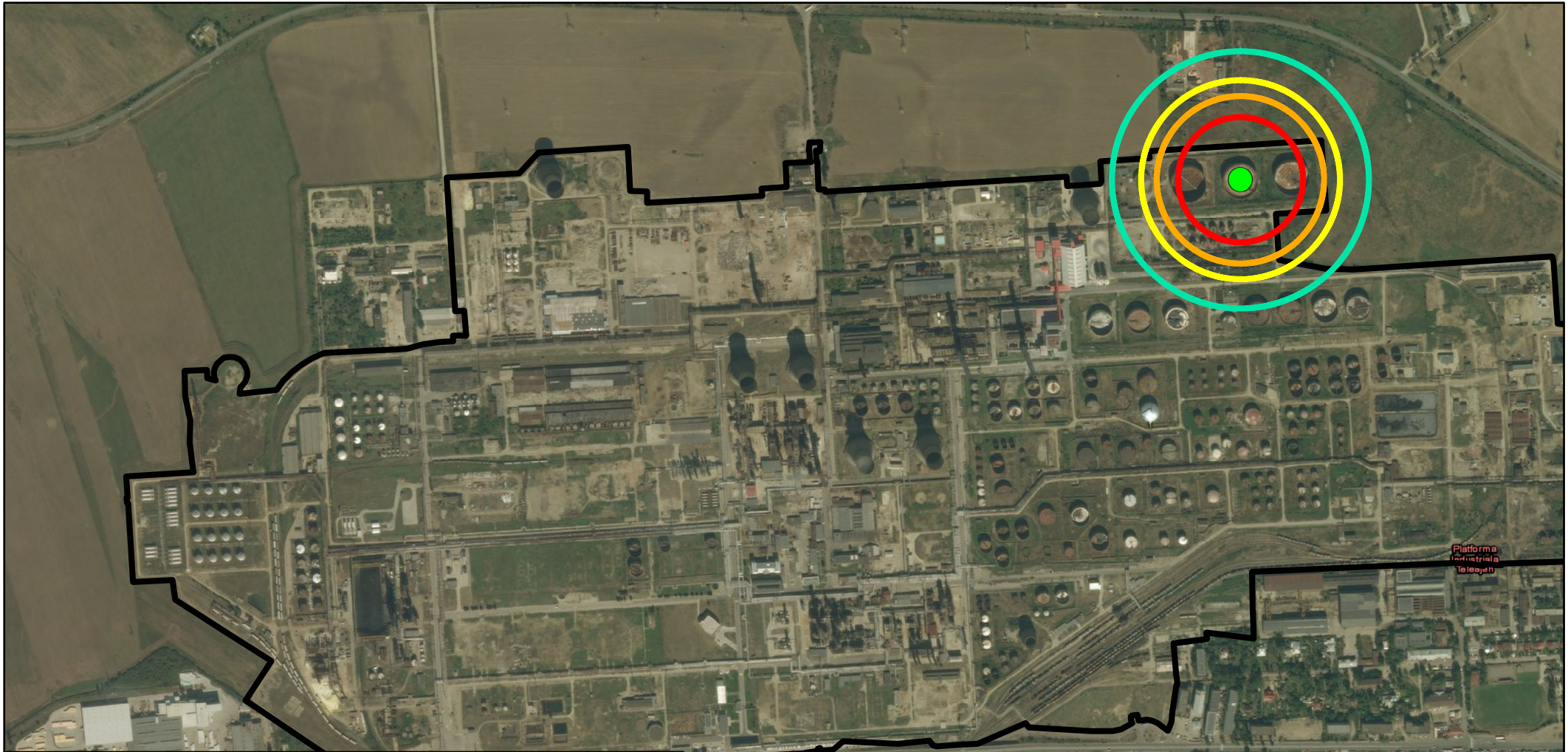


Ploiesti_LUKOIL_AFPE_I_RezervorT15_0,0001_27032018
Legenda

- PetrotelLukoil_AFPE_I_RezervorT15
- Impact_Zona_I_PetrotelLukoil_AFPE_I_RezervorT15
- Impact_Zona_II_PetrotelLukoil_AFPE_I_RezervorT15
- Impact_Zona_III_PetrotelLukoil_AFPE_I_RezervorT15
- Impact_Zona_IV_PetrotelLukoil_AFPE_I_RezervorT15

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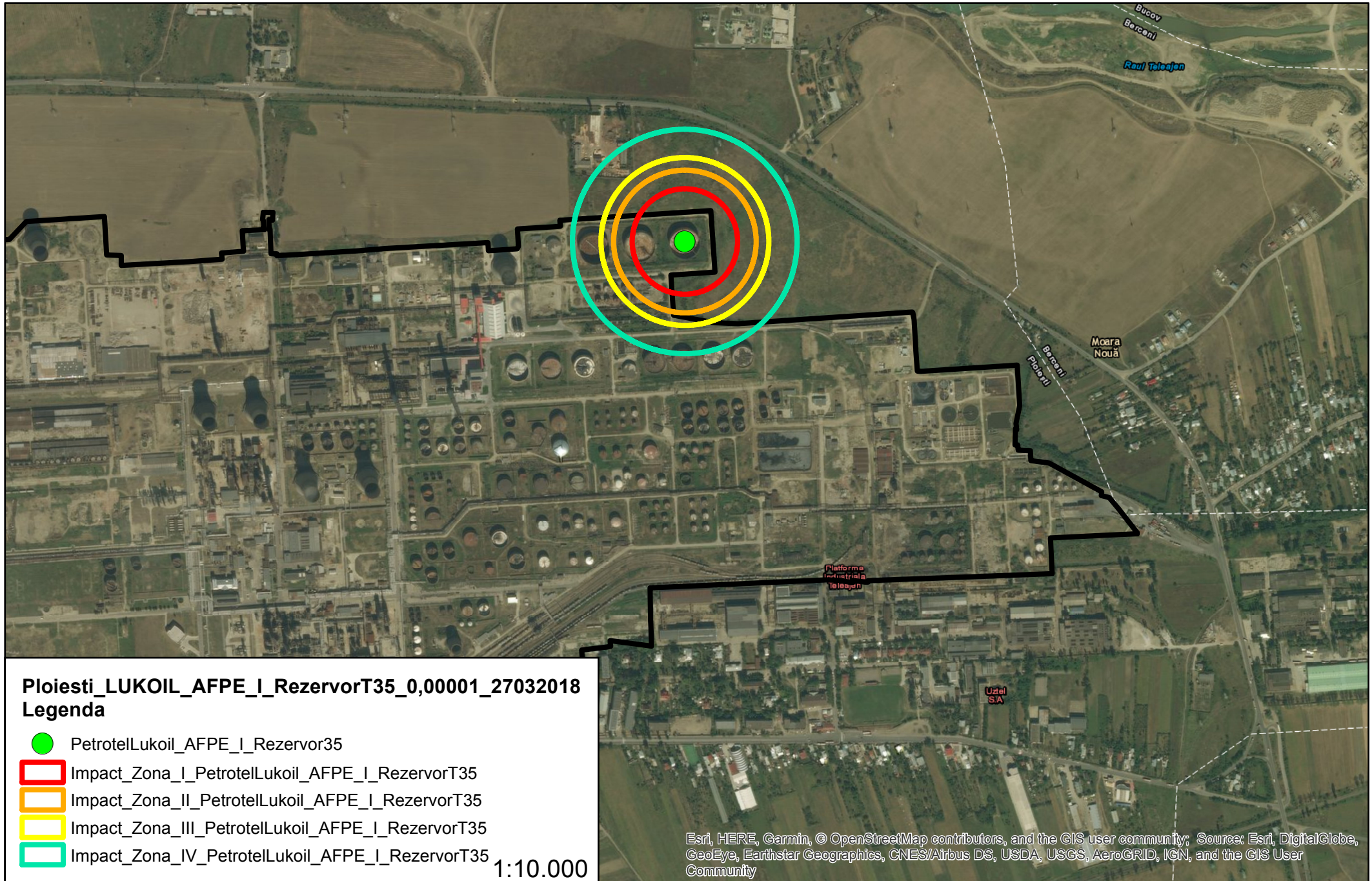
Ploiesti_LUKOIL_AFPE_I_RezervorT25_0,00001_27032018
Legenda

- PetrotelLukoil_AFPE_I_RezervorT25
- Impact_Zona_I_PetrotelLukoil_AFPE_I_RezervorT25
- Impact_Zona_II_PetrotelLukoil_AFPE_I_RezervorT25
- Impact_Zona_III_PetrotelLukoil_AFPE_I_RezervorT25
- Impact_Zona_IV_PetrotelLukoil_AFPE_I_RezervorT25

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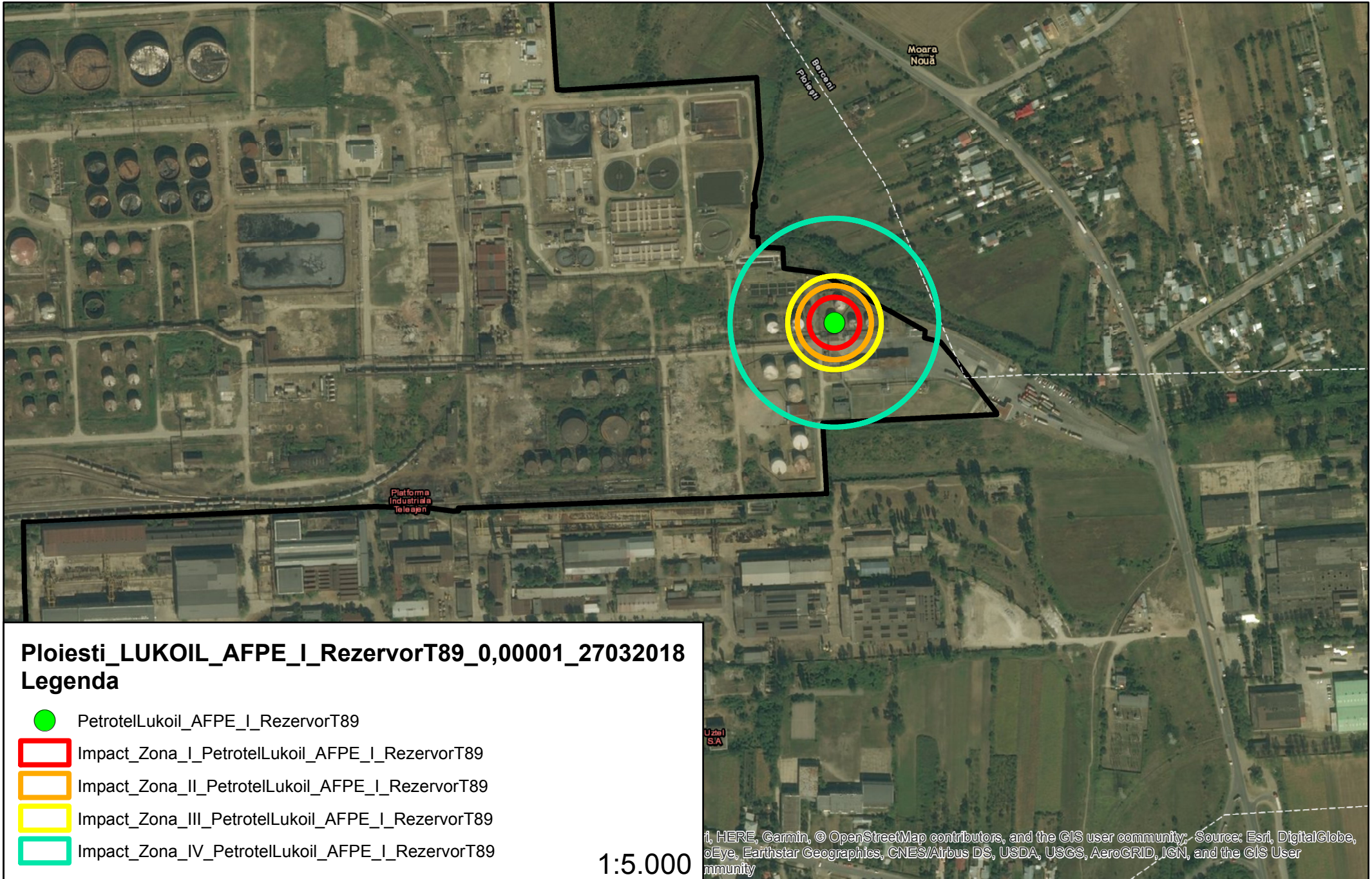


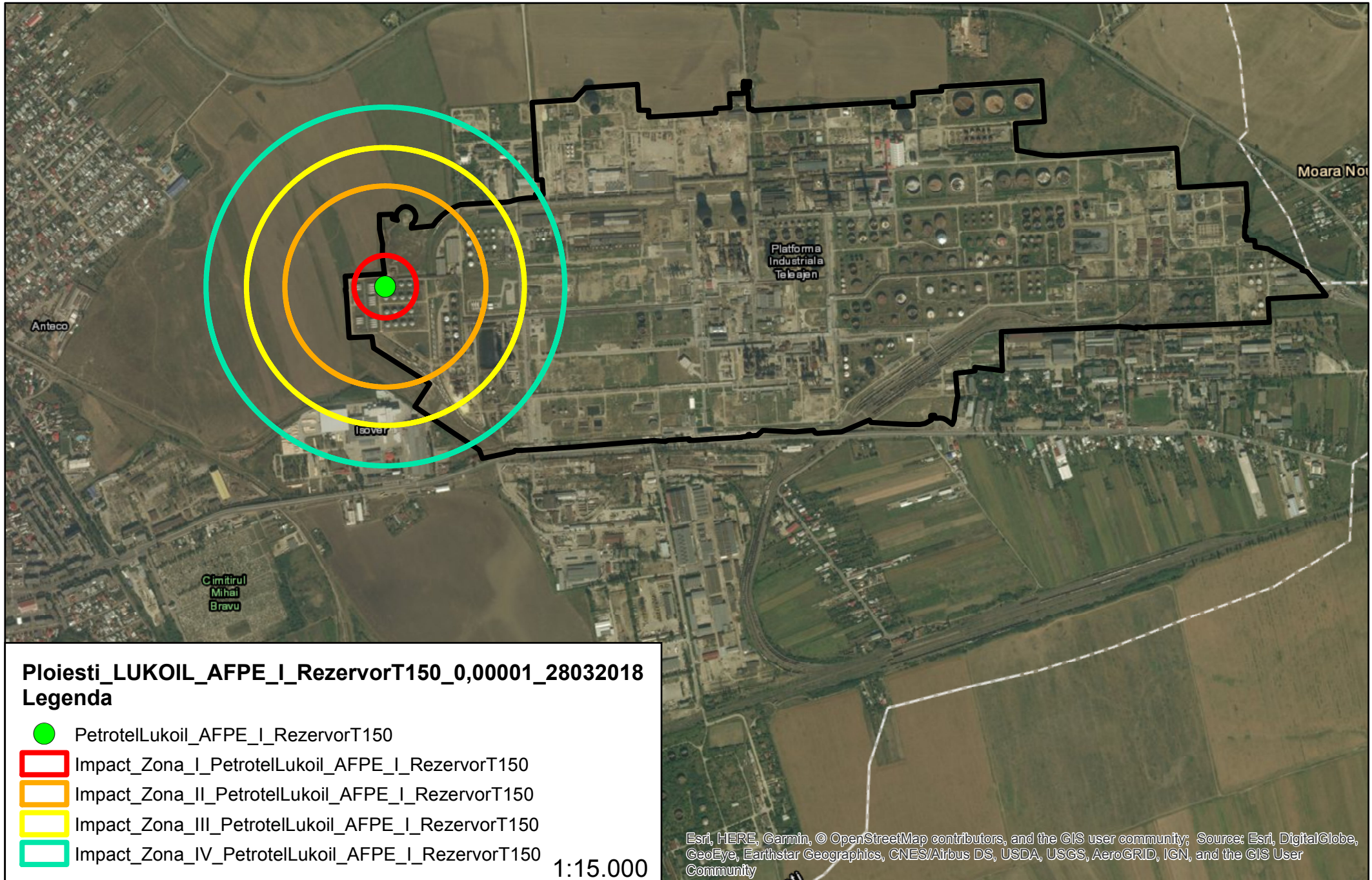
Ploiesti_LUKOIL_AFPE_I_RezervorT35_0,0001_27032018
Legenda

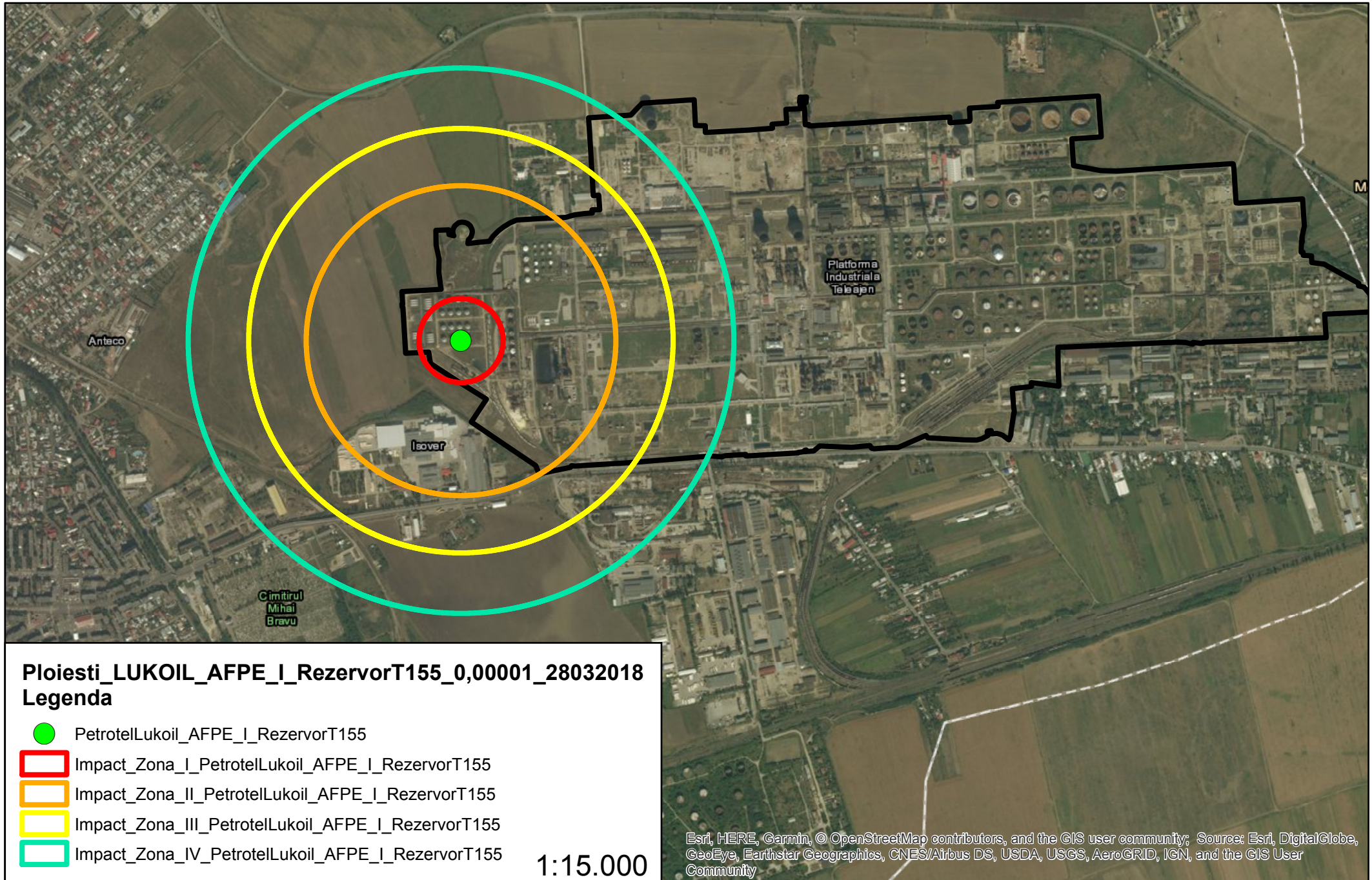
- PetrotelLukoil_AFPE_I_Rezervor35
- Impact_Zona_I_PetrotelLukoil_AFPE_I_RezervorT35
- Impact_Zona_II_PetrotelLukoil_AFPE_I_RezervorT35
- Impact_Zona_III_PetrotelLukoil_AFPE_I_RezervorT35
- Impact_Zona_IV_PetrotelLukoil_AFPE_I_RezervorT35

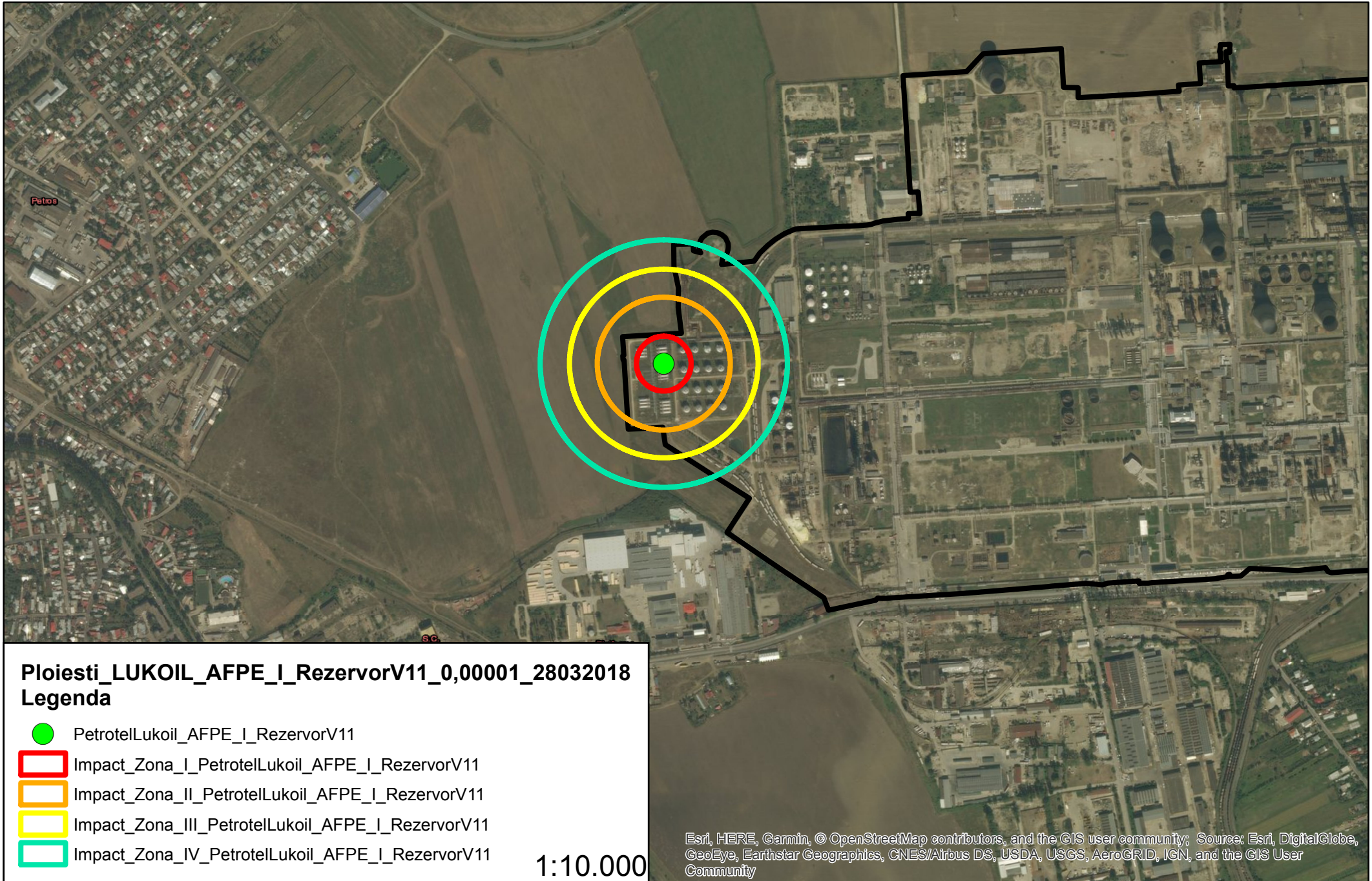
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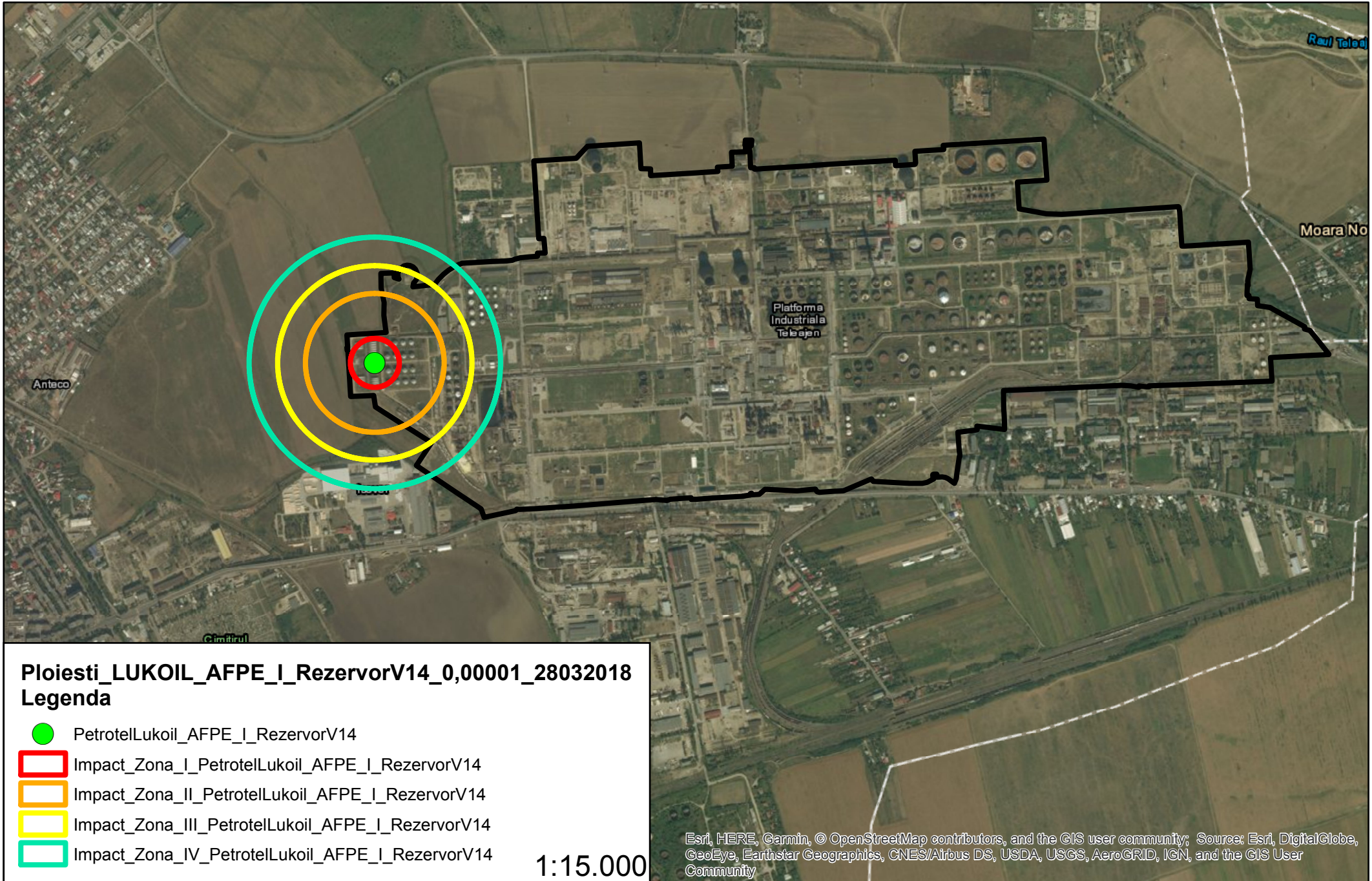
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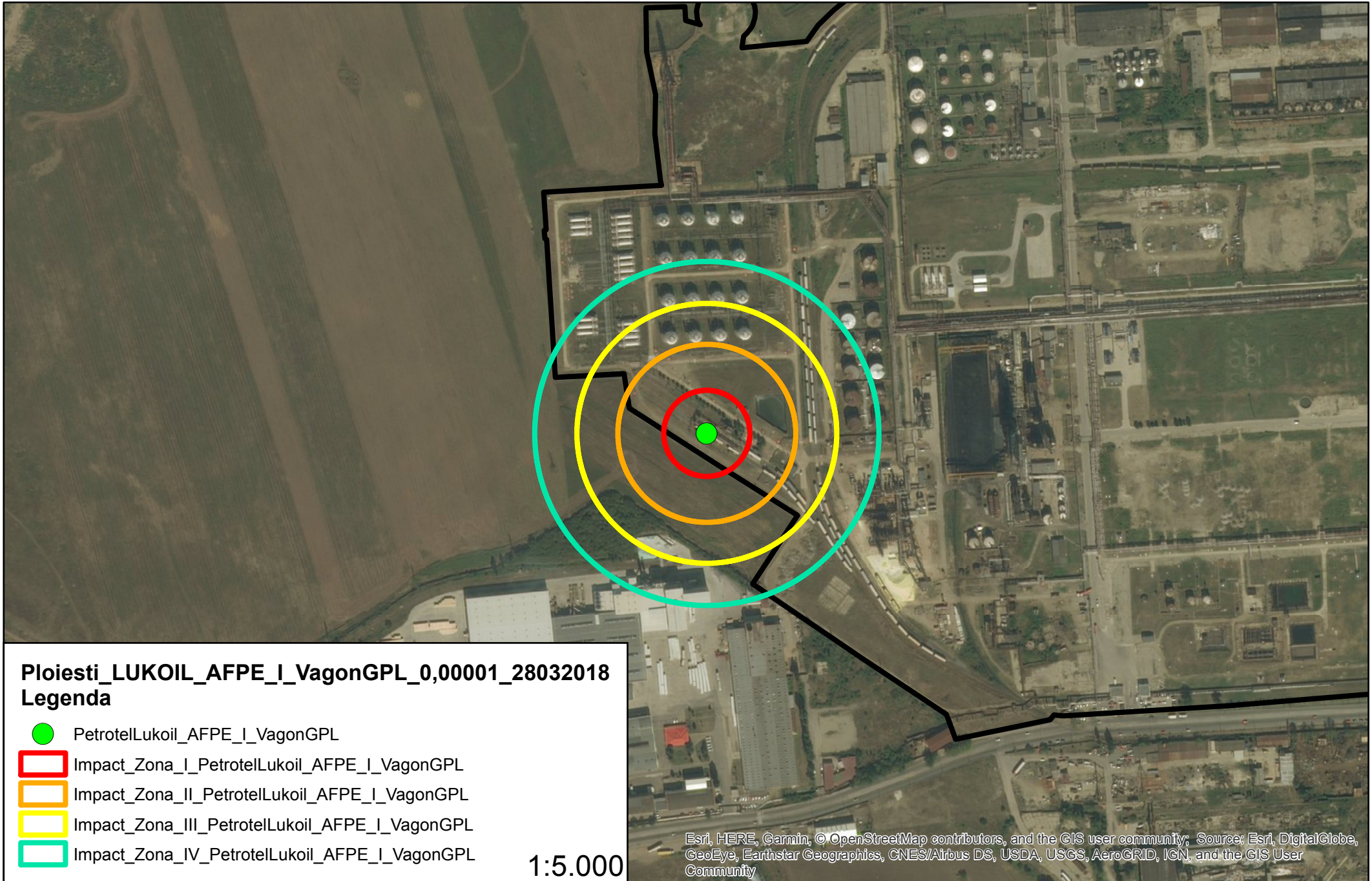


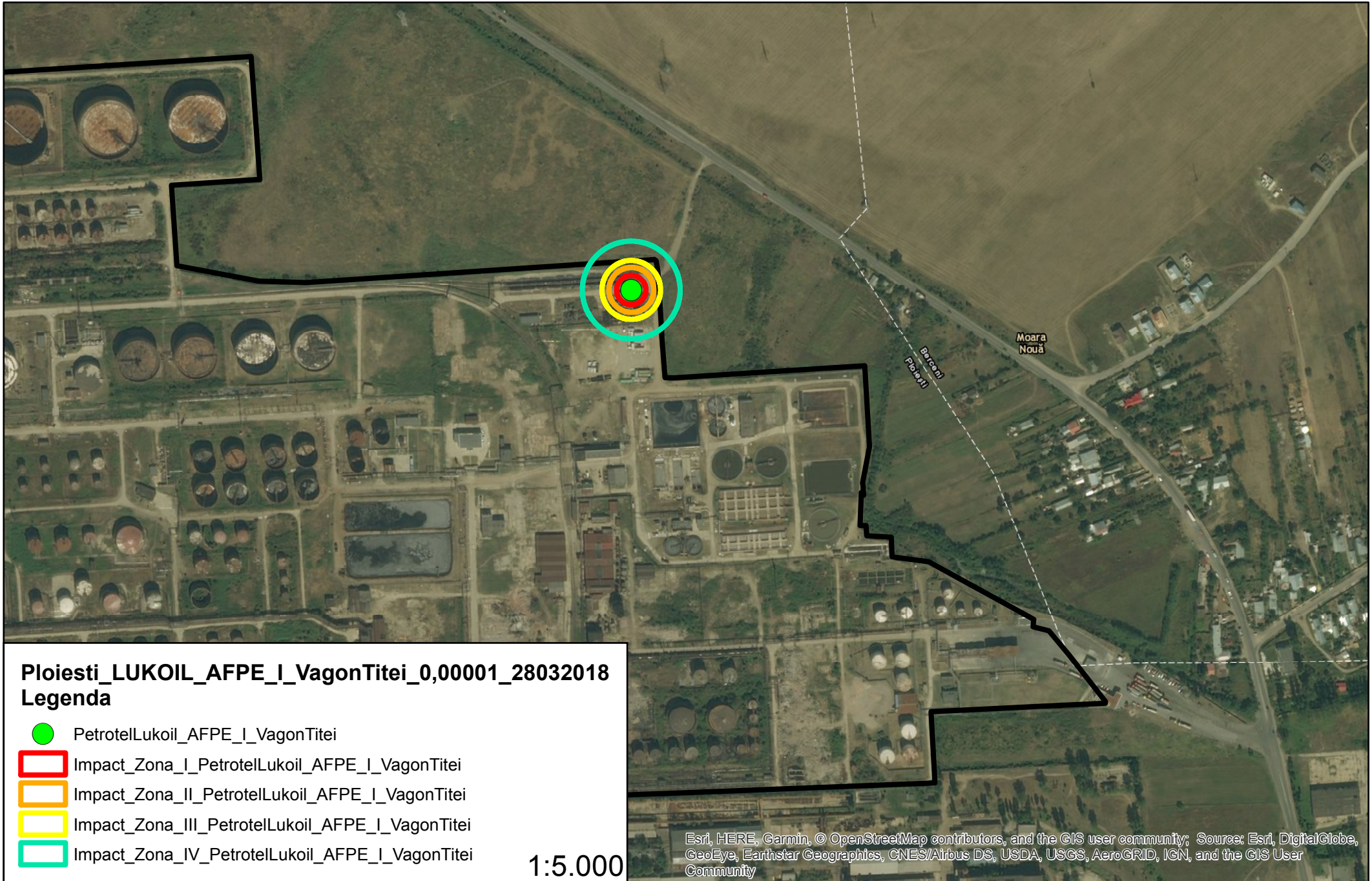
Ploiesti_LUKOIL_AFPE_I_RezervorV14_0,0001_28032018
Legenda

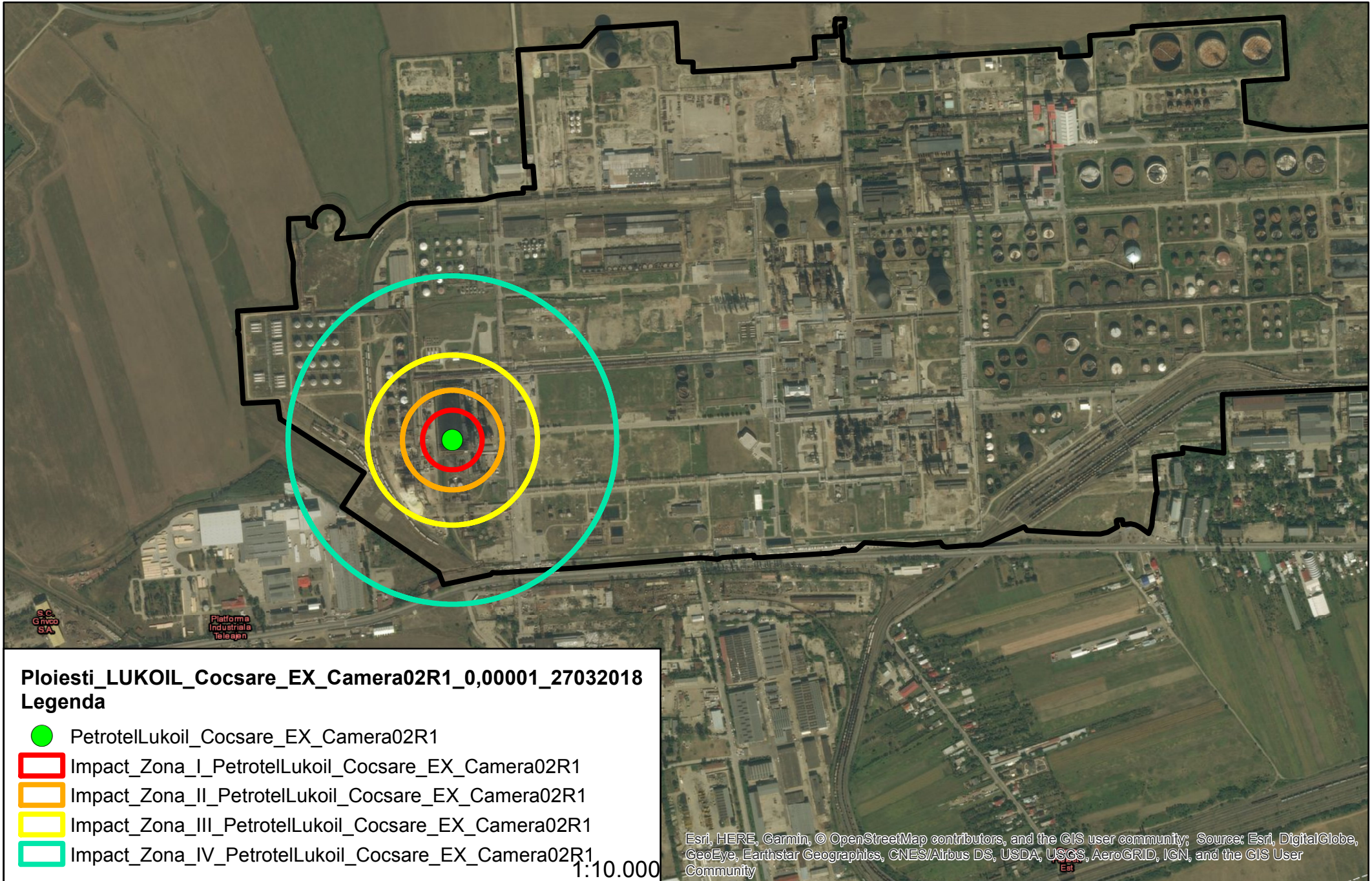
-  PetrotelLukoil_AFPE_I_RezervorV14
-  Impact_Zona_I_PetrotelLukoil_AFPE_I_RezervorV14
-  Impact_Zona_II_PetrotelLukoil_AFPE_I_RezervorV14
-  Impact_Zona_III_PetrotelLukoil_AFPE_I_RezervorV14
-  Impact_Zona_IV_PetrotelLukoil_AFPE_I_RezervorV14

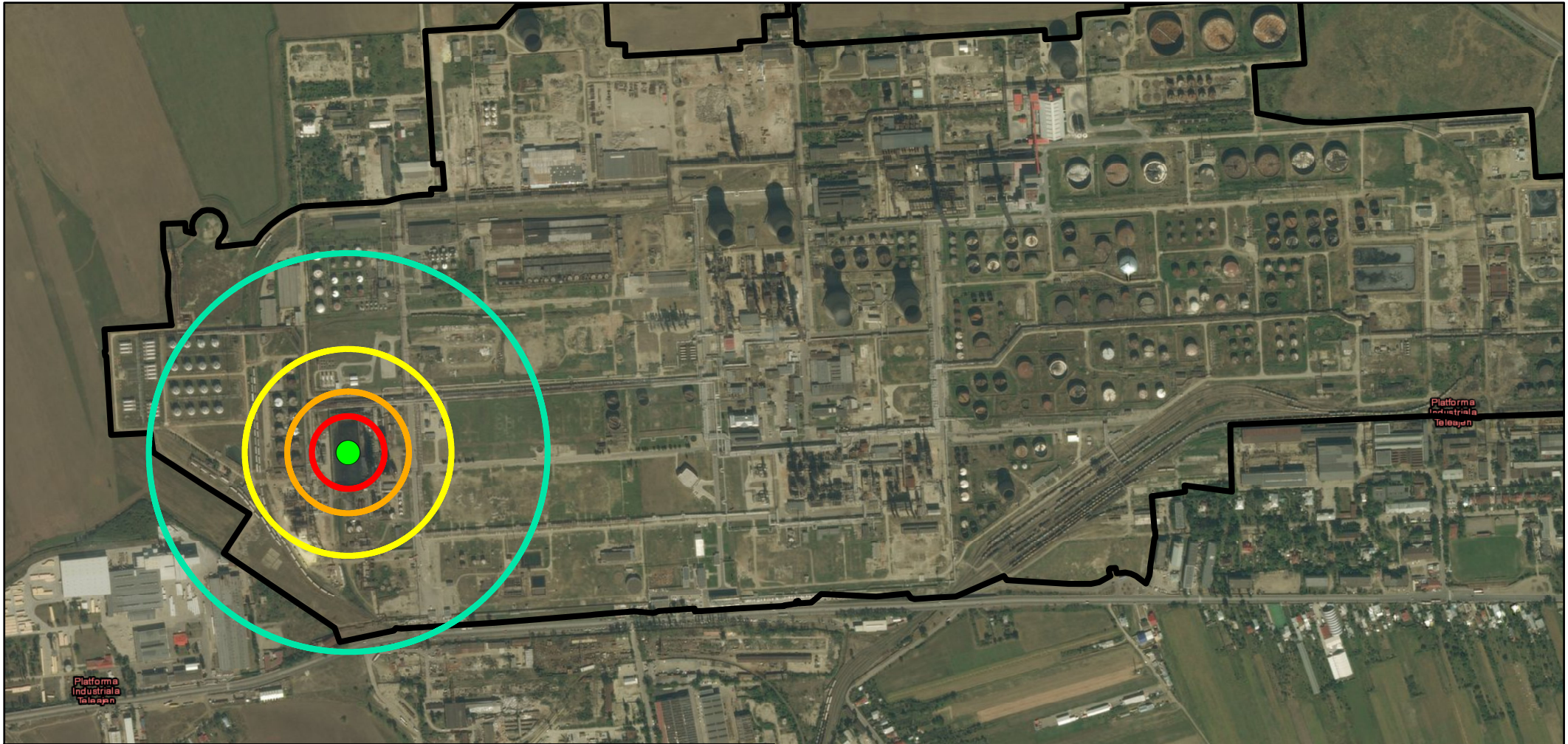
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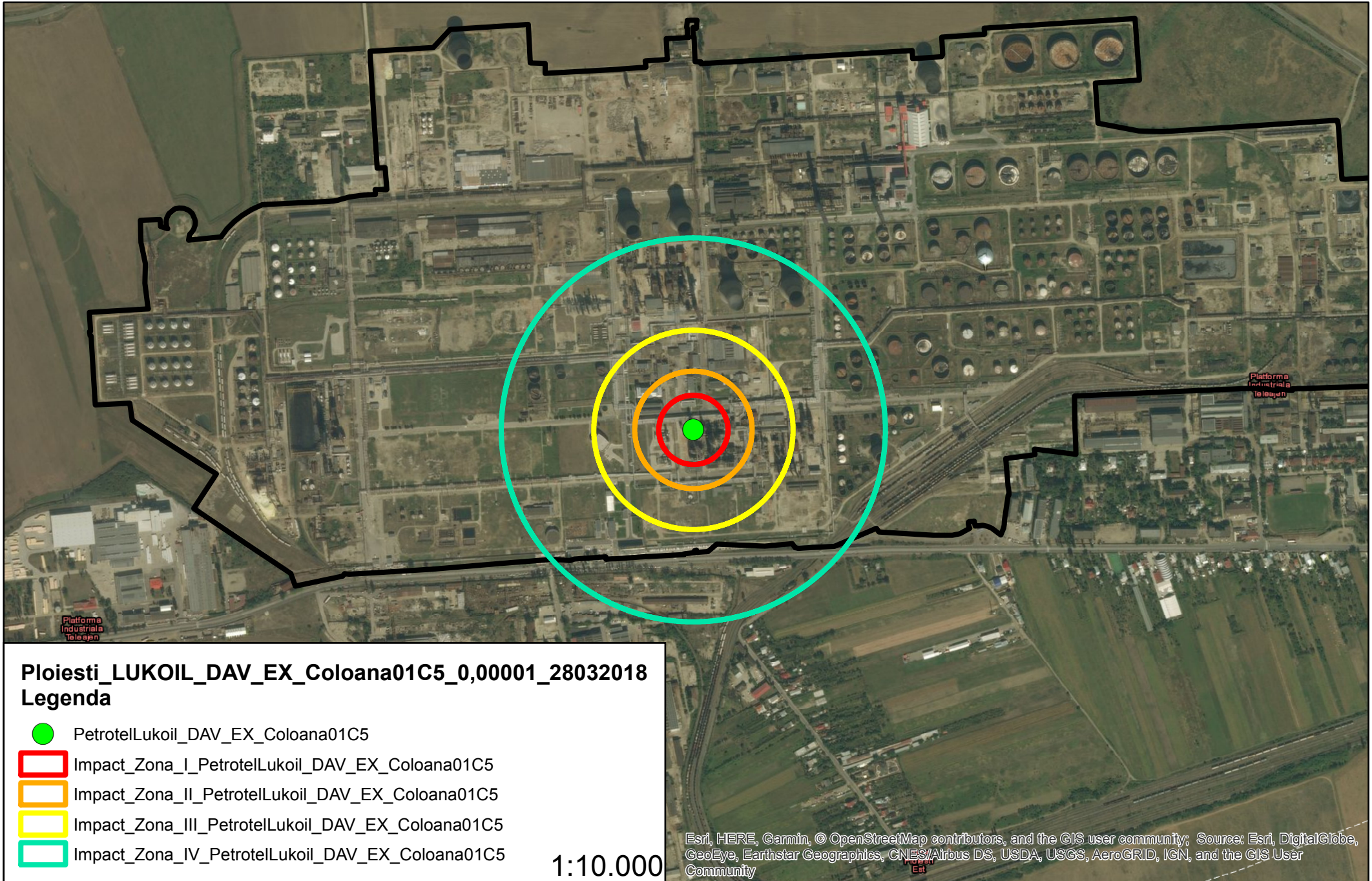


Ploiesti_LUKOIL_Cocsare_EX_Coloana02C4_0,00001_27032018
Legenda

-  PetrotelLukoil_Cocsare_EX_Coloana02C4
-  Impact_Zona_I_PetrotelLukoil_Cocsare_EX_Coloana02C4
-  Impact_Zona_II_PetrotelLukoil_Cocsare_EX_Coloana02C4
-  Impact_Zona_III_PetrotelLukoil_Cocsare_EX_Coloana02C4
-  Impact_Zona_IV_PetrotelLukoil_Cocsare_EX_Coloana02C4

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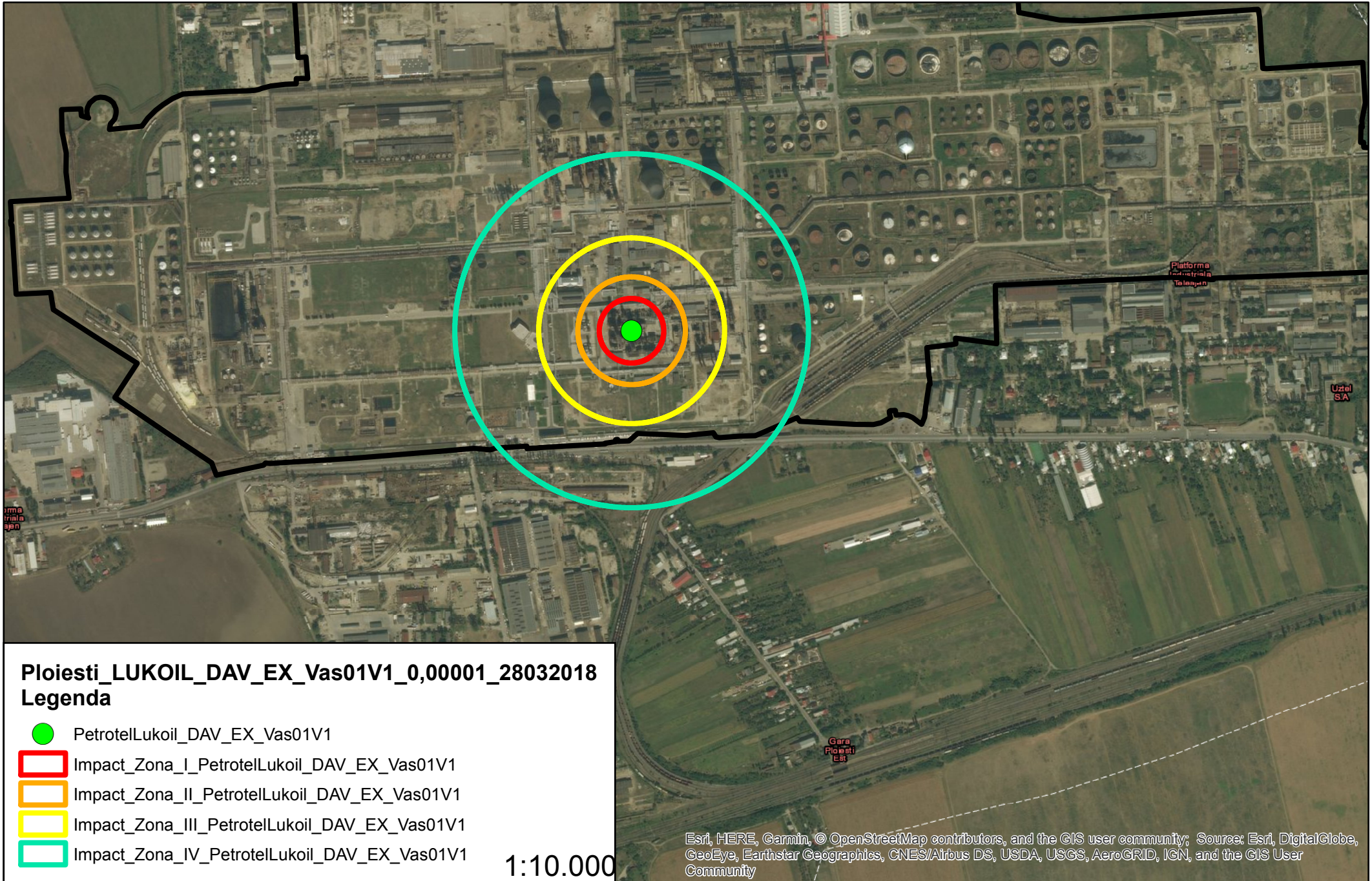
Ploiesti_LUKOIL_DAV_EX_Coloana01C5_0,00001_28032018

Legenda

- PetrotelLukoil_DAV_EX_Coloana01C5
- Impact_Zona_I_PetrotelLukoil_DAV_EX_Coloana01C5
- Impact_Zona_II_PetrotelLukoil_DAV_EX_Coloana01C5
- Impact_Zona_III_PetrotelLukoil_DAV_EX_Coloana01C5
- Impact_Zona_IV_PetrotelLukoil_DAV_EX_Coloana01C5

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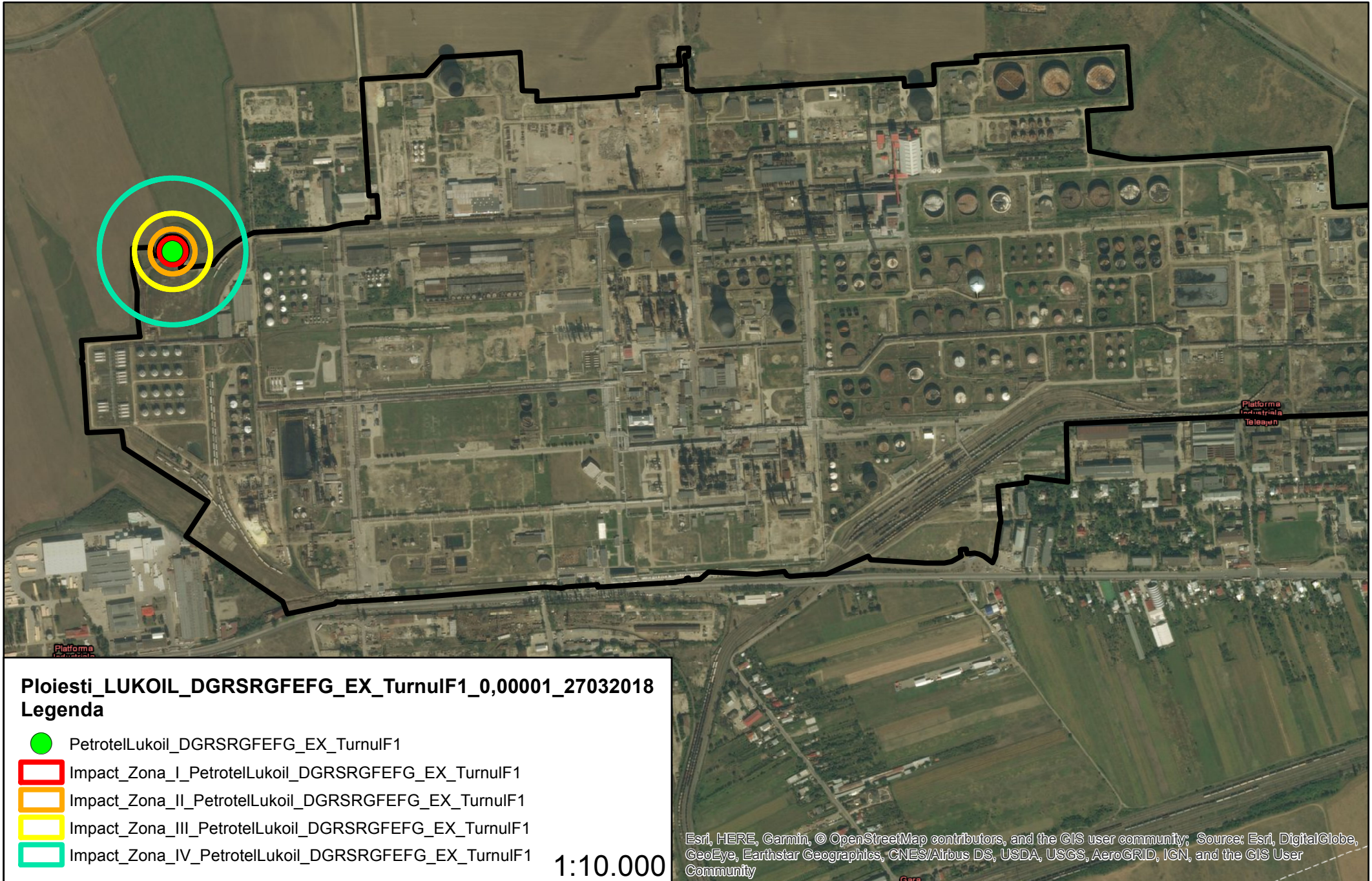
Ploiesti_LUKOIL_DAV_EX_Vas01V1_0,00001_28032018

Legenda

- PetrotelLukoil_DAV_EX_Vas01V1
- Impact_Zona_I_PetrotelLukoil_DAV_EX_Vas01V1
- Impact_Zona_II_PetrotelLukoil_DAV_EX_Vas01V1
- Impact_Zona_III_PetrotelLukoil_DAV_EX_Vas01V1
- Impact_Zona_IV_PetrotelLukoil_DAV_EX_Vas01V1

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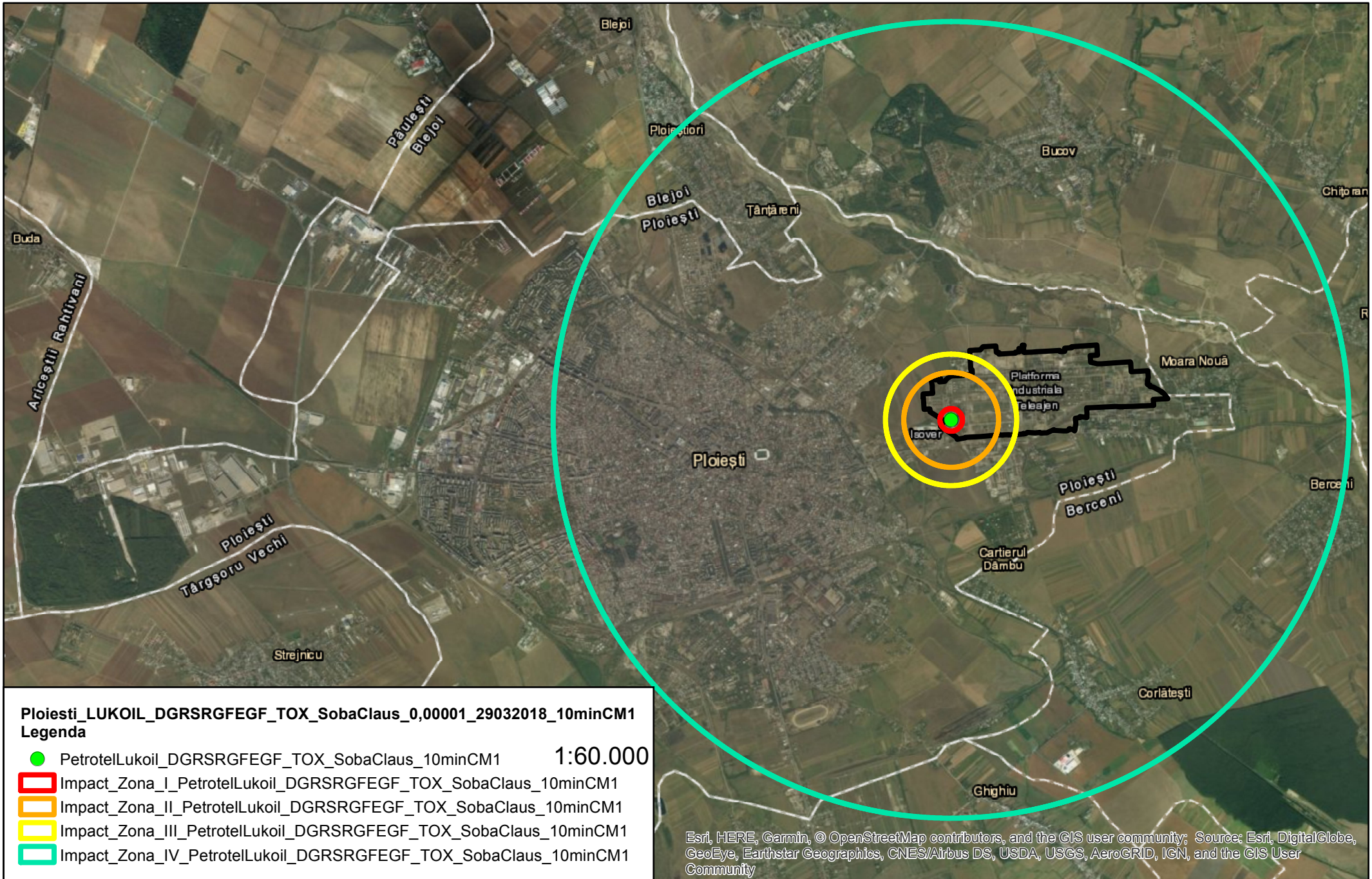


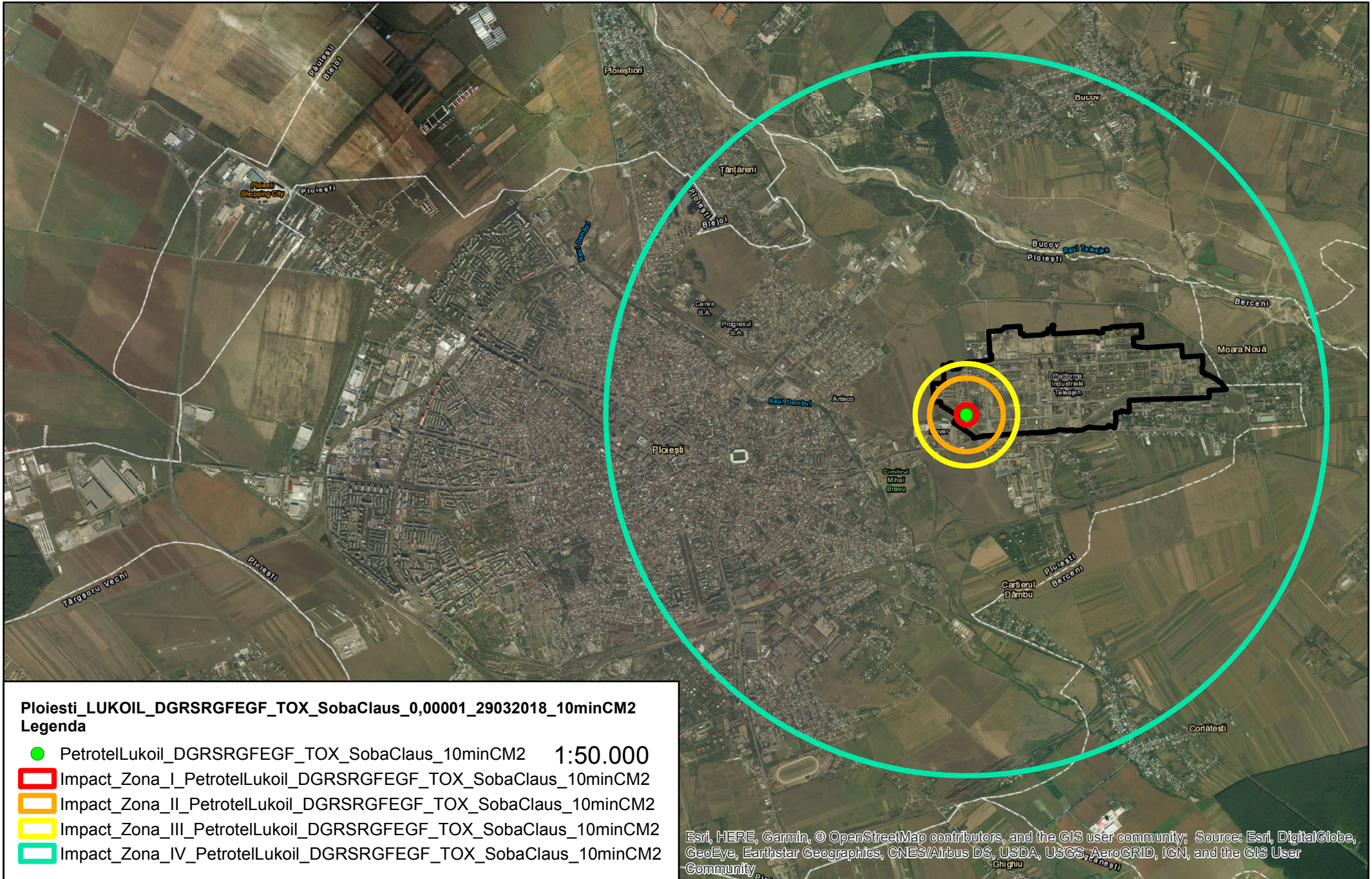
Ploiesti_LUKOIL_DGRSRGFEEG_EX_TurnuIF1_0,00001_27032018
Legenda

- PetrotelLukoil_DGRSRGFEEG_EX_TurnuIF1
- Impact_Zona_I_PetrotelLukoil_DGRSRGFEEG_EX_TurnuIF1
- Impact_Zona_II_PetrotelLukoil_DGRSRGFEEG_EX_TurnuIF1
- Impact_Zona_III_PetrotelLukoil_DGRSRGFEEG_EX_TurnuIF1
- Impact_Zona_IV_PetrotelLukoil_DGRSRGFEEG_EX_TurnuIF1

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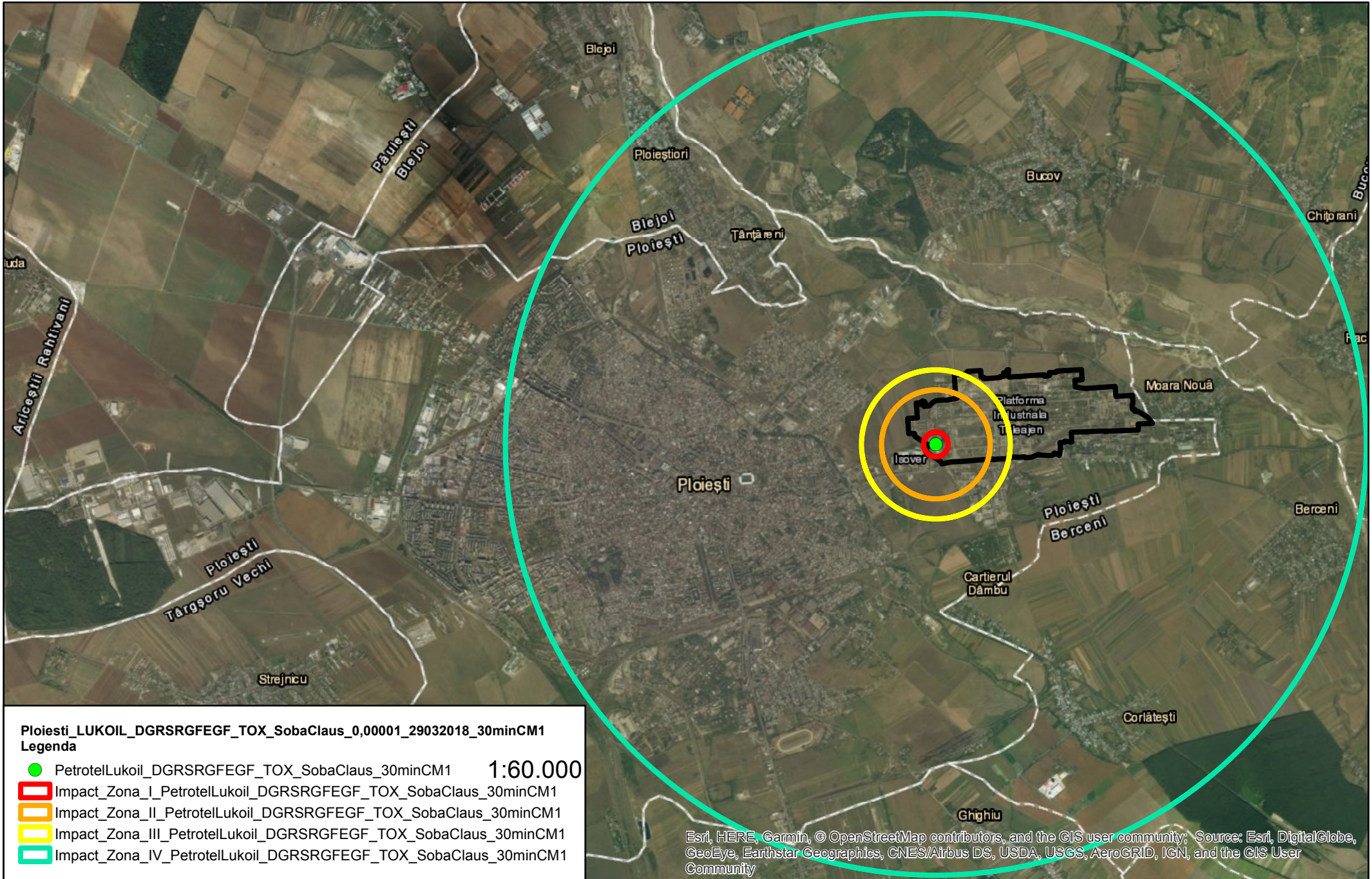


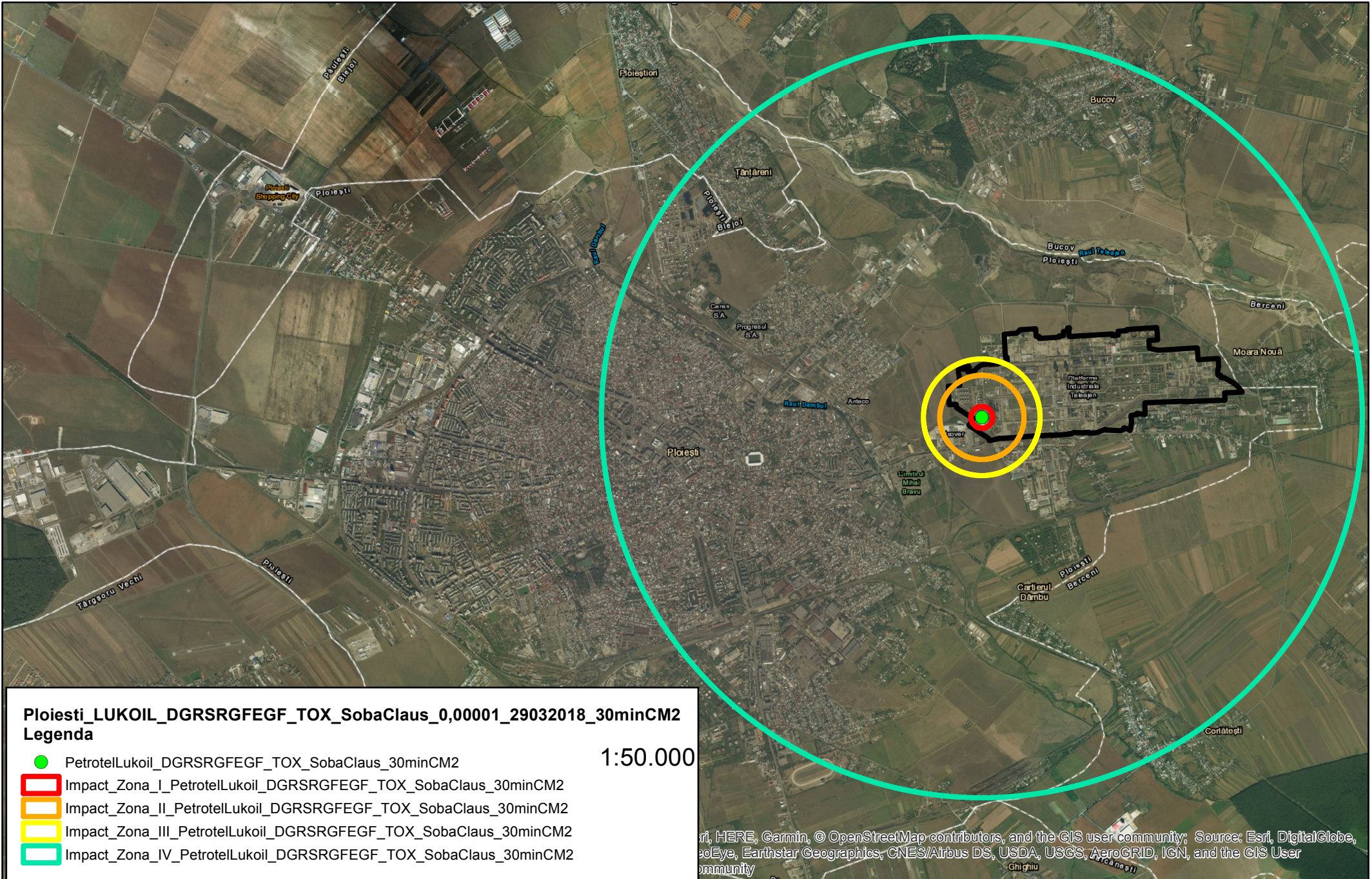


Ploiesti_LUKOIL_DGRSRGFEGF_TOX_SobaClaus_0,00001_29032018_10minCM2
Legenda

- PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_10minCM2 1:50.000
- Impact_Zona_I_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_10minCM2
- Impact_Zona_II_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_10minCM2
- Impact_Zona_III_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_10minCM2
- Impact_Zona_IV_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_10minCM2

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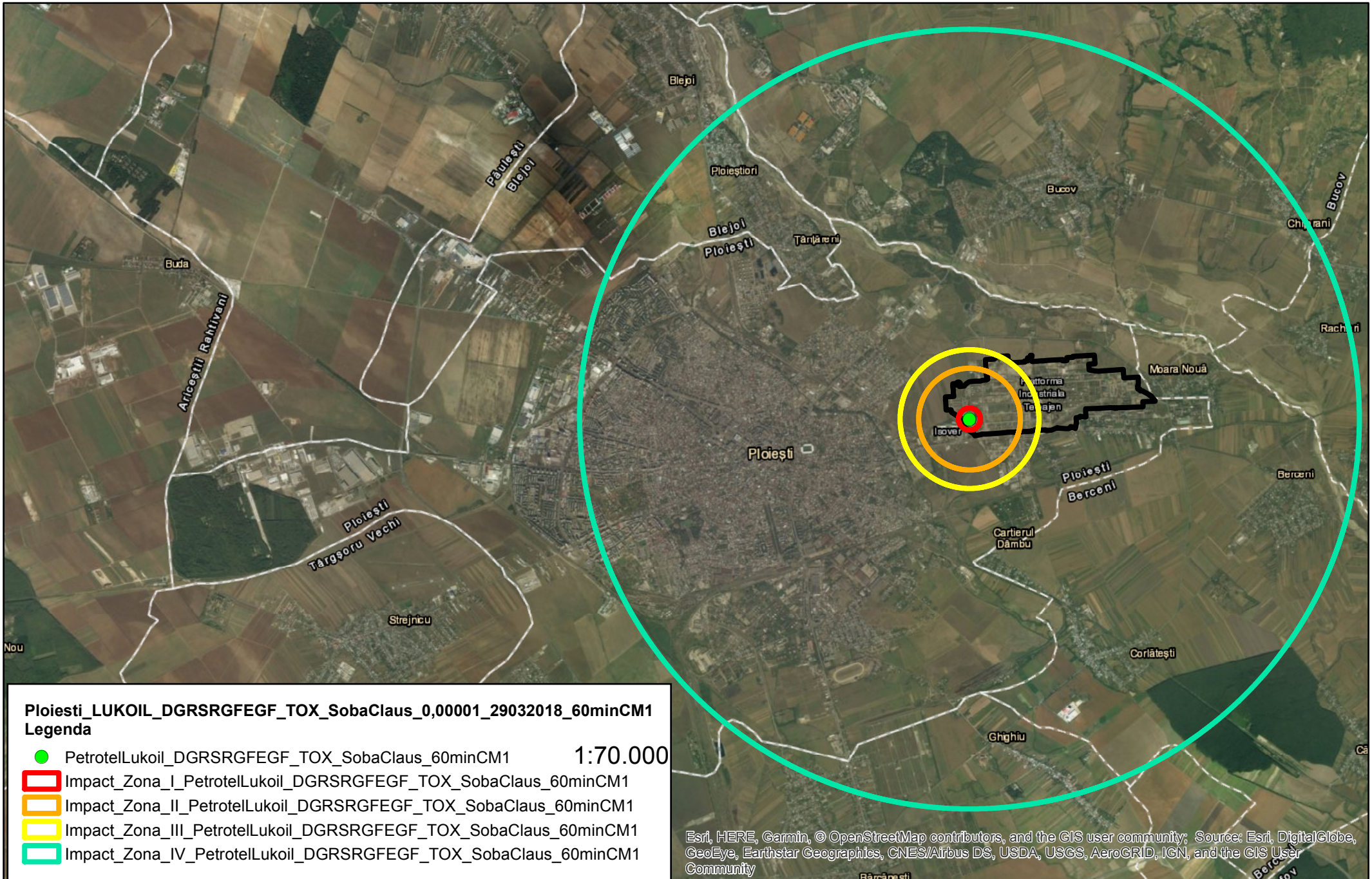


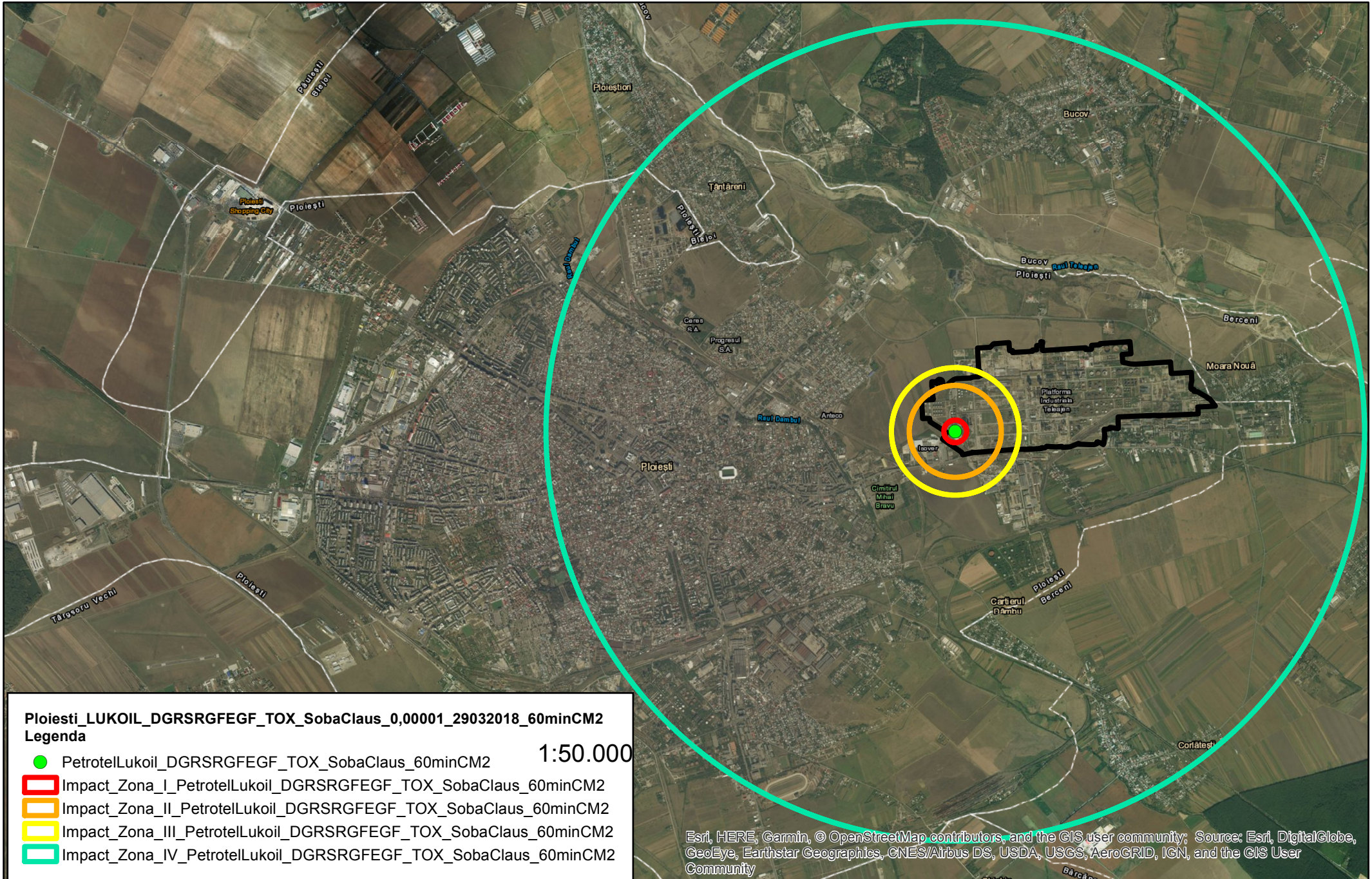
Ploiesti_LUKOIL_DGRSRGFEGF_TOX_SobaClaus_0,00001_29032018_30minCM2
Legenda

- PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_30minCM2
- Impact_Zona_I_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_30minCM2
- Impact_Zona_II_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_30minCM2
- Impact_Zona_III_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_30minCM2
- Impact_Zona_IV_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_30minCM2

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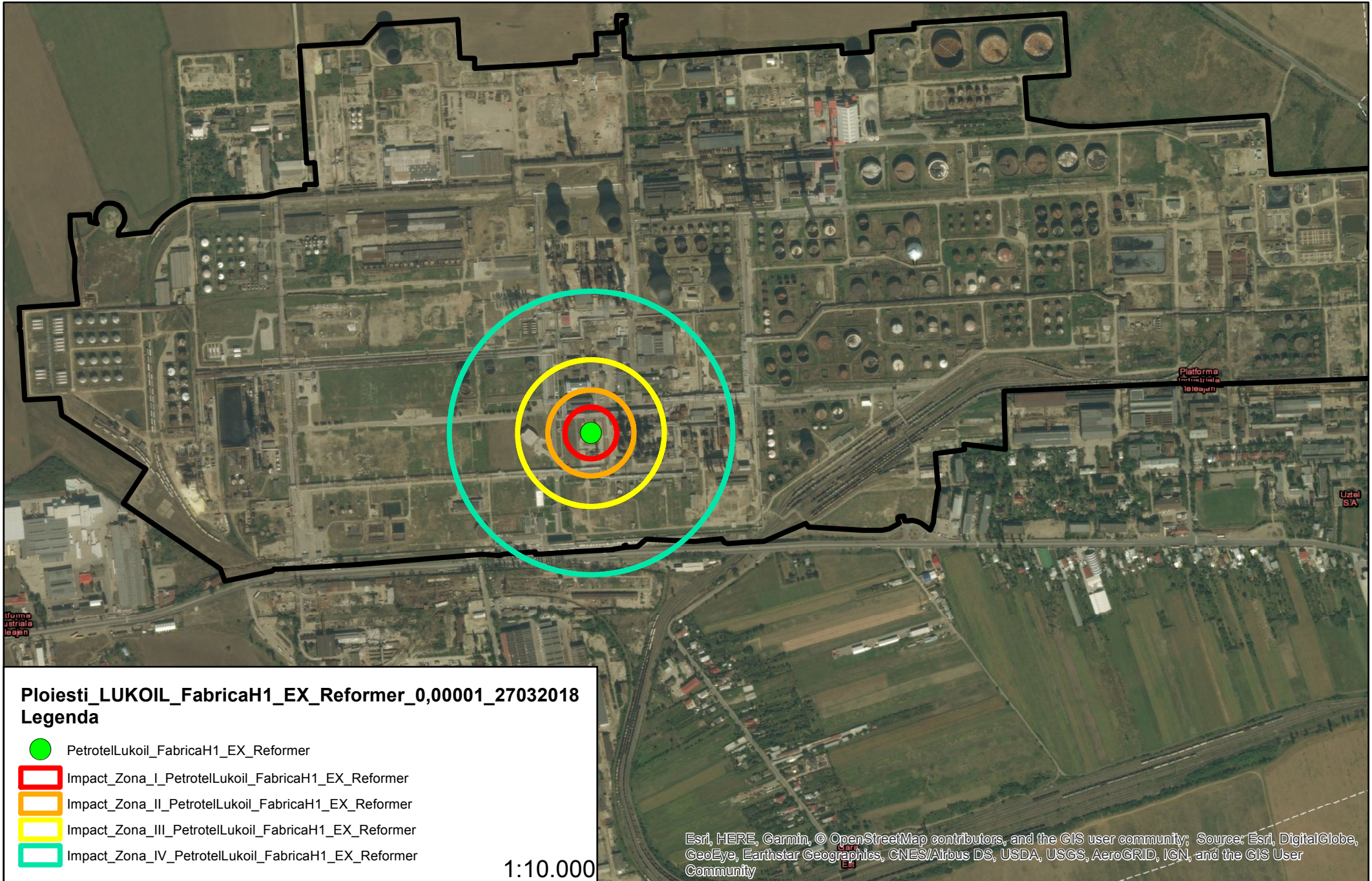
Ploiesti_LUKOIL_DGRSRGFEGF_TOX_SobaClaus_0,00001_29032018_60minCM2

Legenda

- PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_60minCM2
- Impact_Zona_I_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_60minCM2
- Impact_Zona_II_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_60minCM2
- Impact_Zona_III_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_60minCM2
- Impact_Zona_IV_PetrotelLukoil_DGRSRGFEGF_TOX_SobaClaus_60minCM2

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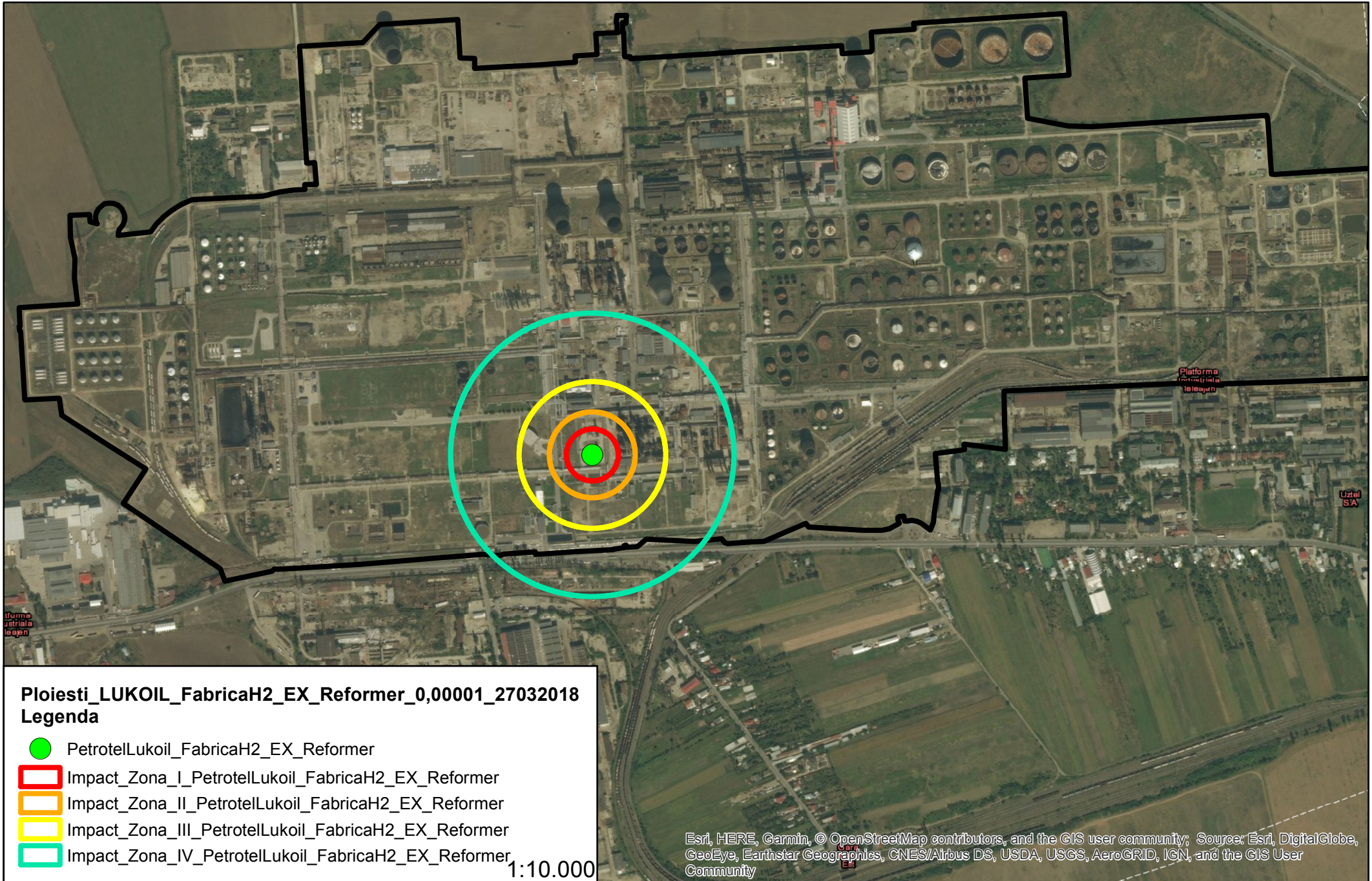


Ploiesti_LUKOIL_FabricaH1_EX_Reformer_0,00001_27032018
Legenda

- PetrotelLukoil_FabricaH1_EX_Reformer
- Impact_Zona_I_PetrotelLukoil_FabricaH1_EX_Reformer
- Impact_Zona_II_PetrotelLukoil_FabricaH1_EX_Reformer
- Impact_Zona_III_PetrotelLukoil_FabricaH1_EX_Reformer
- Impact_Zona_IV_PetrotelLukoil_FabricaH1_EX_Reformer

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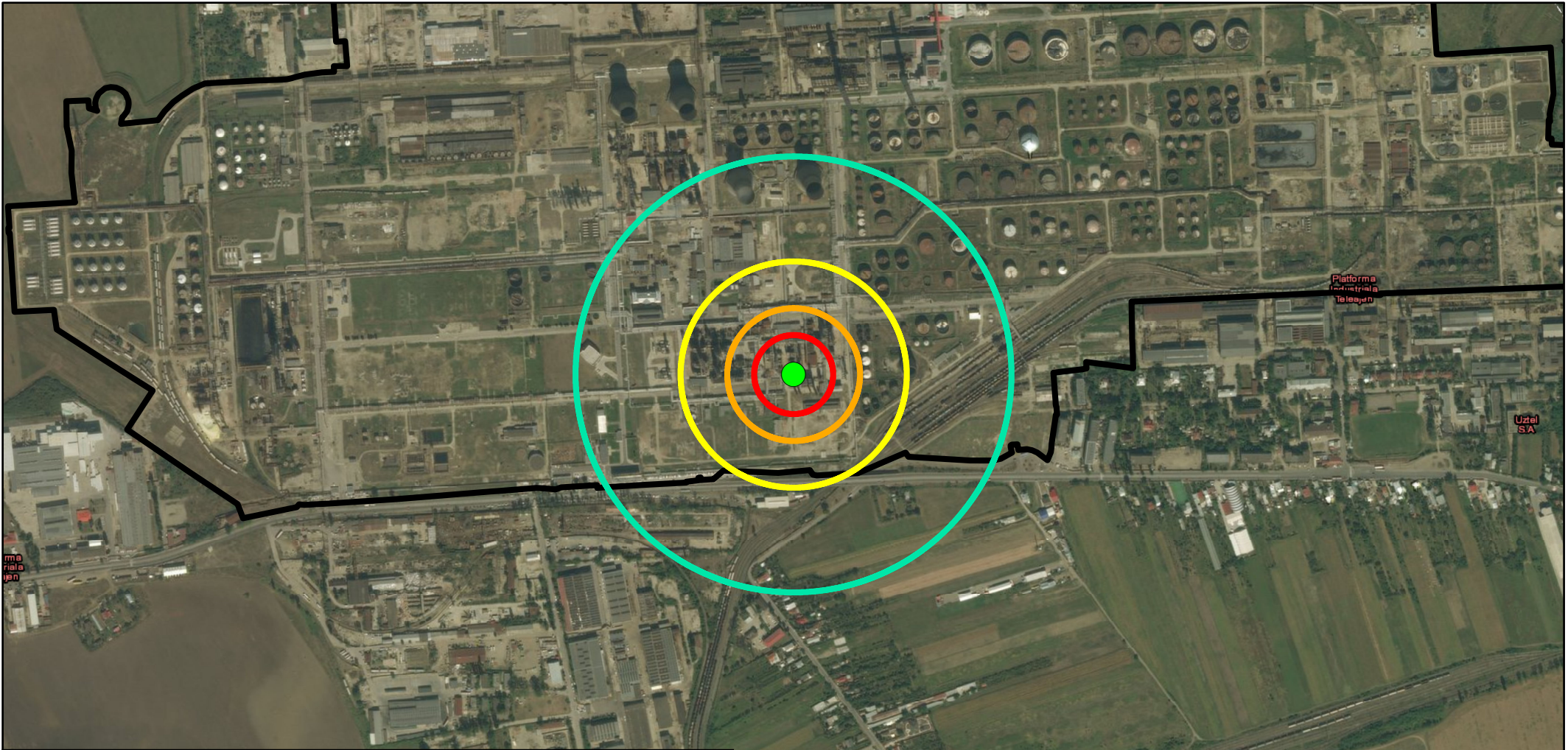
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Ploiesti_LUKOIL_FabricaH2_EX_Reformer_0,00001_27032018
Legenda

- PetrotelLukoil_FabricaH2_EX_Reformer
 - Impact_Zona_I_PetrotelLukoil_FabricaH2_EX_Reformer
 - Impact_Zona_II_PetrotelLukoil_FabricaH2_EX_Reformer
 - Impact_Zona_III_PetrotelLukoil_FabricaH2_EX_Reformer
 - Impact_Zona_IV_PetrotelLukoil_FabricaH2_EX_Reformer
- 1:10.000

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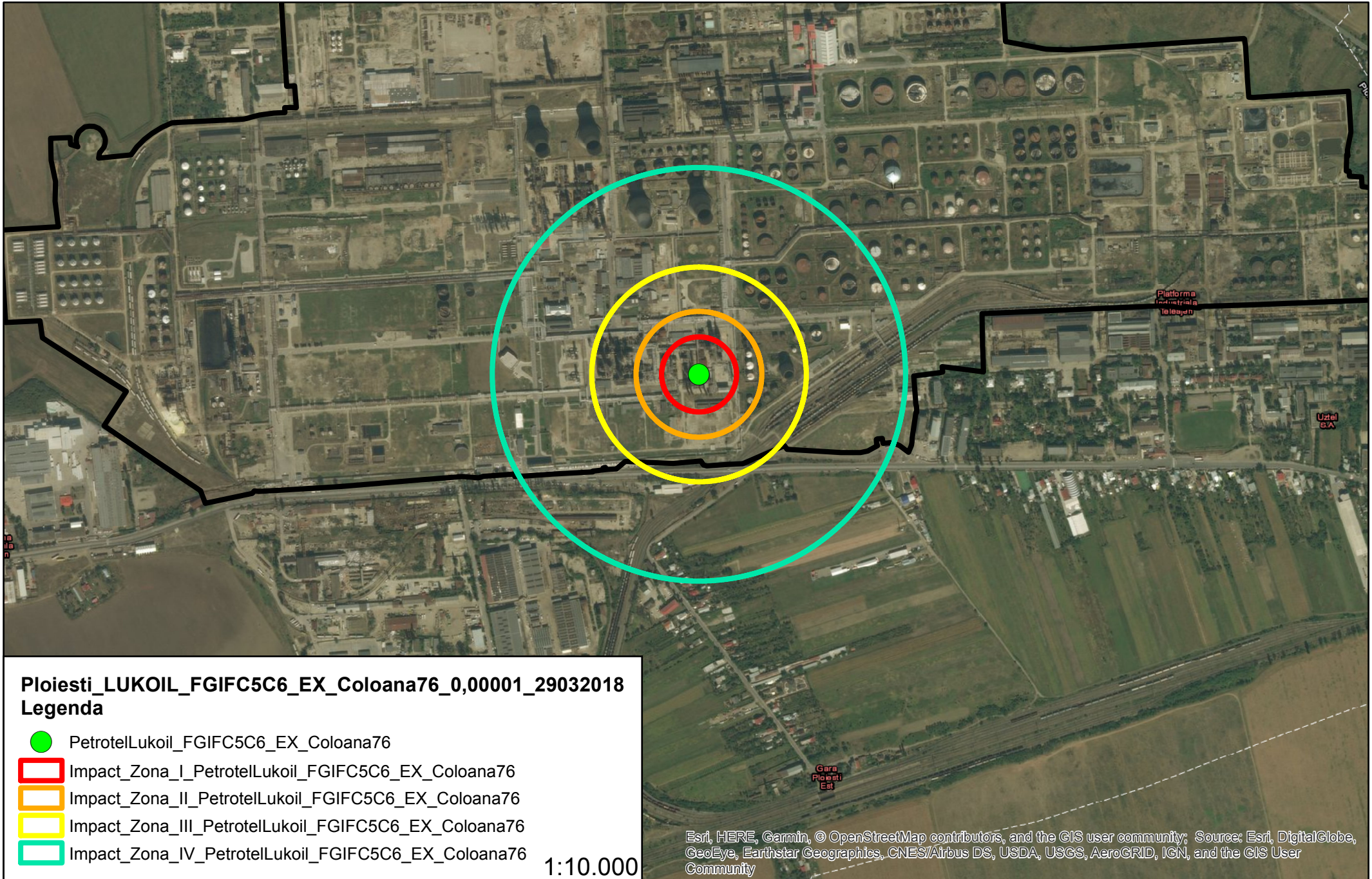


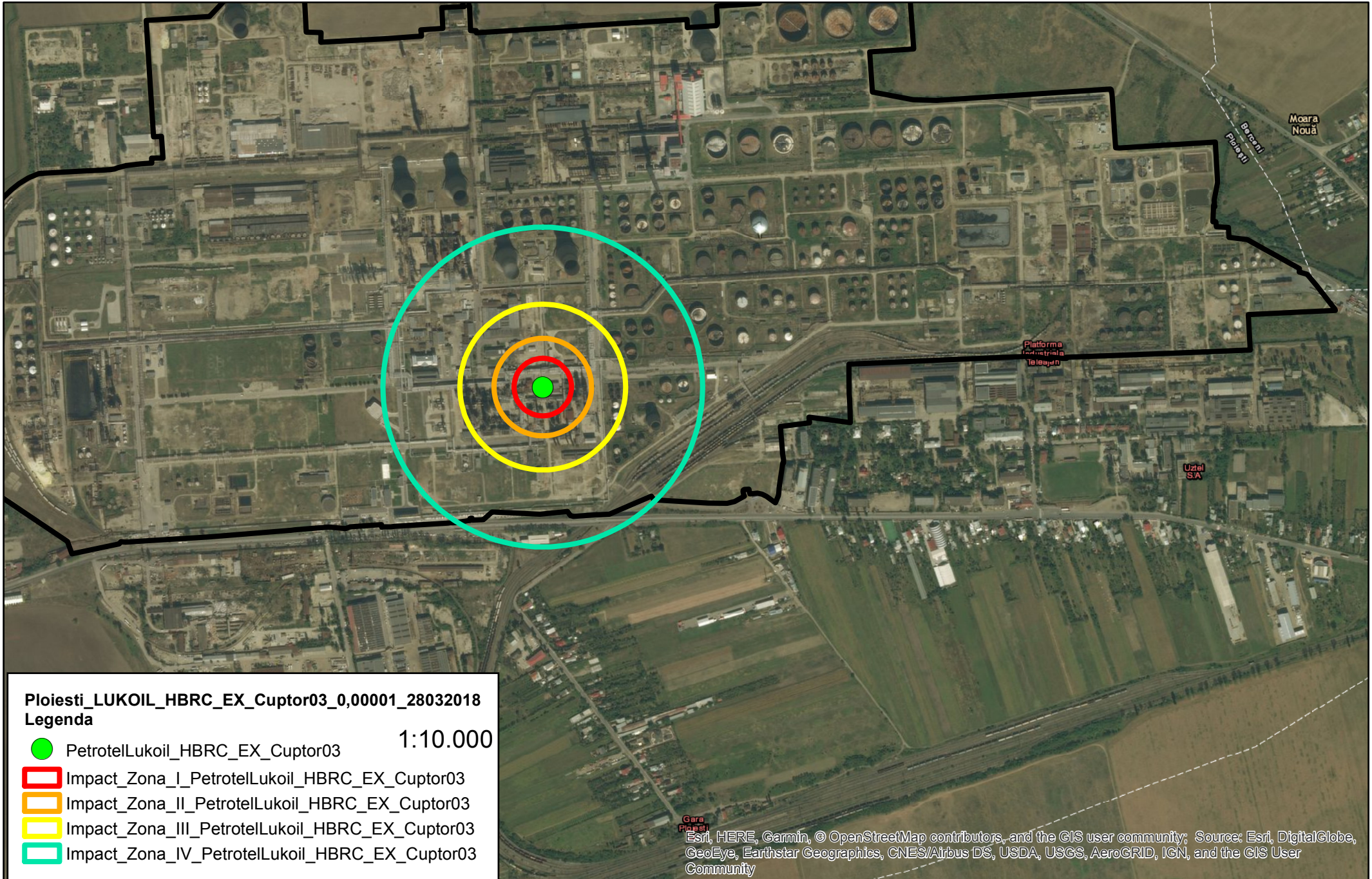
Ploiesti_LUKOIL_FGIFC5C6_EX_Coloana05_0,00001_29032018
Legenda

- PetrotelLukoil_FGIFC5C6_EX_Coloana05
- Impact_Zona_I_PetrotelLukoil_FGIFC5C6_EX_Coloana05
- Impact_Zona_II_PetrotelLukoil_FGIFC5C6_EX_Coloana05
- Impact_Zona_III_PetrotelLukoil_FGIFC5C6_EX_Coloana05
- Impact_Zona_IV_PetrotelLukoil_FGIFC5C6_EX_Coloana05

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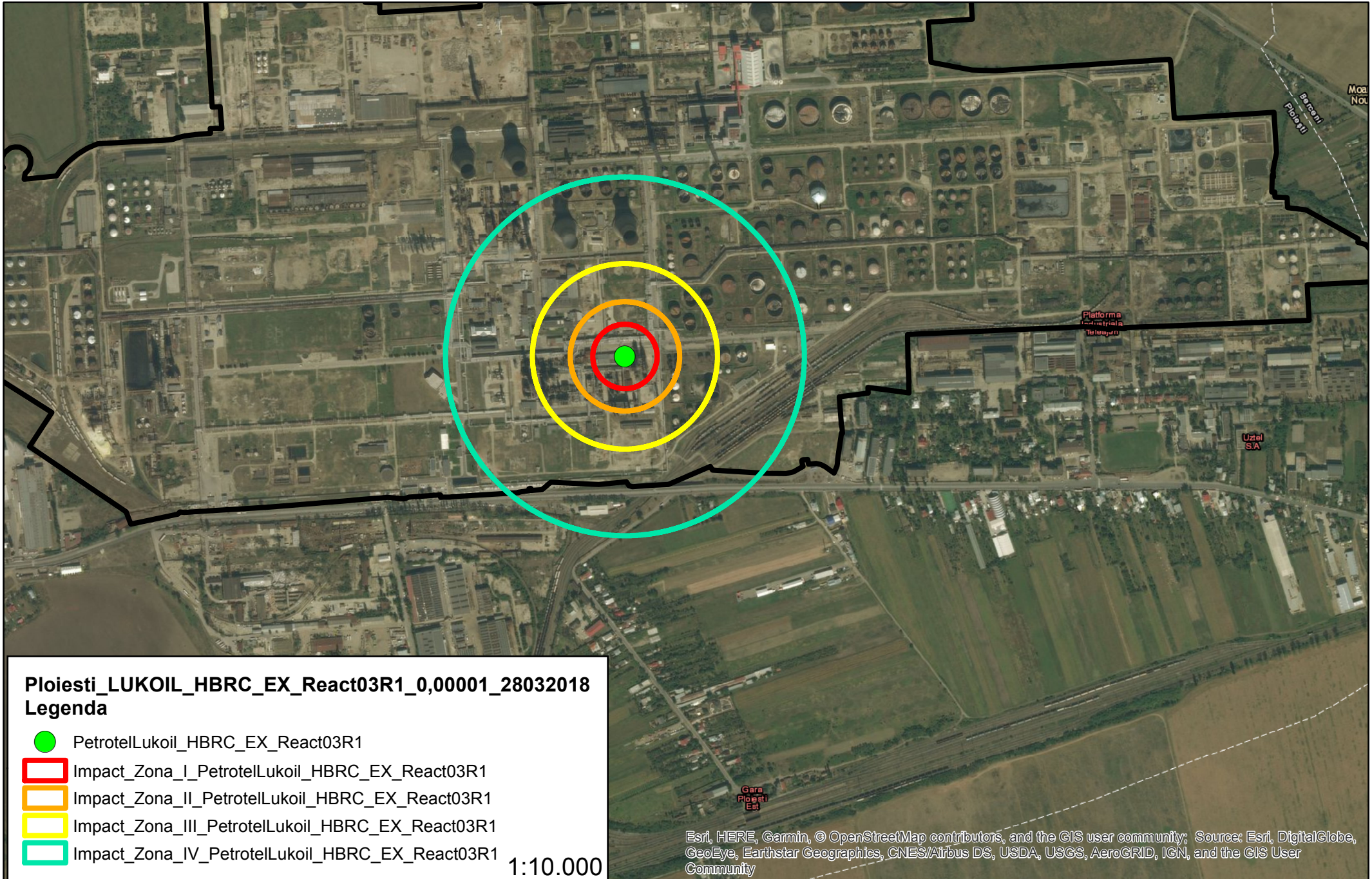




Ploiesti_LUKOIL_HBRC_EX_Cuptor03_0,00001_28032018
Legenda

- PetrotelLukoil_HBRC_EX_Cuptor03 1:10.000
- Impact_Zona_I_PetrotelLukoil_HBRC_EX_Cuptor03
- Impact_Zona_II_PetrotelLukoil_HBRC_EX_Cuptor03
- Impact_Zona_III_PetrotelLukoil_HBRC_EX_Cuptor03
- Impact_Zona_IV_PetrotelLukoil_HBRC_EX_Cuptor03

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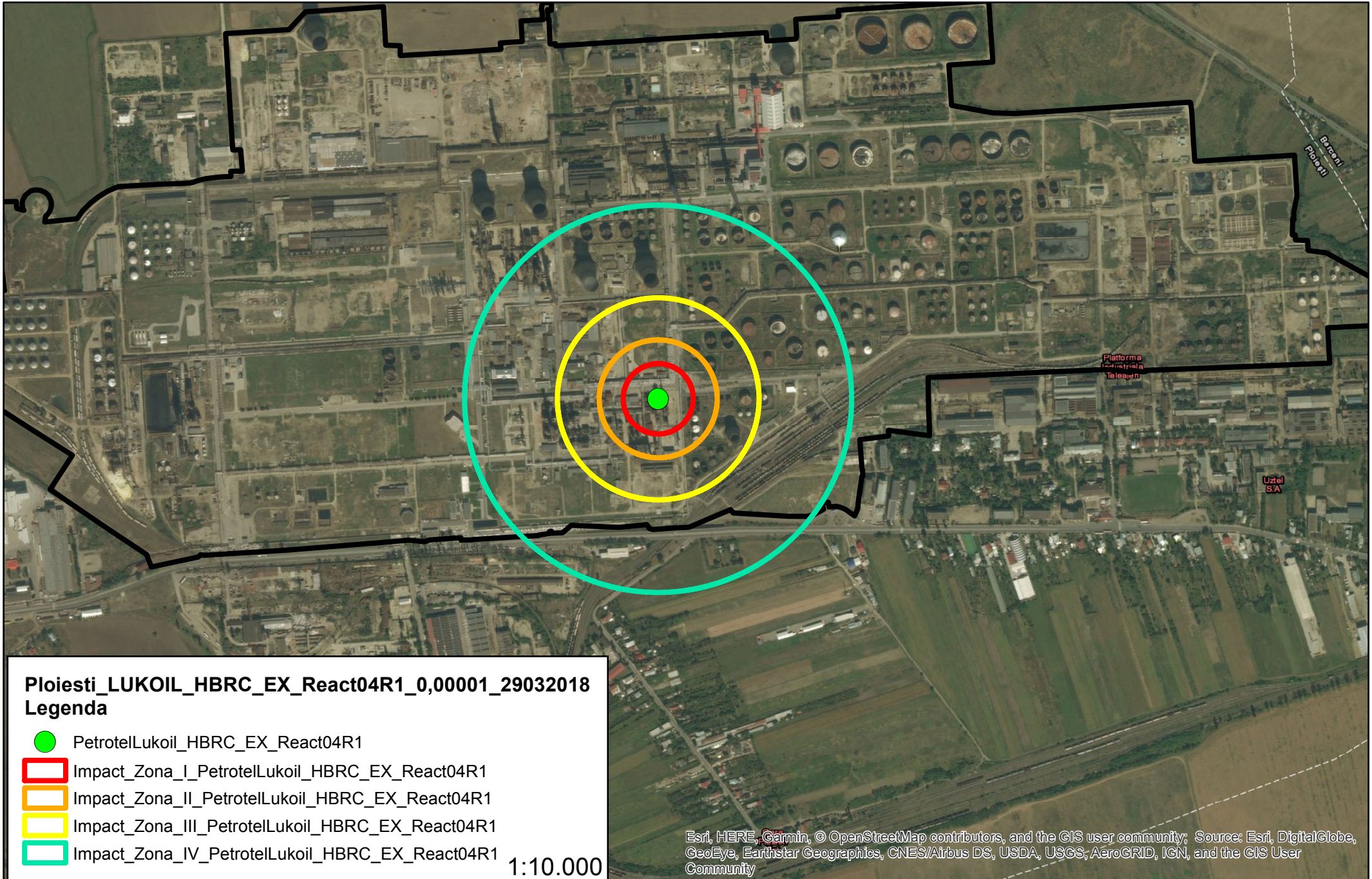


Ploiesti_LUKOIL_HBRC_EX_React03R1_0,00001_28032018
Legenda

- PetrotelLukoil_HBRC_EX_React03R1
- Impact_Zona_I_PetrotelLukoil_HBRC_EX_React03R1
- Impact_Zona_II_PetrotelLukoil_HBRC_EX_React03R1
- Impact_Zona_III_PetrotelLukoil_HBRC_EX_React03R1
- Impact_Zona_IV_PetrotelLukoil_HBRC_EX_React03R1

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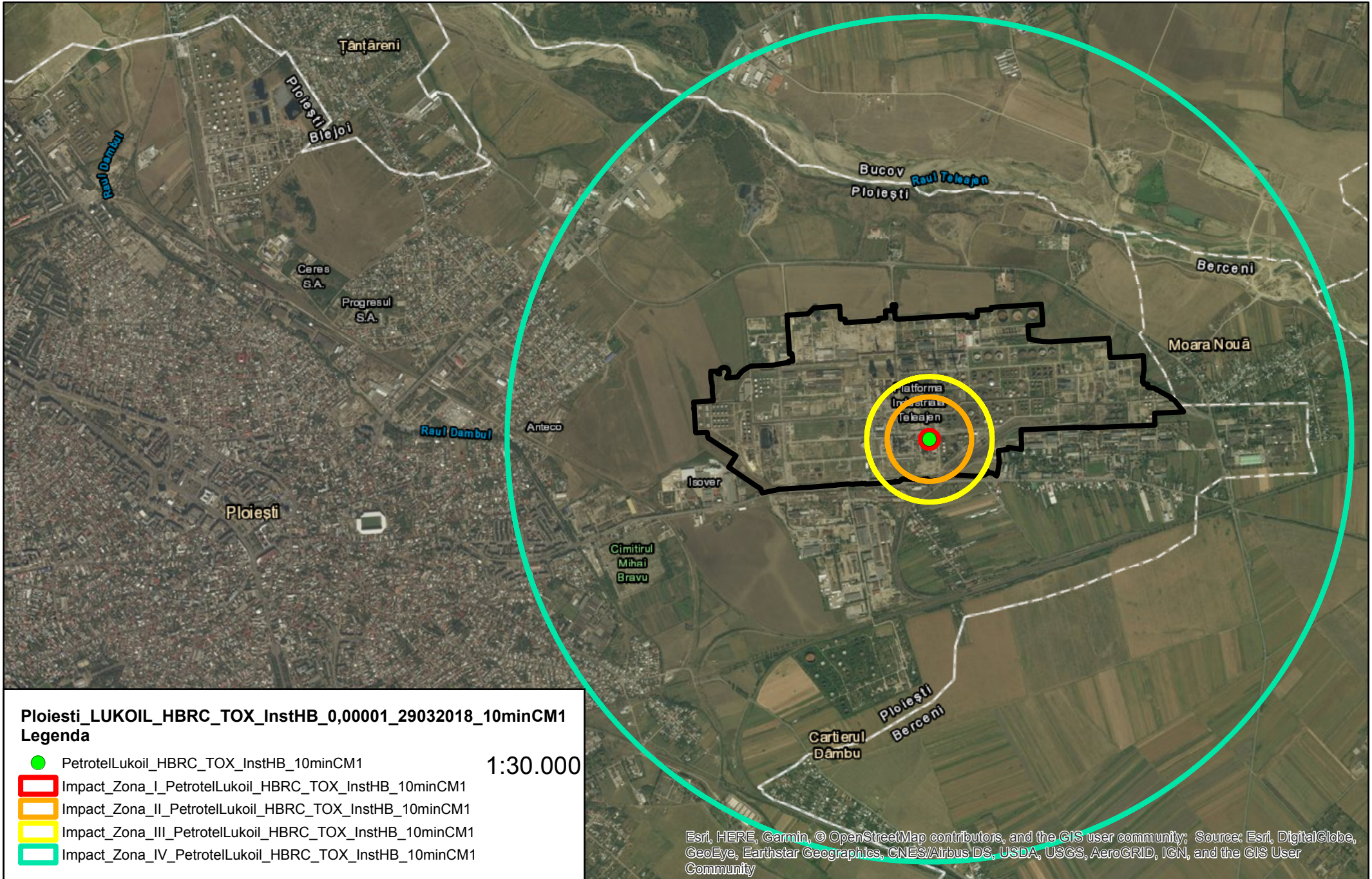
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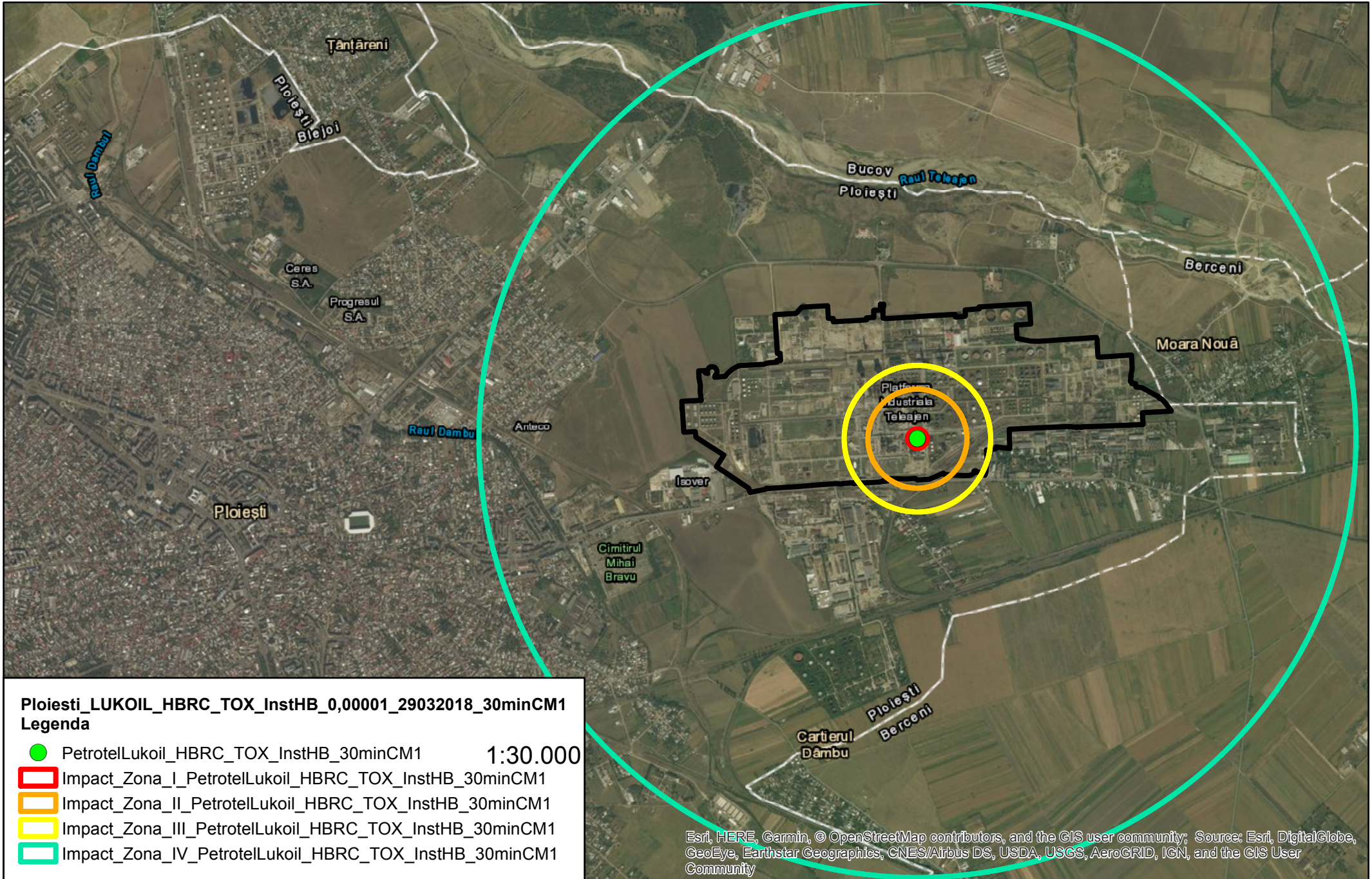


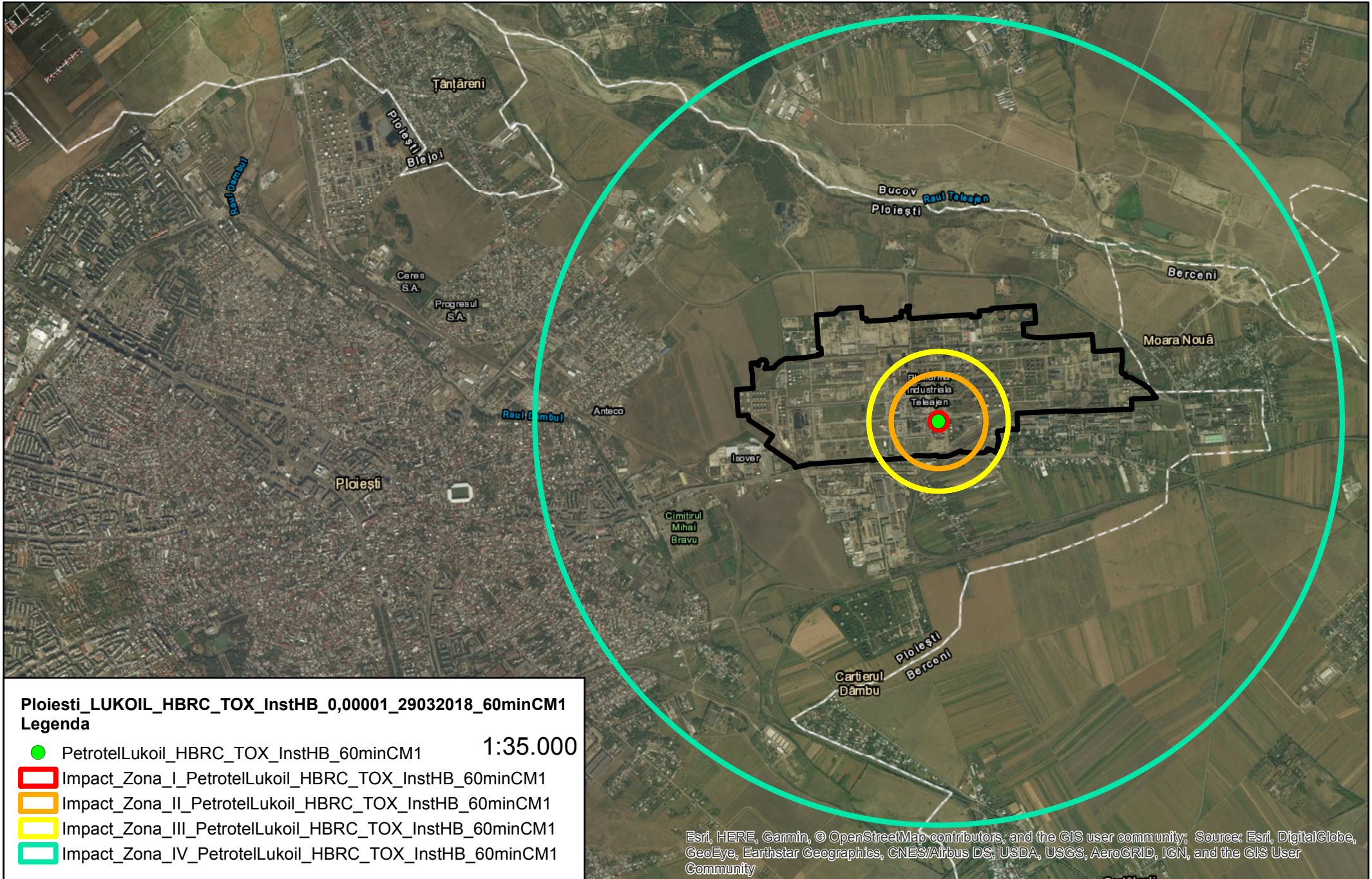
Ploiesti_LUKOIL_HBRC_EX_React04R1_0,00001_29032018
Legenda

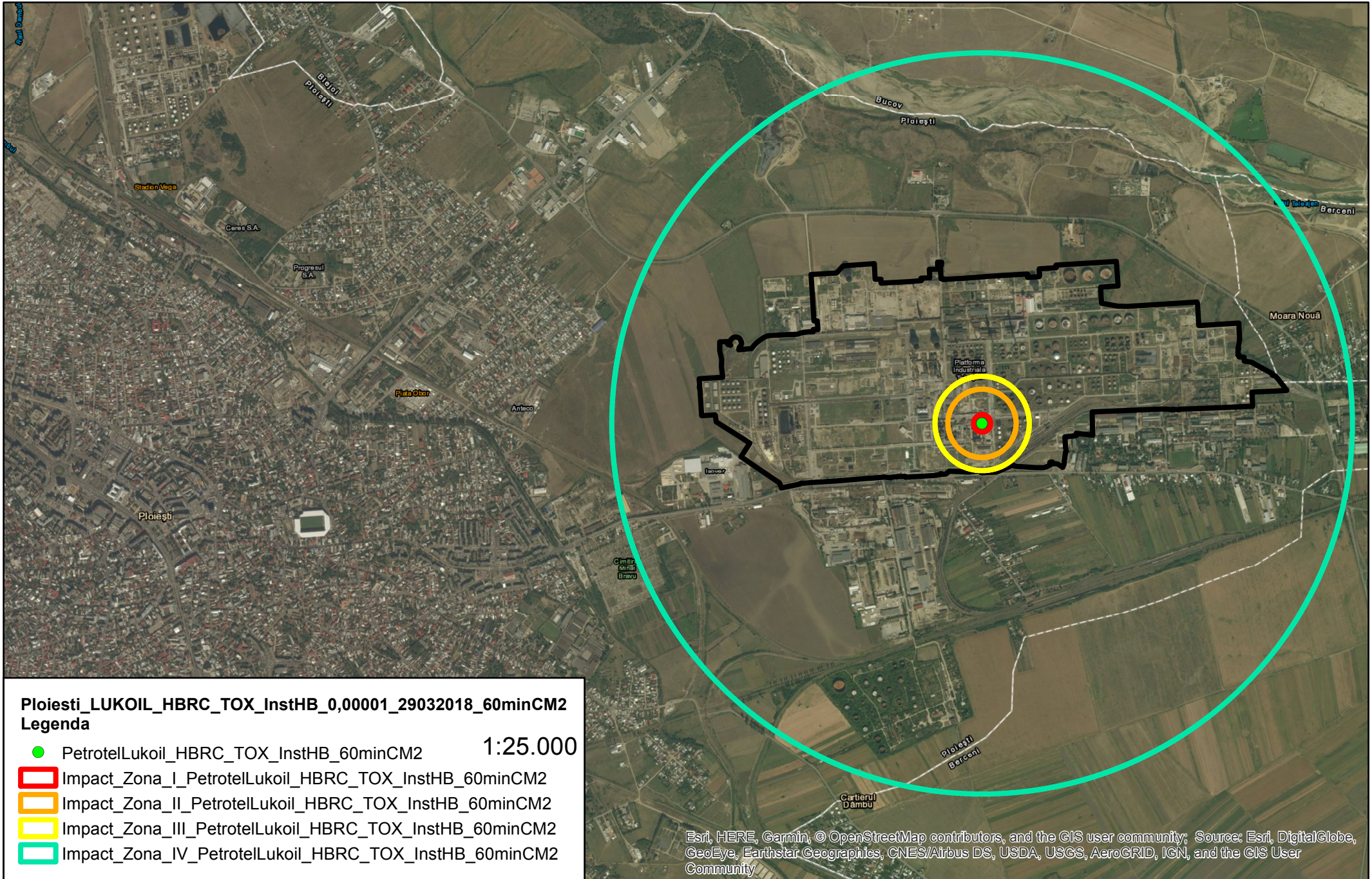
- PetrotelLukoil_HBRC_EX_React04R1
- Impact_Zona_I_PetrotelLukoil_HBRC_EX_React04R1
- Impact_Zona_II_PetrotelLukoil_HBRC_EX_React04R1
- Impact_Zona_III_PetrotelLukoil_HBRC_EX_React04R1
- Impact_Zona_IV_PetrotelLukoil_HBRC_EX_React04R1

1:10.000







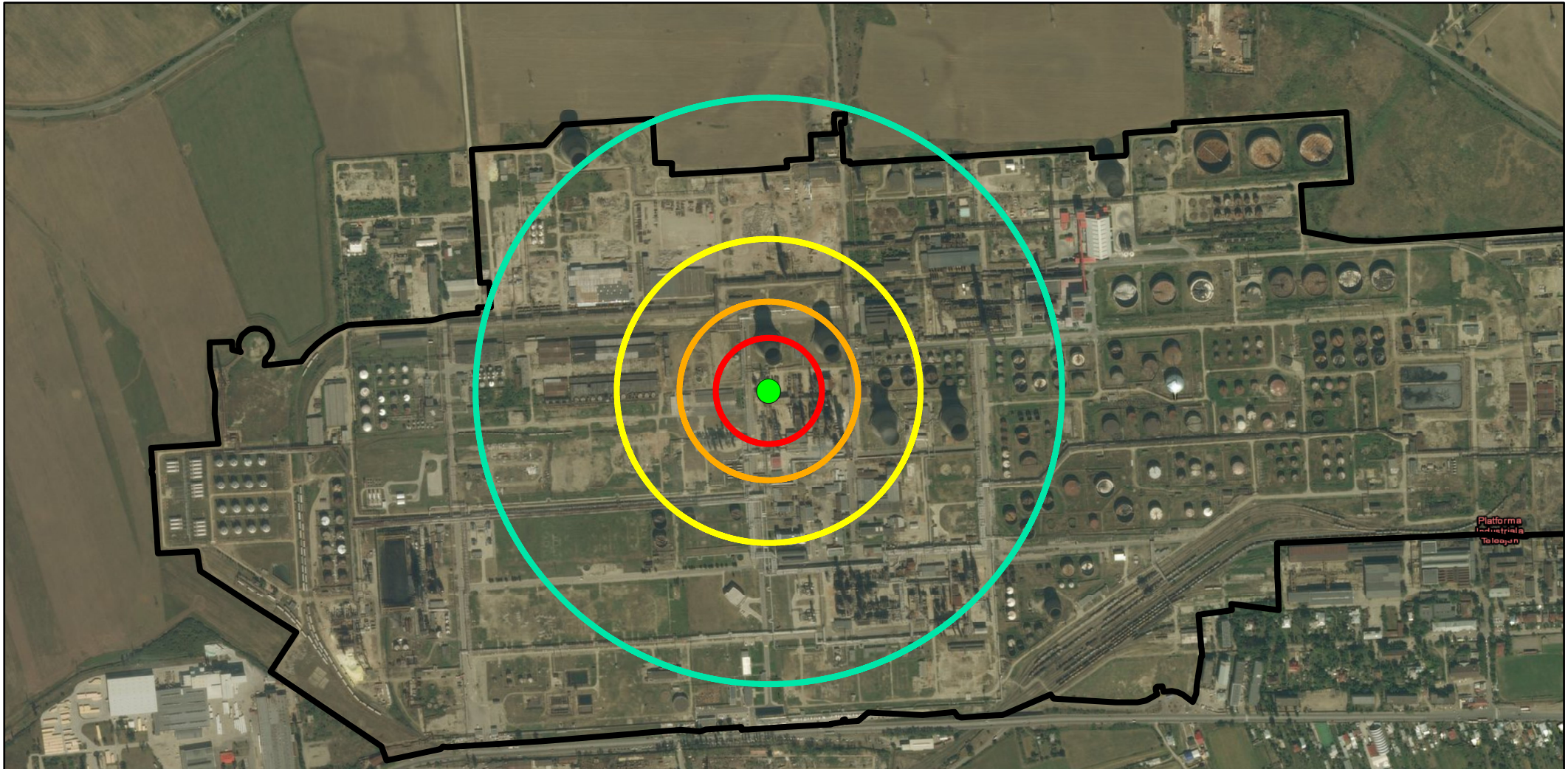


Ploiesti_LUKOIL_HBRC_TOX_InstHB_0,00001_29032018_60minCM2
Legenda

1:25.000

- PetrotelLukoil_HBRC_TOX_InstHB_60minCM2
- Impact_Zona_I_PetrotelLukoil_HBRC_TOX_InstHB_60minCM2
- Impact_Zona_II_PetrotelLukoil_HBRC_TOX_InstHB_60minCM2
- Impact_Zona_III_PetrotelLukoil_HBRC_TOX_InstHB_60minCM2
- Impact_Zona_IV_PetrotelLukoil_HBRC_TOX_InstHB_60minCM2

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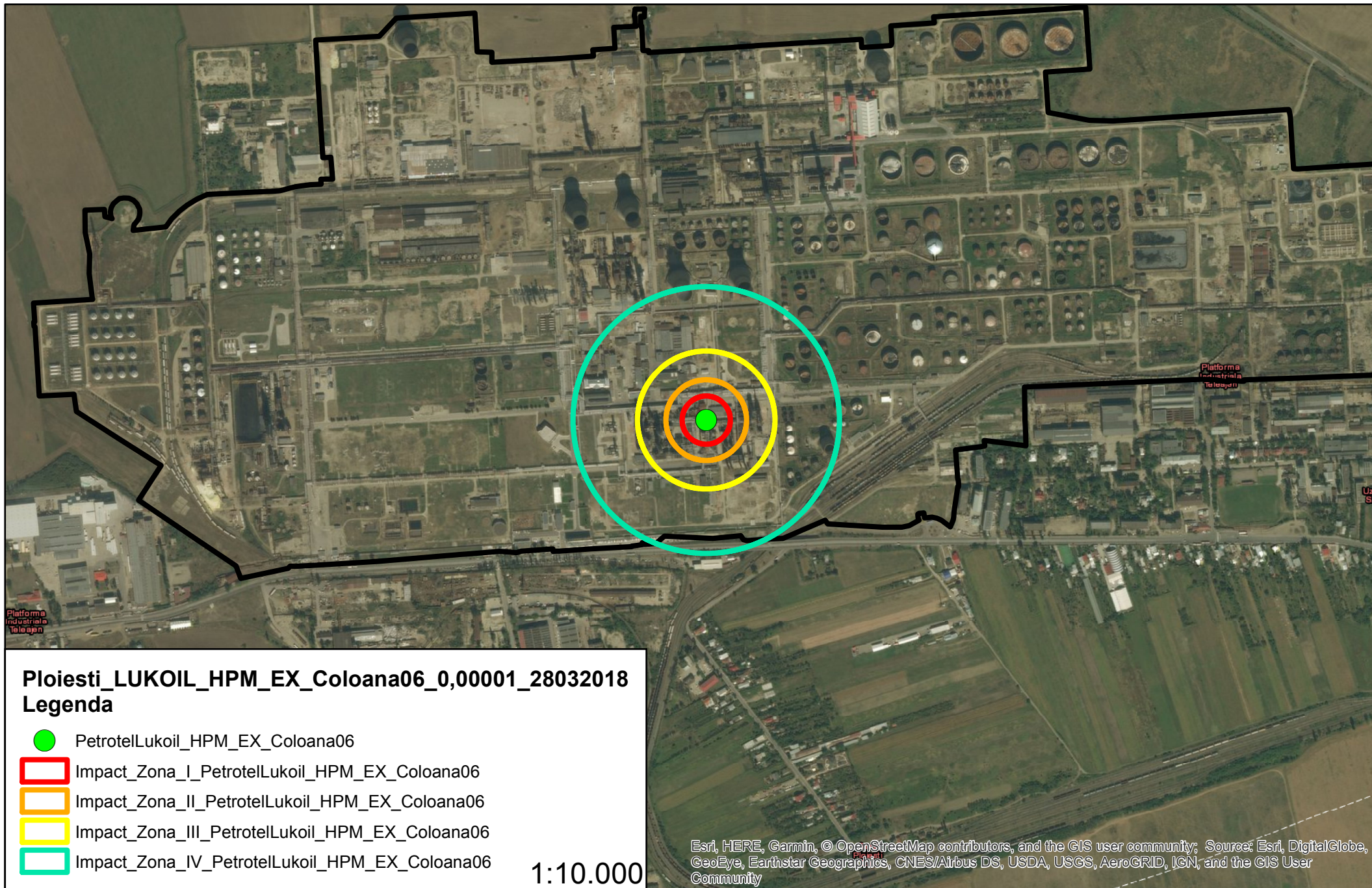


Ploiesti_LUKOIL_HDS_EX_Reactor75R102_0,00001_27032018
Legenda

- PetrotelLukoil_HDS_EX_Reactor75R102
- Impact_Zona_I_PetrotelLukoil_HDS_EX_Reactor75R102
- Impact_Zona_II_PetrotelLukoil_HDS_EX_Reactor75R102
- Impact_Zona_III_PetrotelLukoil_HDS_EX_Reactor75R102
- Impact_Zona_IV_PetrotelLukoil_HDS_EX_Reactor75R102

1:10.000

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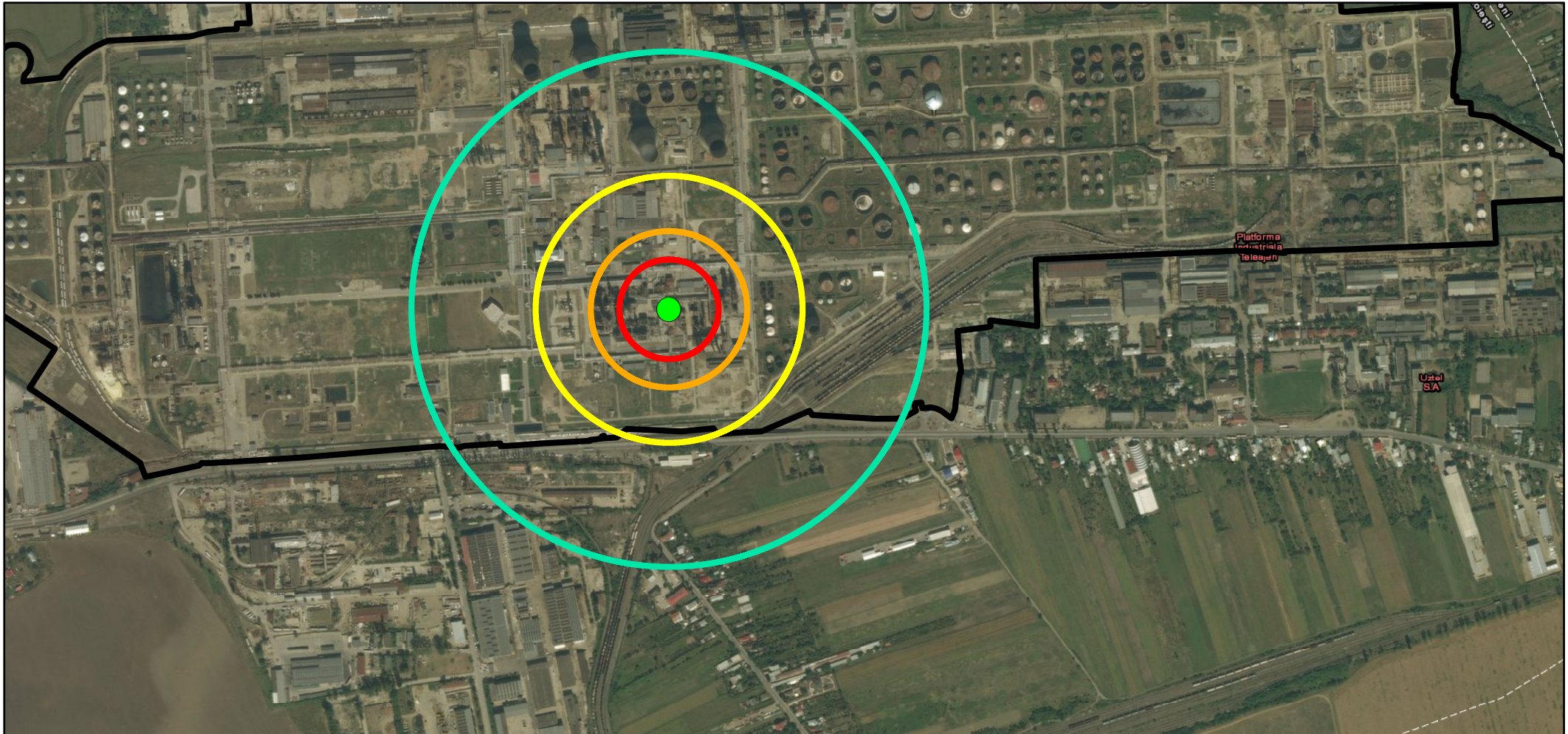
Ploiesti_LUKOIL_HPM_EX_Coloana06_0,00001_28032018

Legenda

- PetrotelLukoil_HPM_EX_Coloana06
- Impact_Zona_I_PetrotelLukoil_HPM_EX_Coloana06
- Impact_Zona_II_PetrotelLukoil_HPM_EX_Coloana06
- Impact_Zona_III_PetrotelLukoil_HPM_EX_Coloana06
- Impact_Zona_IV_PetrotelLukoil_HPM_EX_Coloana06

1:10.000

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Ploiesti_LUKOIL_HPM_EX_Reactor06R2_0,00001_28032018

Legenda

- PetrotelLukoil_HPM_EX_Reactor06R2
- Impact_Zona_I_PetrotelLukoil_HPM_EX_Reactor06R2
- Impact_Zona_II_PetrotelLukoil_HPM_EX_Reactor06R2
- Impact_Zona_III_PetrotelLukoil_HPM_EX_Reactor06R2
- Impact_Zona_IV_PetrotelLukoil_HPM_EX_Reactor06R2

1:10.000

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