



HELCOM



MSP OUTPUT DATA

POLISH „SEAUSE” CASE

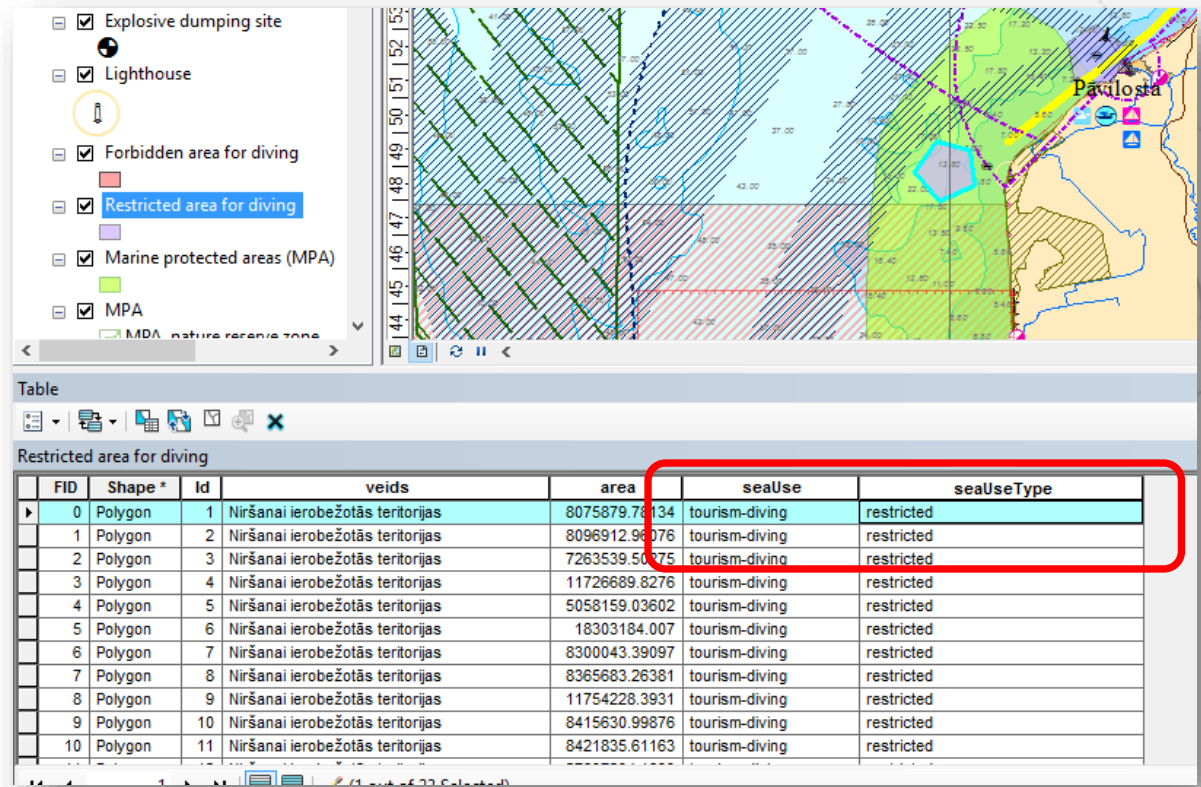
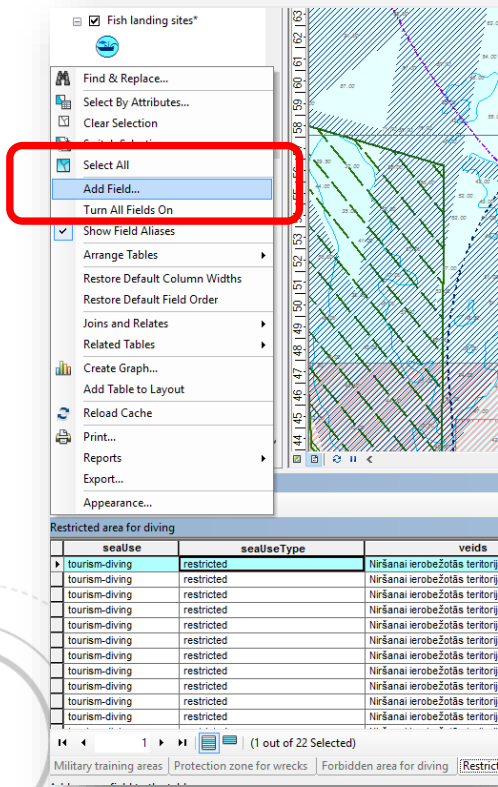
Jakub Szostak, Kamil Rybka

MSP Data Expert Sub-Group 7th meeting
Helsinki, 13.09.2017

Test case goal

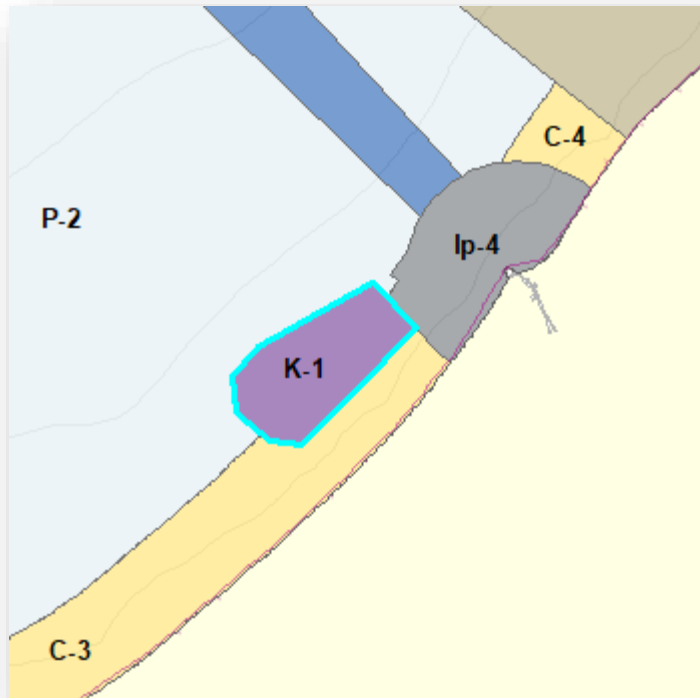
Extending existing MSP data

- SeaUse attribute (related to *OUTPUT data table*)
- SeaUseType attribute (primary, allowed, restricted, forbidden)



Sample area

Multiple *sea uses*, multiple *sea use types*

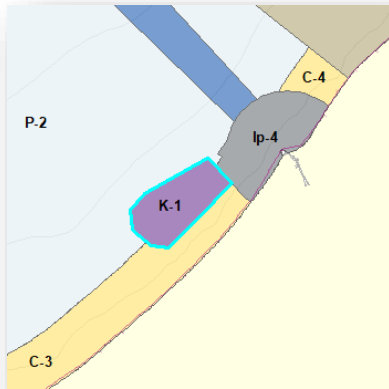


- Priority use: **extraction**
- Allowed uses:
 - transport
 - fishing
 - scientific research
 - tourism
- Restricted uses:
 - [empty]
- Forbidden uses:
 - line
 - installations

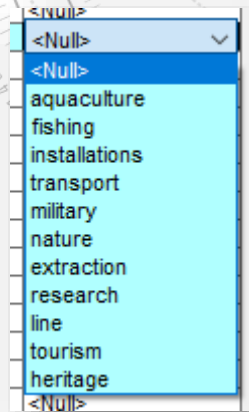
Label name	seaUseType	seaUse
K-2	<Null>	<Null>
K-1	<Null>	<Null>
K-6	<Null>	<Null>
K-4	priority	<Null>
K-5	allowed	<Null>
K-3	restricted	<Null>
B-5	forbidden	<Null>
B-3	<Null>	<Null>
B-2	<Null>	<Null>
B-1	<Null>	<Null>
B-4	<Null>	<Null>

Label name	seaUseType	seaUse
K-2	<Null>	<Null>
K-1	<Null>	<Null>
K-6	<Null>	<Null>
K-4	<Null>	aquaculture
K-5	<Null>	fishing
K-3	<Null>	installations
B-5	<Null>	transport
B-3	<Null>	military
B-2	<Null>	nature
B-1	<Null>	extraction
B-4	<Null>	research
E-2	<Null>	line
E-3	<Null>	tourism
E-1	<Null>	heritage
Op-3	<Null>	<Null>

Kamil's Idea



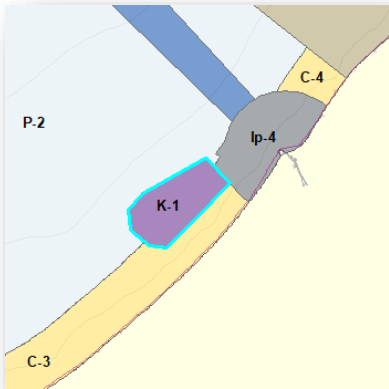
- Priority use: **extraction**
- Allowed uses:
 - Transport, fishing, research, tourism
- Restricted uses:
 - [empty]
- Forbidden uses:
 - Line, installations



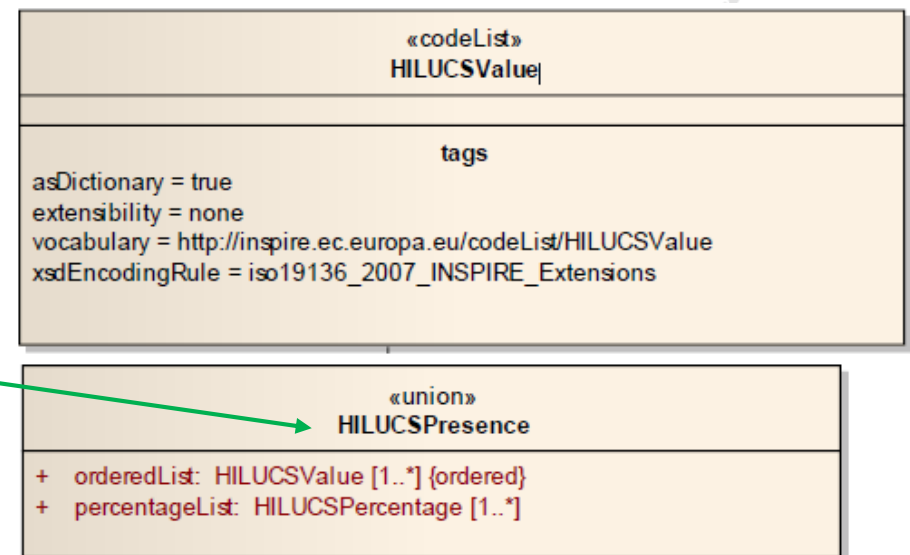
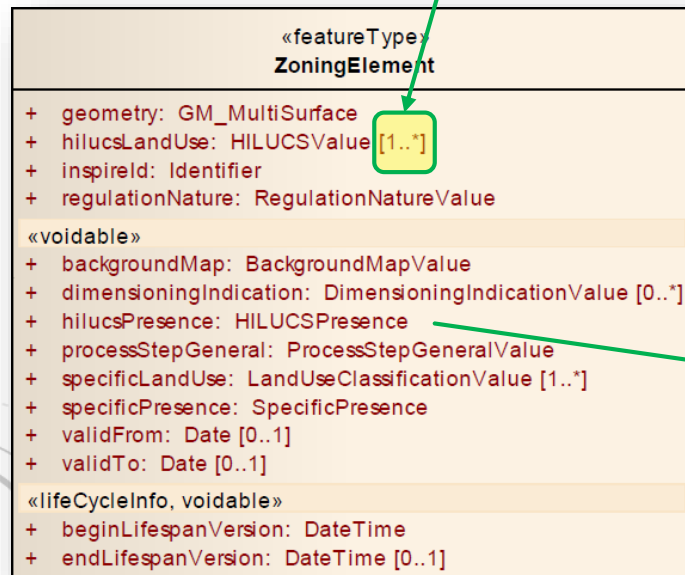
Label name	sea X eType	se X se	priorityUse	allowedUse	restrictedU	forbiddenUse
Ip-6	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
K-2	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
K-1	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
K-6	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
K-4	priority	<Null>	<Null>	<Null>	<Null>	<Null>
K-5	allowed	<Null>	<Null>	<Null>	<Null>	<Null>
K-3	restricted	<Null>	<Null>	<Null>	<Null>	<Null>
B-5	forbidden	<Null>	<Null>	<Null>	<Null>	<Null>
B-3	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
B-2	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
B-1	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>

INSPIRE compliance

One priority use, multiple allowed uses

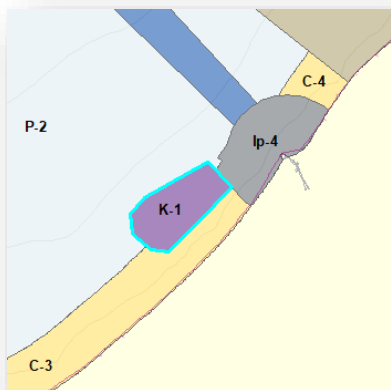


- Priority use: **extraction**
- Allowed uses:
 - Transport, fishing, research, tourism
- Restricted uses:
 - [empty]
- Forbidden uses:
 - Line, installations



INSPIRE compliance

Multiple restricted and forbidden uses



- Priority use: **extraction**
- Allowed uses:
 - Transport, fishing, research, tourism
- Restricted uses:
 - [empty]
- Forbidden uses:
 - Line, installations

«featureType» SupplementaryRegulation	
+ geometry: GM_Object	
+ inspireId: Identifier	
+ regulationNature: RegulationNatureValue	
+ supplementaryRegulation: SupplementaryRegulationValue	[1..*]
«voidable»	
+ backgroundMap: BackgroundMapValue	
+ dimensioningIndication: DimensioningIndicationValue	[0..*]
+ inheritedFromOtherPlans: Boolean	
+ name: CharacterString	[0..*]
+ processStepGeneral: ProcessStepGeneralValue	
+ specificRegulationNature: CharacterString	
+ specificSupplementaryRegulation: SpecificSupplementaryRegulationValue	[1..*]
+ validFrom: Date	[0..1]
+ validTo: Date	[0..1]
«lifeCycleInfo, voidable»	
+ beginLifespanVersion: DateTime	
+ endLifespanVersion: DateTime	[0..1]

SupplementaryRegulationValue [1..*]

INSPIRE compliance

SupplementaryRegulation: Input data -> Output data

INSPIRE Directive:

- Supplementary information is often present in spatial planning document and **delimits locations where a specific regulation applies** and supplements the regulations of the zoning.
- The FeatureType SupplementaryRegulation must be used **if any intention or limitation also exists** at this point.
- NOTE3: Planned land use incorporate elements that in the real world can be related to other INSPIRE spatial data themes such as **Area management/restriction/ regulation zones** and reporting units (AM, Annex III theme 11) or Natural Risk Zones (NZ, annex III theme 12). **These will be seen as supplementary regulation** in the Land Use data model (planned land Use) as soon as this information is incorporated in the legal spatial plan, i.e. **only information that is geographical and legally binding in the spatial plan will be considered as a supplementary regulation** although it may belong to another theme.

«featureType» SupplementaryRegulation	
+ geometry: GM_Object	
+ InspireId: Identifier	
+ regulationNature: RegulationNatureValue	
+ supplementaryRegulation: SupplementaryRegulationValue [1..*]	
«voidable»	
+ backgroundMap: BackgroundMapValue	
+ dimensioningIndication: DimensioningIndicationValue [0..*]	
+ inheritedFromOtherPlans: Boolean	
+ name: CharacterString [0..*]	
+ processStepGeneral: ProcessStepGeneralValue	
+ specificRegulationNature: CharacterString	
+ specificSupplementaryRegulation: SpecificSupplementaryRegulationValue [1..*]	
+ validFrom: Date [0..1]	
+ validTo: Date [0..1]	
«lifeCycleInfo, voidable»	
+ beginLifespanVersion: DateTime	
+ endLifespanVersion: DateTime [0..1]	

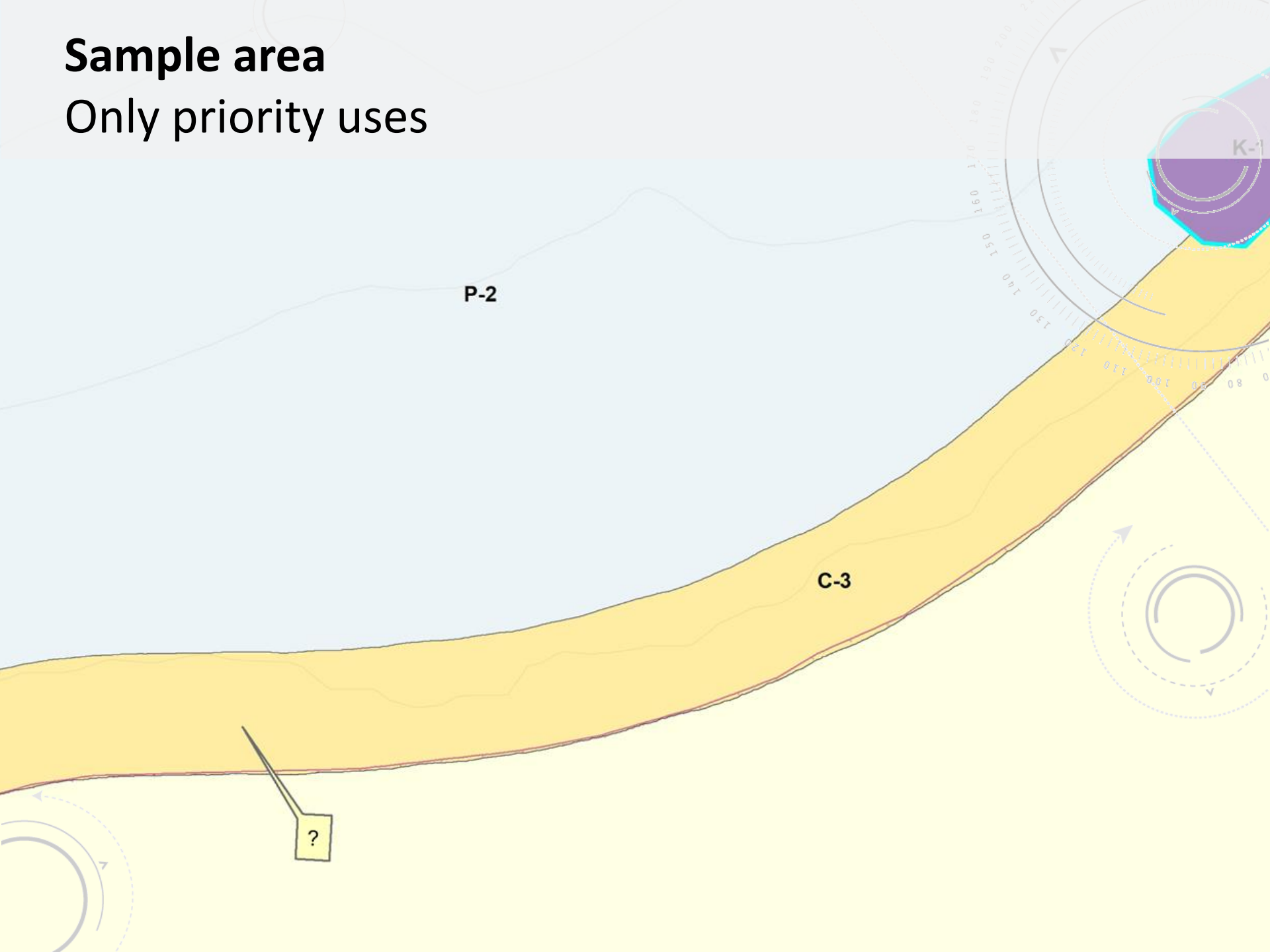
Kamil's Idea

Attributes

- mspPriorityUse: *SeaUse* [0..1]
- mspAllowedUse: *SeaUse* [0..*]
- mspRestrictedUse: *SeaUse*[0..*]
- mspForbiddenUse: *SeaUse*[0..*]
- mspUseDsc: *Text*

Label name	sea X eType	se X se	priorityUse	allowedUse	restrictedU	forbiddenUse
lp-6	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
K-2	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
K-1	<Null> ▾	<Null>	<Null>	<Null>	<Null>	<Null>
K-6	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
K-4	priority	<Null>	<Null>	<Null>	<Null>	<Null>
K-5	allowed	<Null>	<Null>	<Null>	<Null>	<Null>
K-3	restricted	<Null>	<Null>	<Null>	<Null>	<Null>
B-5	forbidden	<Null>	<Null>	<Null>	<Null>	<Null>
B-3	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
B-2	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
B-1	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>

Sample area
Only priority uses



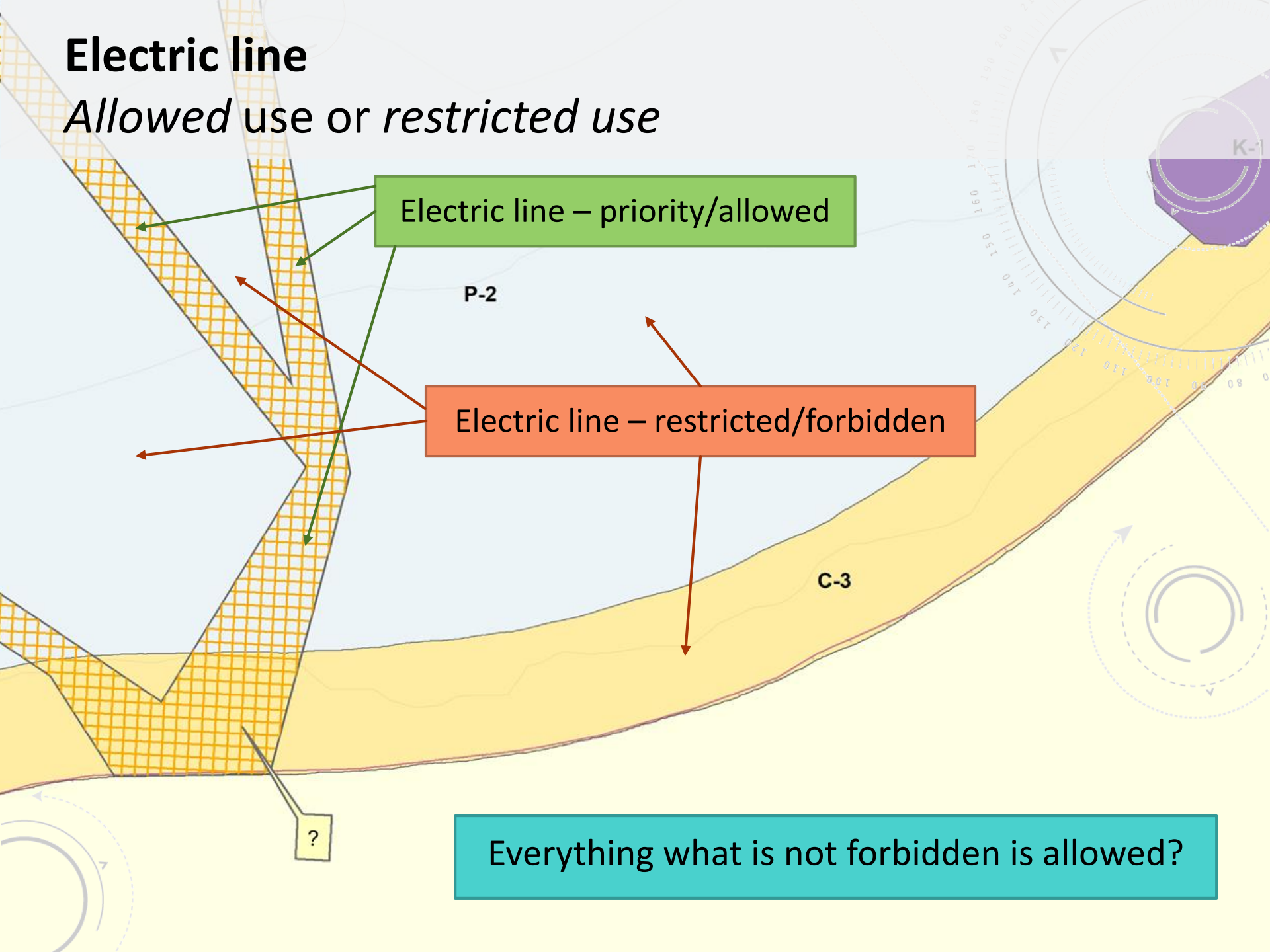
Electric line

Allowed use or restricted use

Electric line – priority/allowed

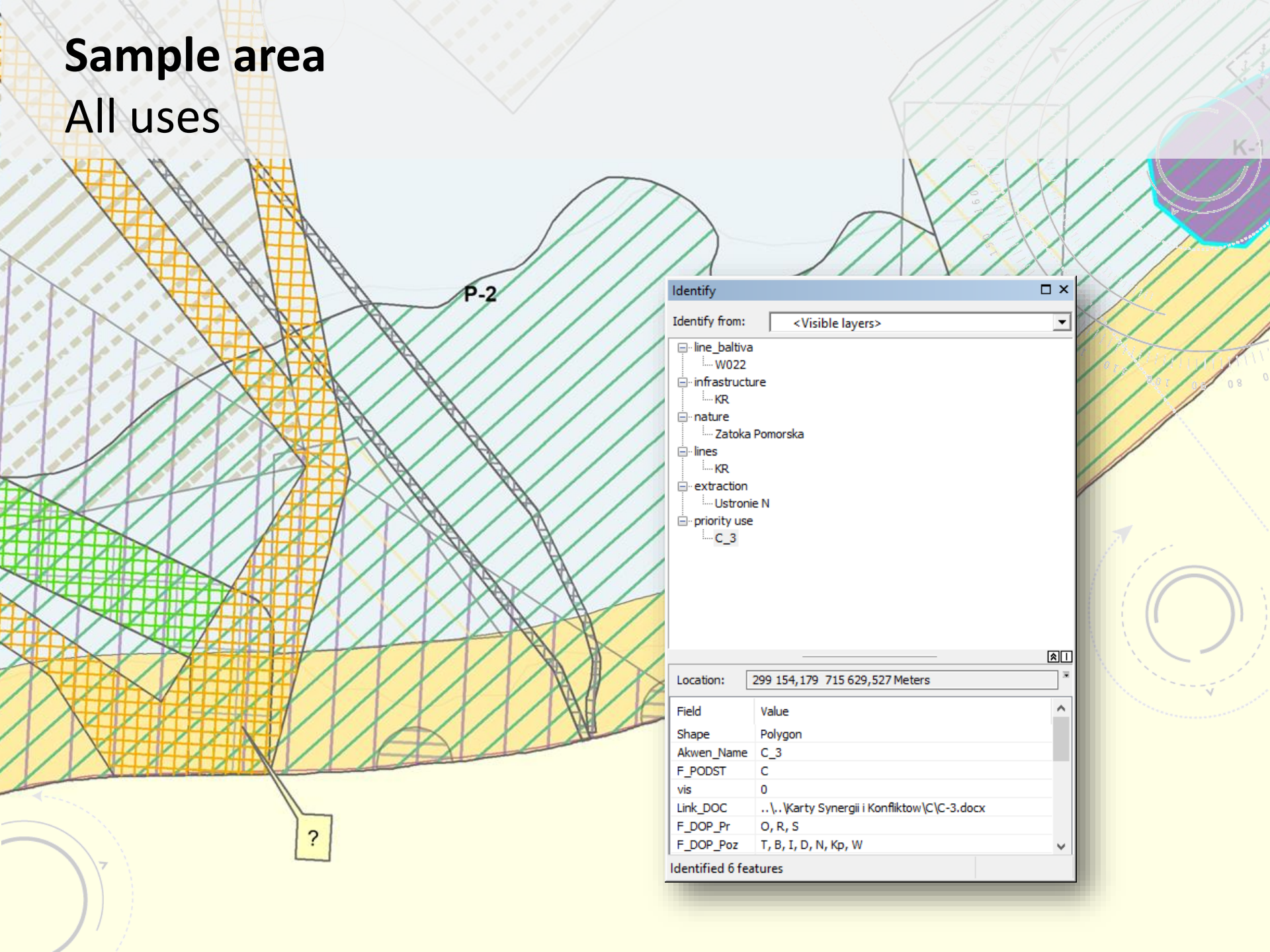
Electric line – restricted/forbidden

Everything what is not forbidden is allowed?



Sample area

All uses



Identify

Identify from: <Visible layers>

- line_baltiva
 - W022
- infrastructure
 - KR
- nature
 - Zatoka Pomorska
- lines
 - KR
- extraction
 - Ustronie N
- priority use
 - C_3

Location: 299 154,179 715 629,527 Meters

Field	Value
Shape	Polygon
Akwen_Name	C_3
F_PODST	C
vis	0
Link_DOC	..\..\Karty Synergii i Konfliktow\C\C-3.docx
F_DOP_Pr	O, R, S
F_DOP_Poz	T, B, I, D, N, Kp, W

Identified 6 features



HELCOM



THANK YOU

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