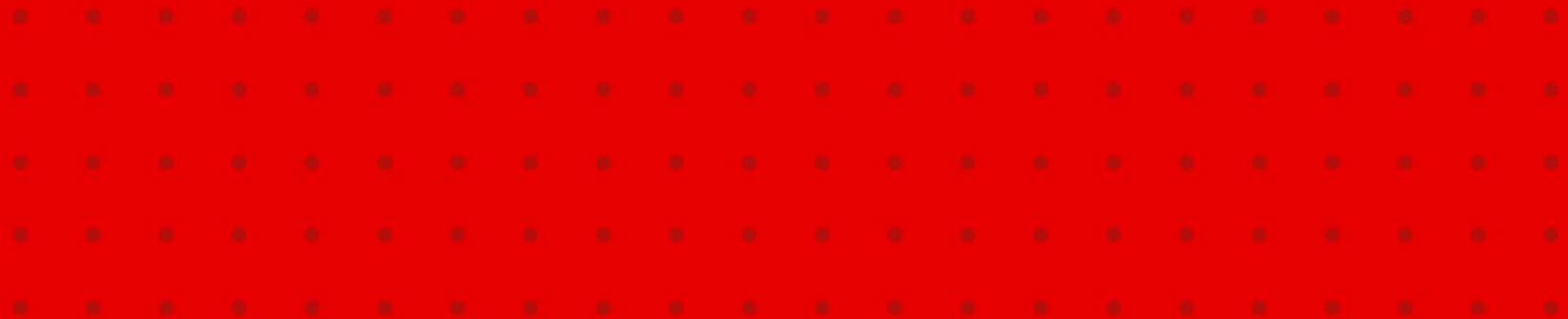
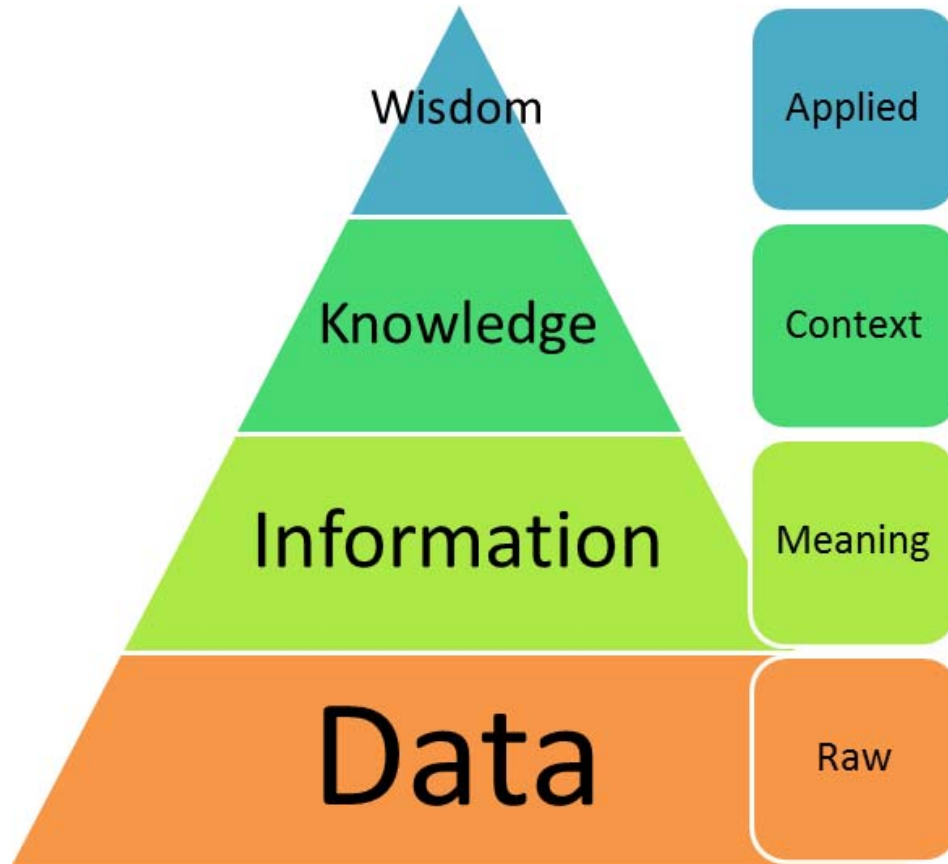


How to reuse INSPIRE by linking data through short URLs



What is INSPIRE built for?



To enable environmental management based on knowledge by providing geographic data and information.

• •

• **1) Update the spatial data model** •

• •

Pros:

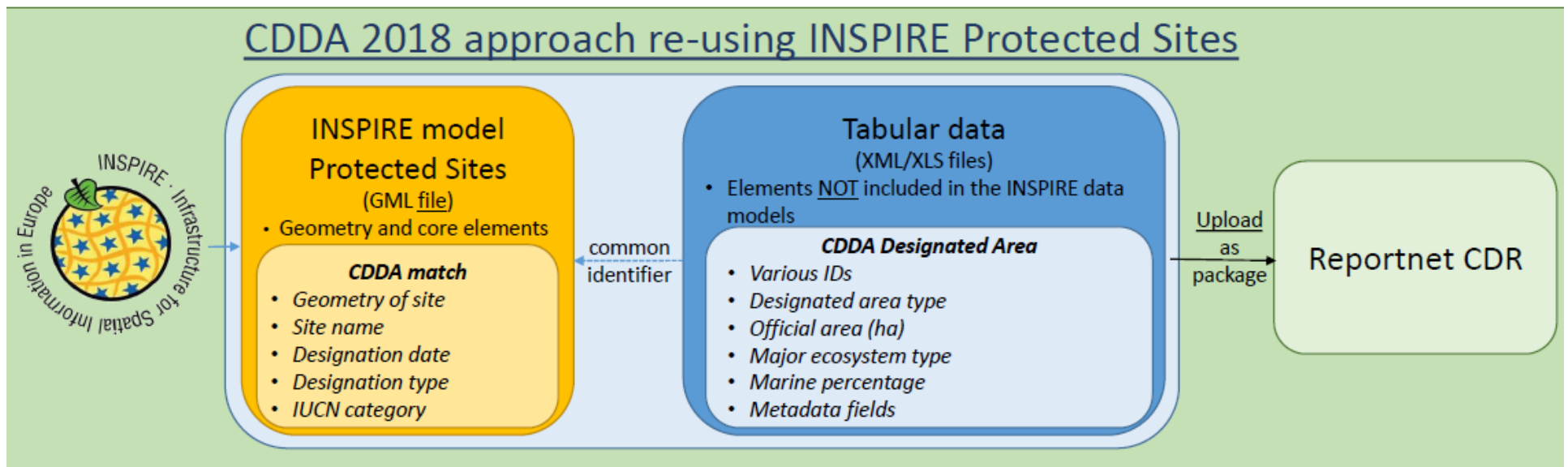
- ✓ Single data model to be used/maintained

Cons:

- Multiple updates drives to less use efficiency;
- Updates are difficult to implement – spatial data models are detailed in IRs.

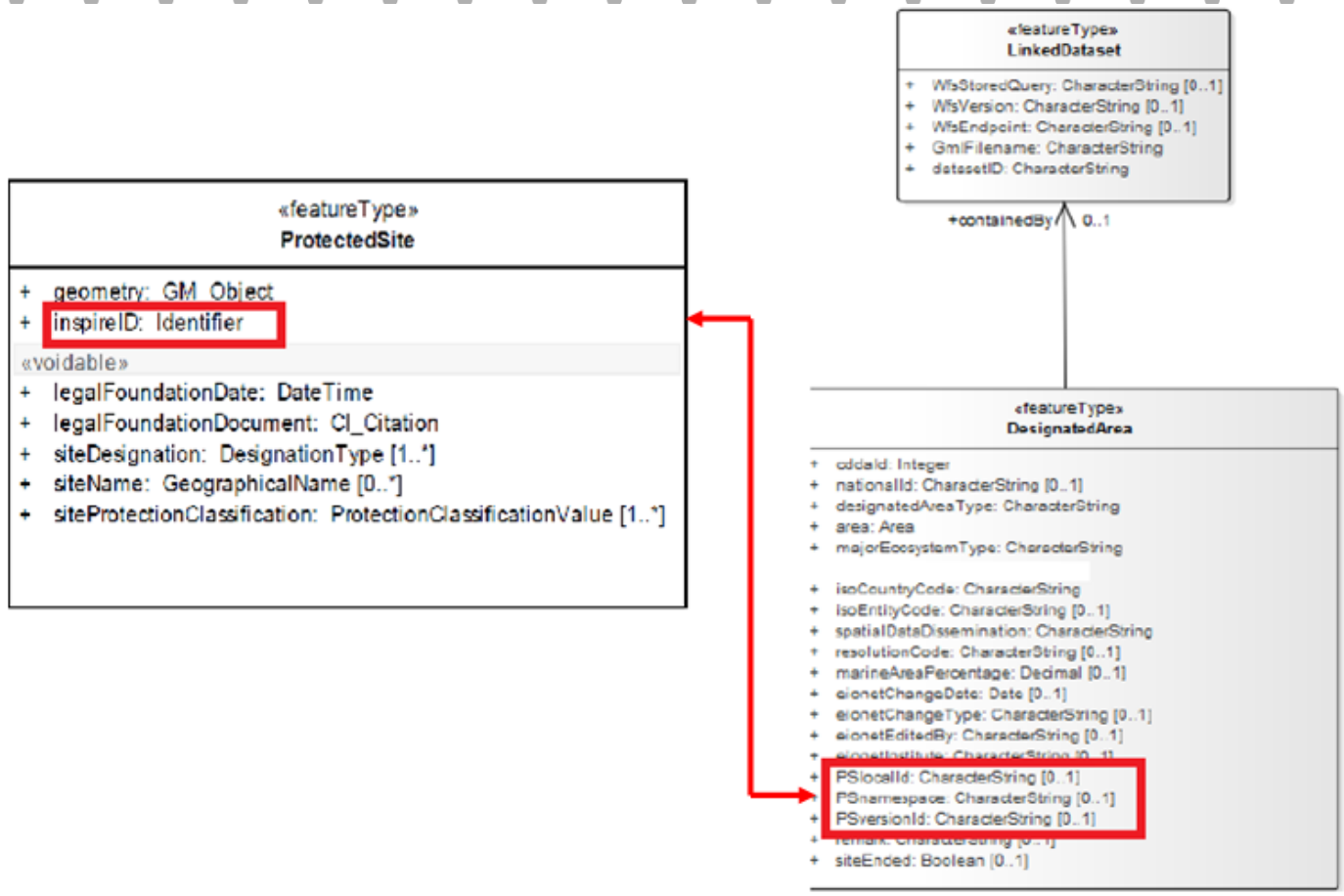


CDDA Reporting – The vision



Source: European Environment Agency

CDDA Reporting – The vision



CDDA reporting – multiple data models v.

```
+<element name="DesignatedArea" substitutionGroup="ps:ProtectedSite" type="cdda:DesignatedAreaType"/>
```

```
-<complexType name="DesignatedAreaType">  
  -<complexContent>  
    -<extension base="ps:ProtectedSiteType">  
      +<sequence></sequence>  
    </extension>  
  </complexContent>  
</complexType>
```

```
+<complexType name="DesignatedAreaPropertyType"/>
```

Improving the CDDA data model

```
1 <?xml version="1.0" ?>
2 <gml:FeatureCollection xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:
3 <gml:featureMember>
4 <cdda:DesignatedArea gml:id="RONPA0001">
5 <ps:geometry>
6 <gml:MultiSurface gml:id="_8675d3bf-abf7-456d-91ca-86a8f01639a0" srsName="EPSG:3035" srsDimension="2">
7 <gml:surfaceMember>
8 <gml:Polygon gml:id="_26a3c80e-7247-4850-8af4-d6a2084c145">
9 <gml:exterior>
10 <gml:LinearRing>
11 <gml:posList>5322499.339 2548501.7419000003 5322524.2237 2548505.6988999999 5322544.9114 2548514.638800
12 </gml:LinearRing>
13 </gml:exterior>
14 </gml:Polygon>
15 </gml:surfaceMember>
16 </gml:MultiSurface>
17 </ps:geometry>
18 <ps:inspireID>
19 <base:Identifier>
20 <base:localId>RONPA0001</base:localId>
21 <base:namespace>http://qmlid.eu/RO/ENV/PADS/PS/</base:namespace>
22 </base:Identifier>
23 </ps:inspireID>
24 <ps:legalFoundationDate xsi:nil="true"/>
25 <ps:legalFoundationDocument xsi:nil="true"/>
26 <ps:siteDesignation>
27 <ps:DesignationType>
28 <ps:designationScheme xlink:href="http://inspire.ec.europa.eu/codelist/IUCNDesignationValue/nationalPark"/></ps:
29 <ps:designation xlink:href="http://inspire.ec.europa.eu/codelist/DesignationSchemeValue/IUCN"/></ps:designation
30 <ps:percentageUnderDesignation>100</ps:percentageUnderDesignation>
31 </ps:DesignationType>
32 </ps:siteDesignation>
33 <ps:siteName>
34 <gn:GeographicalName>
35 <gn:language>rum</gn:language>
36 <gn:nativeness xsi:nil="true"/>
37 <gn:nameStatus xsi:nil="true"/>
38 <gn:sourceOfName xsi:nil="true"/>
39 <gn:pronunciation xsi:nil="true"/>
40 <gn:spelling>
41 <gn:SpellingOfName>
42 <gn:text>Parcul National Domogled - Valea Cernei</gn:text>
43 <gn:script>Latn</gn:script>
44 </gn:SpellingOfName>
45 </gn:spelling>
46 </gn:GeographicalName>
47 </ps:siteName>
48 <ps:siteProtectionClassification xsi:nil="true"/>
49 <cdda:cddaId>11175</cdda:cddaId>
```

```
2 <gml:FeatureCollection xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:
3 <gml:featureMember>
4 <cdda:LinkedDataset gml:id="LinkedDataset_1">
5 <cdda:datasetId>http://qmlid.eu/RO/ENV/PADS</cdda:datasetId>
6 <cdda:wfsEndpoint>http://qmlid.eu/RO/ENV/PADS/WFS?</cdda:wfsEndpoint:
7 <cdda:wfsVersion>2.0.0</cdda:wfsVersion>
8 <cdda:wfsStoredQuery>http://inspire.ec.europa.eu/operation/download/!
9 </cdda:LinkedDataset>
10 </gml:featureMember>
11 <gml:featureMember>
12 <cdda:DesignatedArea gml:id="_4be6ee40-318a-4632-be4d-750a2046bb50">
13 <cdda:cddaId>11175</cdda:cddaId>
14 <cdda:nationalId>B</cdda:nationalId>
15 <cdda:protectedAreaType xlink:href="http://dd.eionet.europa.eu/vocabu
16 <cdda:area uom="ha">61190.0</cdda:area>
17 <cdda:majorEcosystemType xlink:href="http://dd.eionet.europa.eu/vocal
18 <cdda:iucnCat xlink:href="http://dd.eionet.europa.eu/vocabularyconce
19 <cdda:isoCountryCode xlink:href="http://dd.eionet.europa.eu/vocabula
20 <cdda:isoEntityCode xlink:href="http://dd.eionet.europa.eu/vocabular
21 <cdda:coordinatesCode xlink:href="01"/></cdda:coordinatesCode>
22 <cdda:spatialDataAvailability xlink:href="http://dd.eionet.europa.eu
23 <cdda:spatialDataDissemination xlink:href="http://dd.eionet.europa.e
24 <cdda:dataDissemination xlink:href="http://dd.eionet.europa.eu/vocabu
25 <cdda:resolutionCode xlink:href="05"/></cdda:resolutionCode>
26 <cdda:marineAreaPercentage>0.0</cdda:marineAreaPercentage>
27 <cdda:inspireID>
28 <base:Identifier>
29 <base:localId>RONPA0001</base:localId>
30 <base:namespace>http://qmlid.eu/RO/ENV/PADS/PS/</base:namespace>
31 </base:Identifier>
32 </cdda:inspireID>
33 <cdda:containedBy xlink:href="#LinkedDataset_1"/></cdda:containedBy>
34 </cdda:DesignatedArea>
35 </gml:featureMember>
36 </gml:FeatureCollection>
```

CDDA reporting – data model versions

SERVICES REPORTNET TOOLS TOPICS (ETCS) ☆

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View schema set

Note
This schema set is deprecated. It is not valid anymore!

| | | |
|---------------------|----------|---------------------------------|
| Identifier | i | cdda |
| Registration status | i | Deprecated 11 Jul 2017 13:05:37 |
| Status changed | | 11 Jul 2017 13:05:32 |
| Name | i | CDDA |

Schemas and documents

| File name | Name |
|------------------------|---------------|
| CddaReporting_V3.0.xsd | CddaReporting |

CDDA reporting – current CDDA.xsd

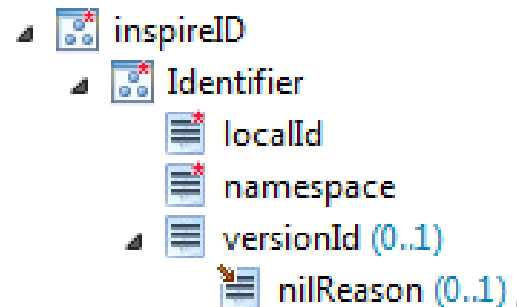
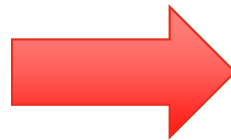
- Shouldn't we use GMLReferenceType for coveredBy element as well as
<import namespace="http://inspire.ec.europa.eu/schemas/base/3.3"
schemaLocation="http://inspire.ec.europa.eu/schemas/base/3.3/BaseTypes.
xsd"/> and declare inspireId of type base:identifier

```
<element name="inspireID" type="base:IdentifierPropertyType">  
  <annotation>  
    <documentation>-- Definition --  
  </annotation>  
</element>
```

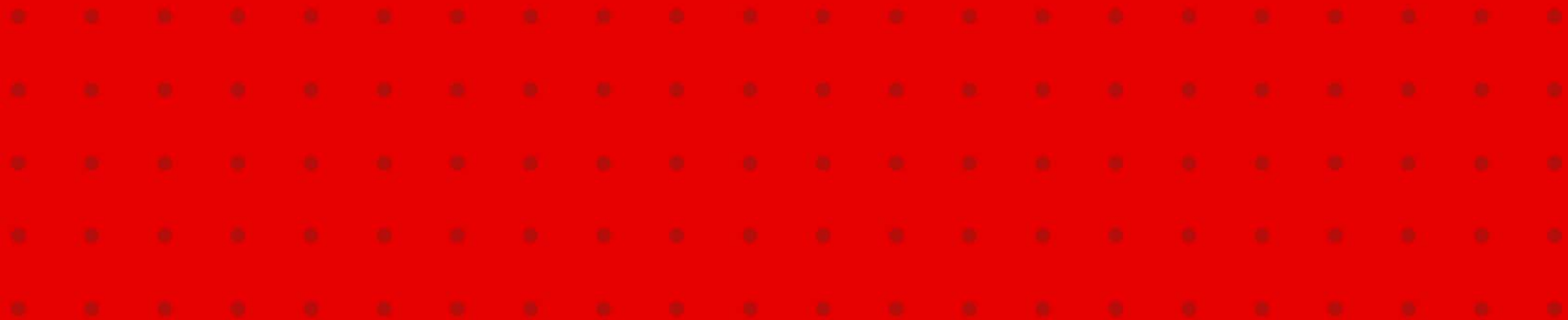
PSlocalId (0..1)

PSnamespace (0..1)

PSversionId (0..1)



Thank you!



any comments or questions?

GIS@TEAMNET.RO