

# CLUE

draft-presta-clue-data-model-  
schema-03

# Version updates

- “Unofficial” -02 version available at <http://www.grid.unina.it/Didattica/RetiDiCalcolatori/inf/draft-presta-clue-data-model-schema-02.html>
- -02 version
- “unofficial” -03 version available at <http://www.grid.unina.it/Didattica/RetiDiCalcolatori/inf/draft-presta-clue-data-model-schema-03.html>



# News (-03 version)

- Textual descriptions added
  - Source: draft-ietf-clue-framework-09
- New media capture attributes added
  - Source: draft-groves-clue-capture-attr-01
- Simultaneous set definition updated
- <captureEncoding> definition
- <sceneSpace> definition
- XML example updated



Consensus needed

# New media capture attributes

mediaCaptureType		
captureID	ID	
anyAttribute		
capturedMedia	string	
captureSceneIDREF	IDREF	
encGroupIDREF	IDREF	
spatialInformation	[1..*] spatialInformationType	
nonSpatiallyDefinible	boolean	
description	[0..*] (descriptionType)	
priority	[0..1] integer	
lang	[0..1] language	
content	[0..1] string	
switched	[0..1] boolean	
dynamic	[0..1] boolean	
composed	[0..1] boolean	
maxCaptureEncodings	[0..1] unsignedInt	
relatedTo	[0..1] IDREF	
any	[0..*]	

spatialInformationType		
anyAttribute		
capturePoint	capturePointType	
captureArea	[0..1] captureAreaType	
any	[0..*]	

(descriptionType)	
lang	language

- <lang>
- <priority>
- <relatedTo>
- <dynamic>
- <description>

# New media capture attribute: <lang>

- an optional element containing the language used in the capture, if any
- Examples:
  - “en” for the audio capture produced by an english speaker
  - “sla” for a video capture containing gestures of a sign language alphabet
- Cfr "language" attribute in draft-groves-clue-capture-attr-01

# New media capture attribute: <priority>

- an optional integer field indicating the importance of a media capture according to the media provider's perspective
- used on the receiver's side to automatically identify the most "important" contribution made available by the media provider
- Cfr “priority” attribute in draft-groves-clue-capture-attr-01

# New media capture attribute: <relatedTo>

- optional IDREF element containing the identifier of the main media capture it refers to
- It can support scenarios where different translations of a main capture are available
- Example:
  - The main audio capture (id=AC0) is in English, but there is an Italian translation available. The Italian audio capture will have a <relatedTo> field containing the AC0 identifier
- Cfr “supplementary information” attribute in draft-groves-clue-capture-attr-01

# New media capture attribute: <dynamic>

- optional boolean element indicating whether or not the capture device is moving during the telepresence session
  - Different from <switched>, indicating that the capture device can switch during the telepresence session
- Cfr “dynamic” attribute in draft-groves-clue-capture-attr-01



# New definition of <description>

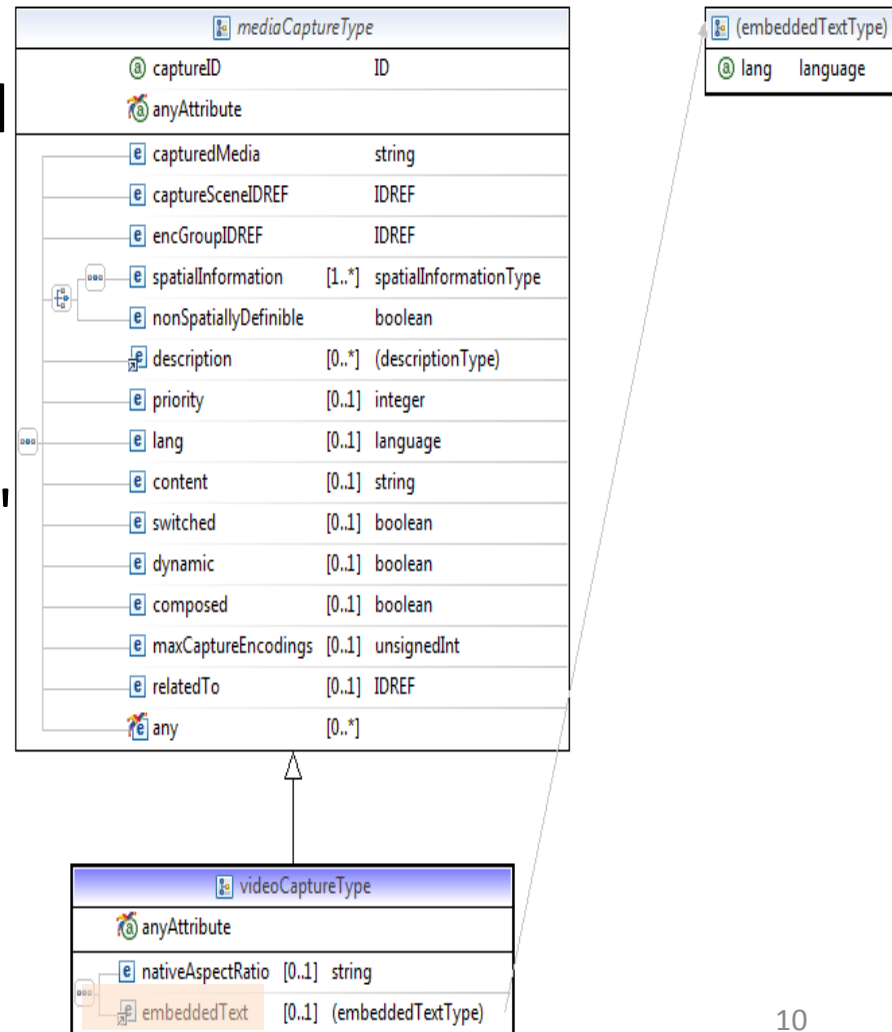
- Provides optional human-readable textual information
- Used in <mediaCapture>, <captureScene> and <sceneEntry>.
- <description> is a string element with an attribute ("lang") indicating the language used in the textual description
- A media capture can be described by using multiple <description> elements, each one providing information in a different language.

- **Example:**

```
<mediaCapture xsi:type="audioCaptureType" captureID="AC1">
  <capturedMedia>audio</capturedMedia>
  ...
  <description lang="en">presentation audio</description>
  <description lang="it">audio della presentazione</description>
  ...
</mediaCapture>
```

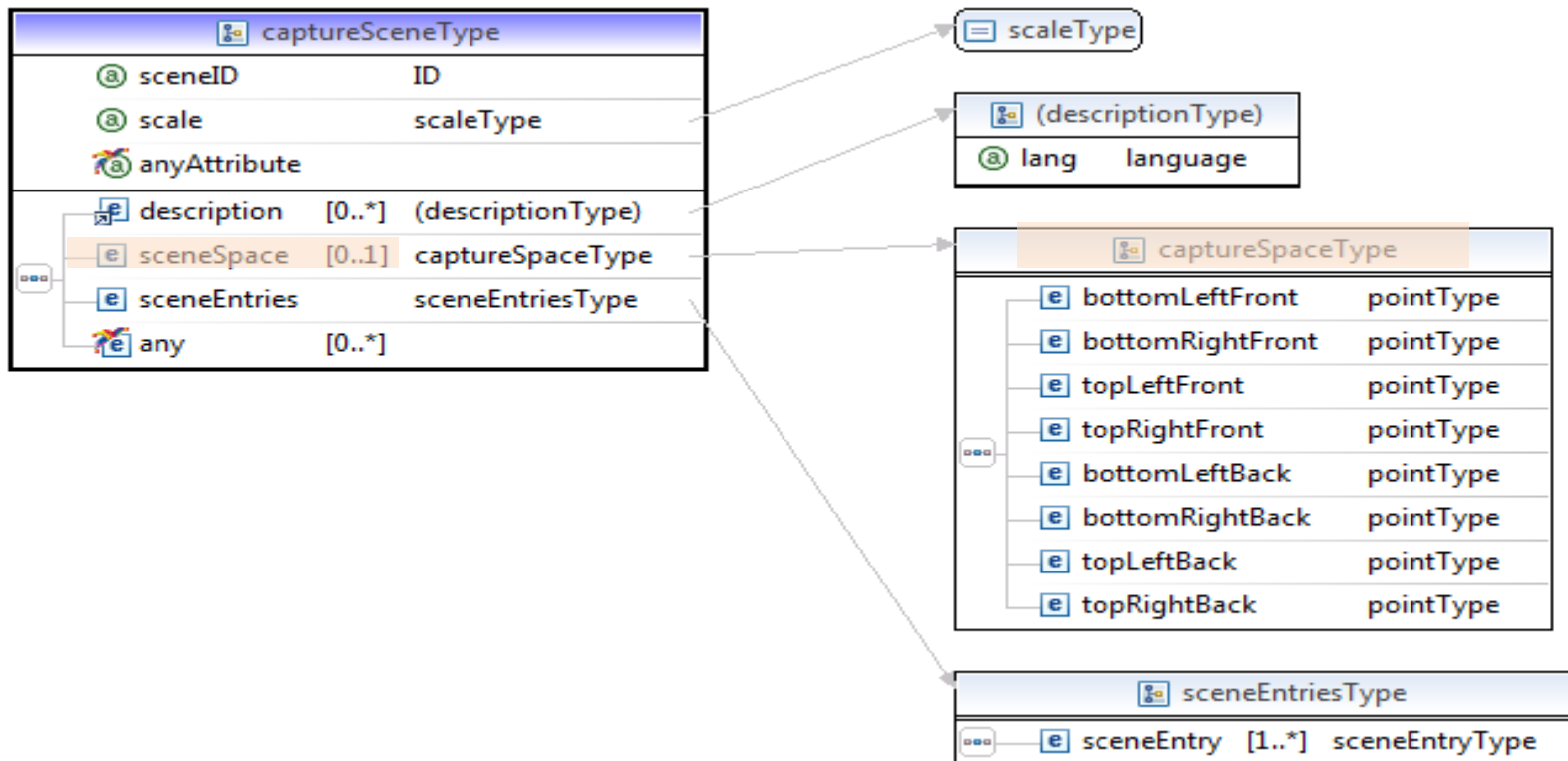
# New video capture attribute: <embeddedText>

- boolean element indicating that there is text embedded in the video capture
- The language used in such embedded textual description is reported in the <embeddedText> "lang" attribute
- Cfr “embeddedText” attribute in draft-groves-clue-capture-attr-01



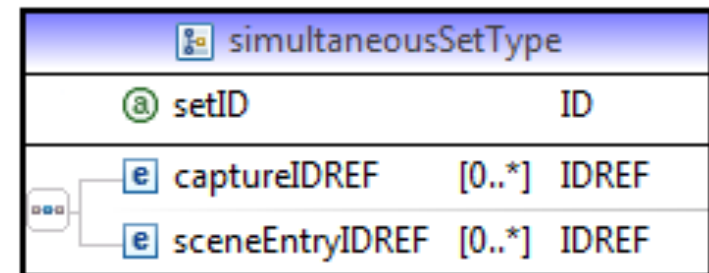
# <sceneSpace>

- Was: <sceneArea>
- Describes a bounding volume for the space of a capture scene as an arbitrary hexahedron with eight points (placeholder solution)



# <simultaneousSet>

- a list of captures of the same type that can be transmitted at the same time by a media provider
- Proposal: using also capture scene entry identifiers within simultaneous sets
  - Capture scene entry contains media captures of the same type that can be sent simultaneously



# <captureEncoding>

- the association of a media capture with an individual encoding, to form a capture encoding, as defined in the framework

