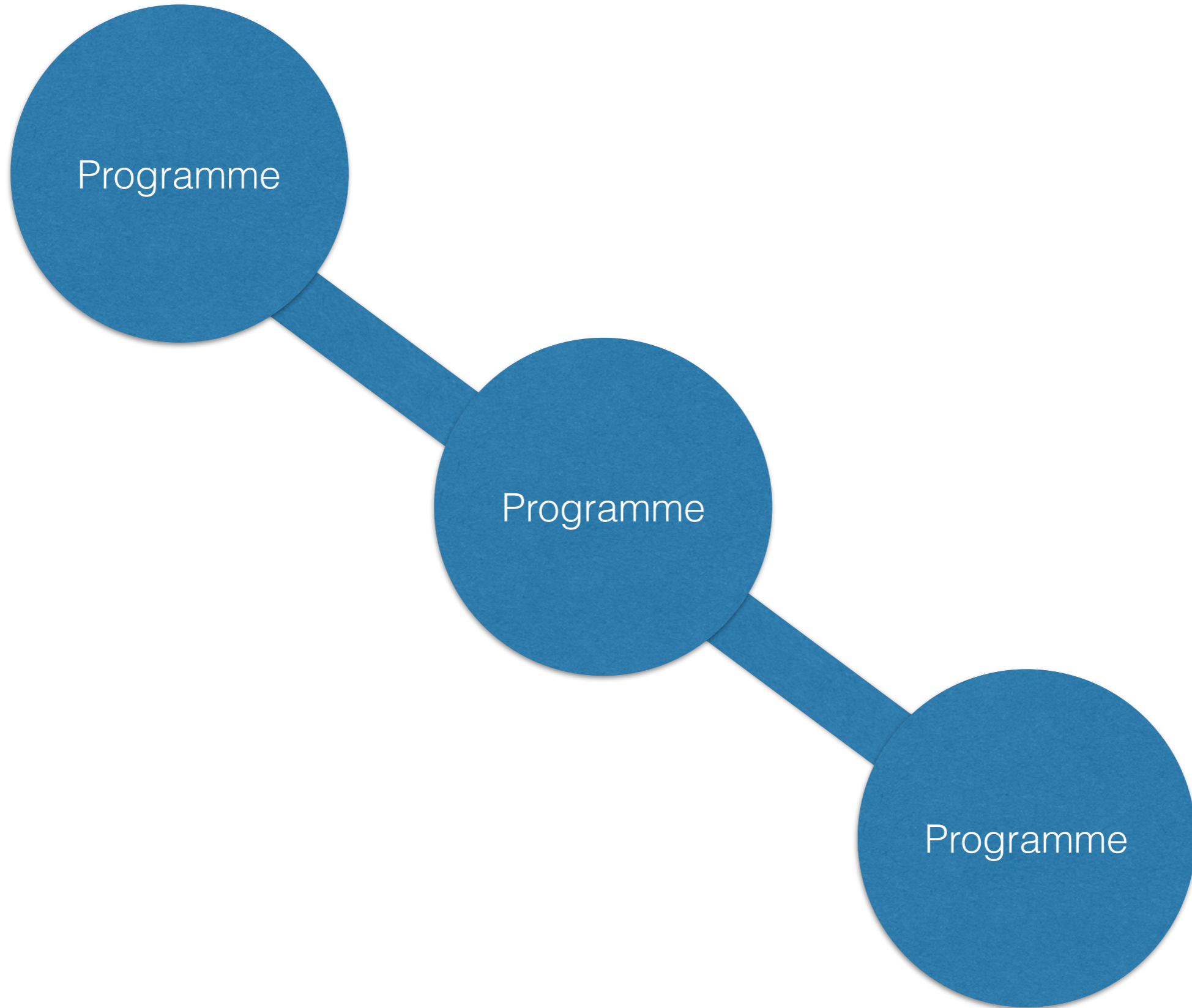


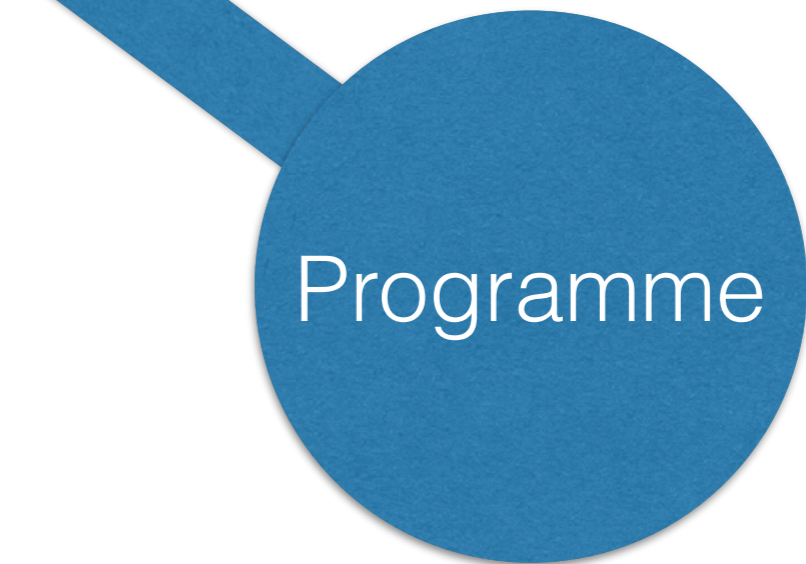
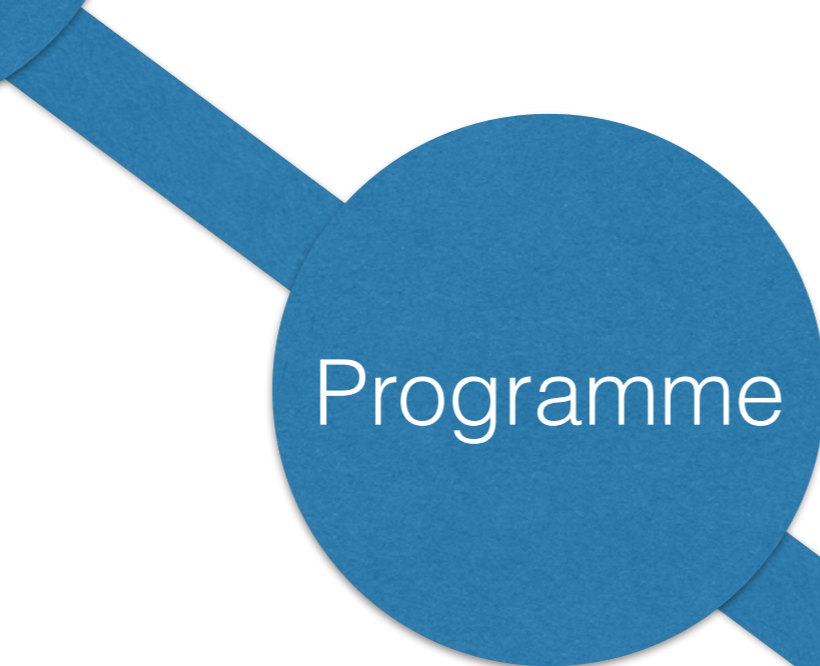
NorDig EPG EBU Core 1.6

Tormod Værvågen, Systems architect NRK
Chair MIM-MM EBU

<https://tech.ebu.ch/groups/pmag>

<https://tech.ebu.ch/publications/tech3351>





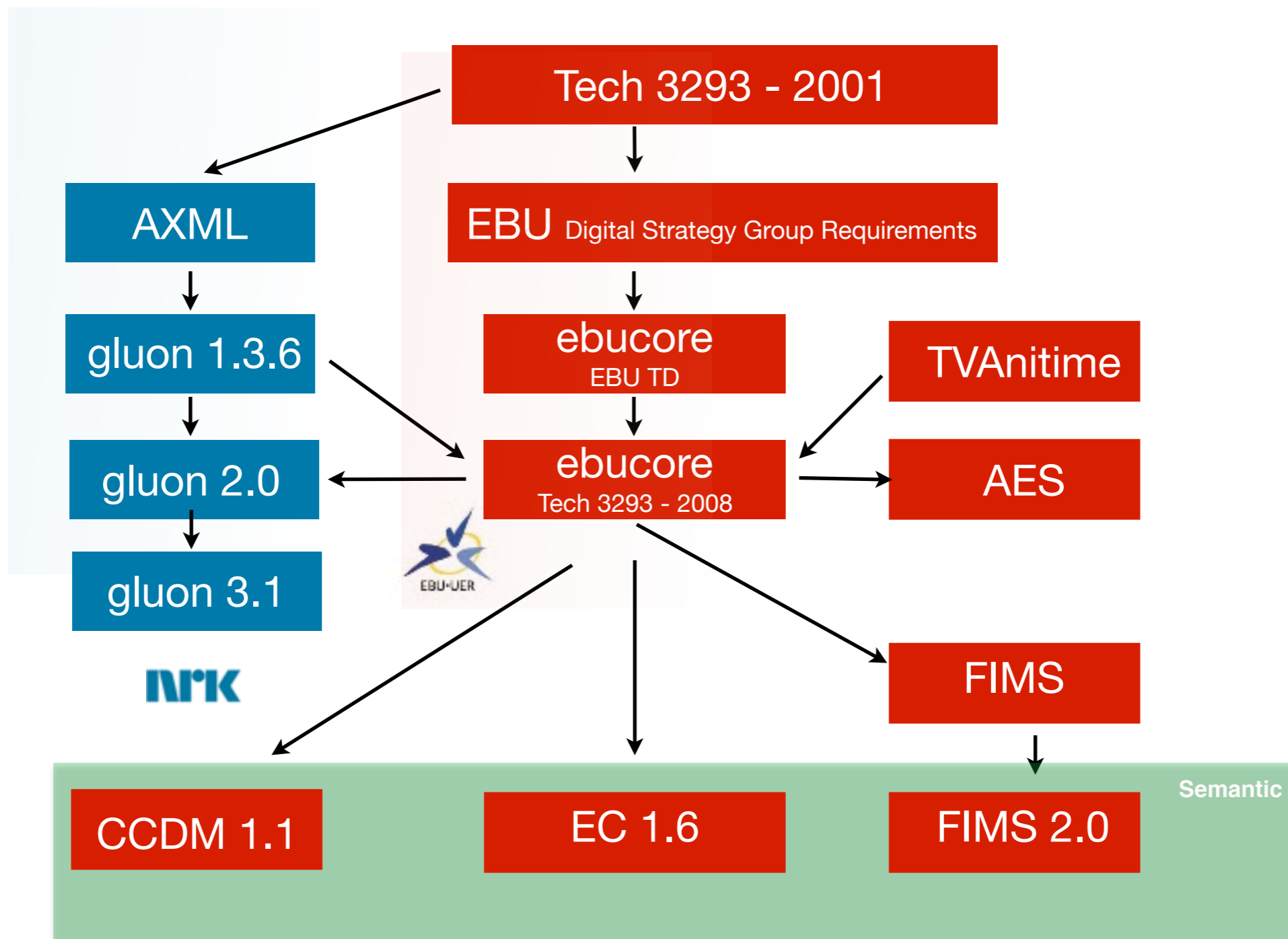
```
<ebucore:coreMetadata>
  <ebucore:title>
    <dc:title>Some stuff</dc:title>
  </ebucore:title>
  <ebucore:part>
    <dc:title>Some detail</dc:title>
  </ebucore:part>
  <ebucore:part>
    <dc:title>One more thing</dc:title>
  </ebucore:part>
</ebucore:coreMetadata>
```

Programme

Programme description

Time information

Programme



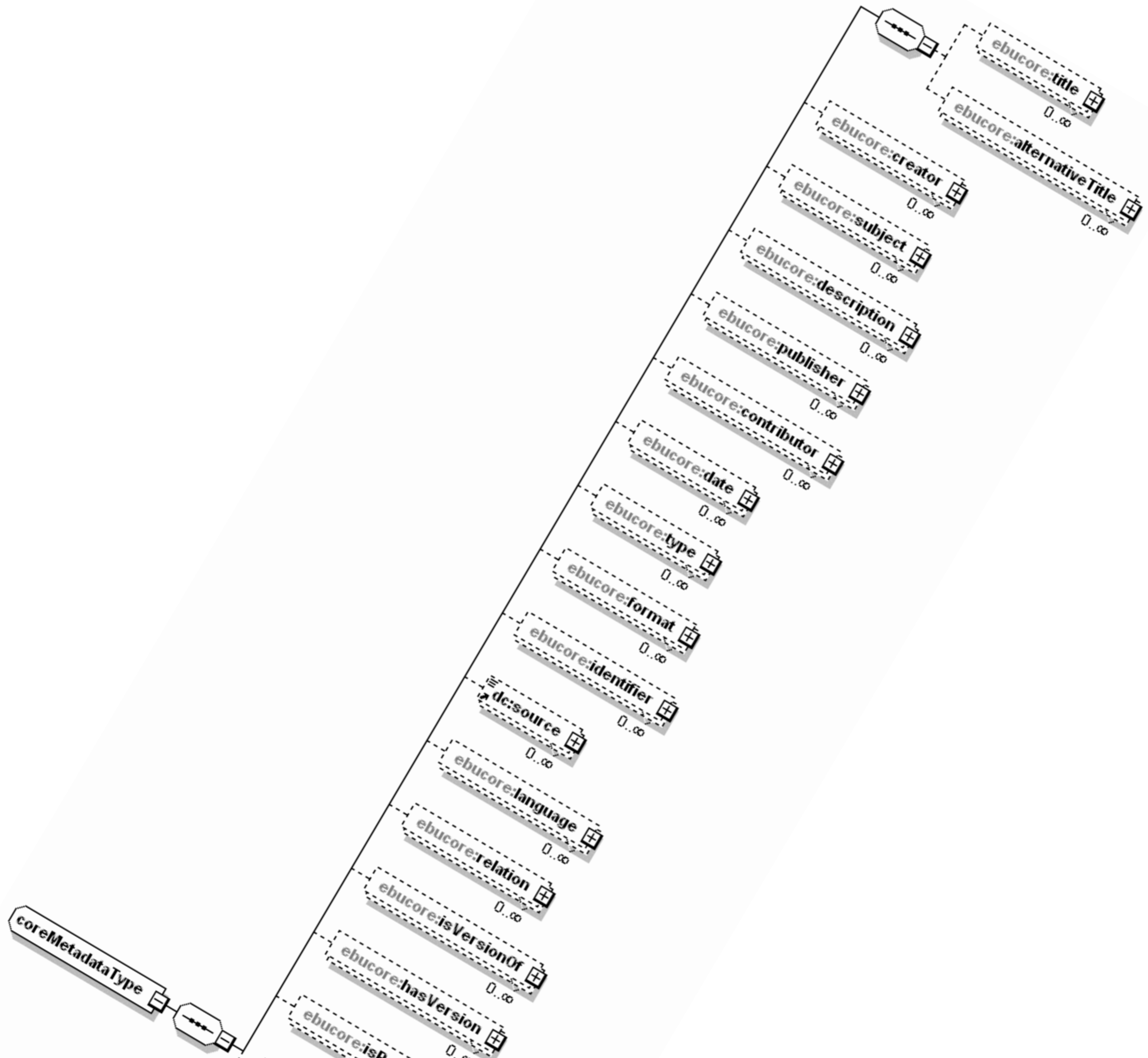
EBUCore

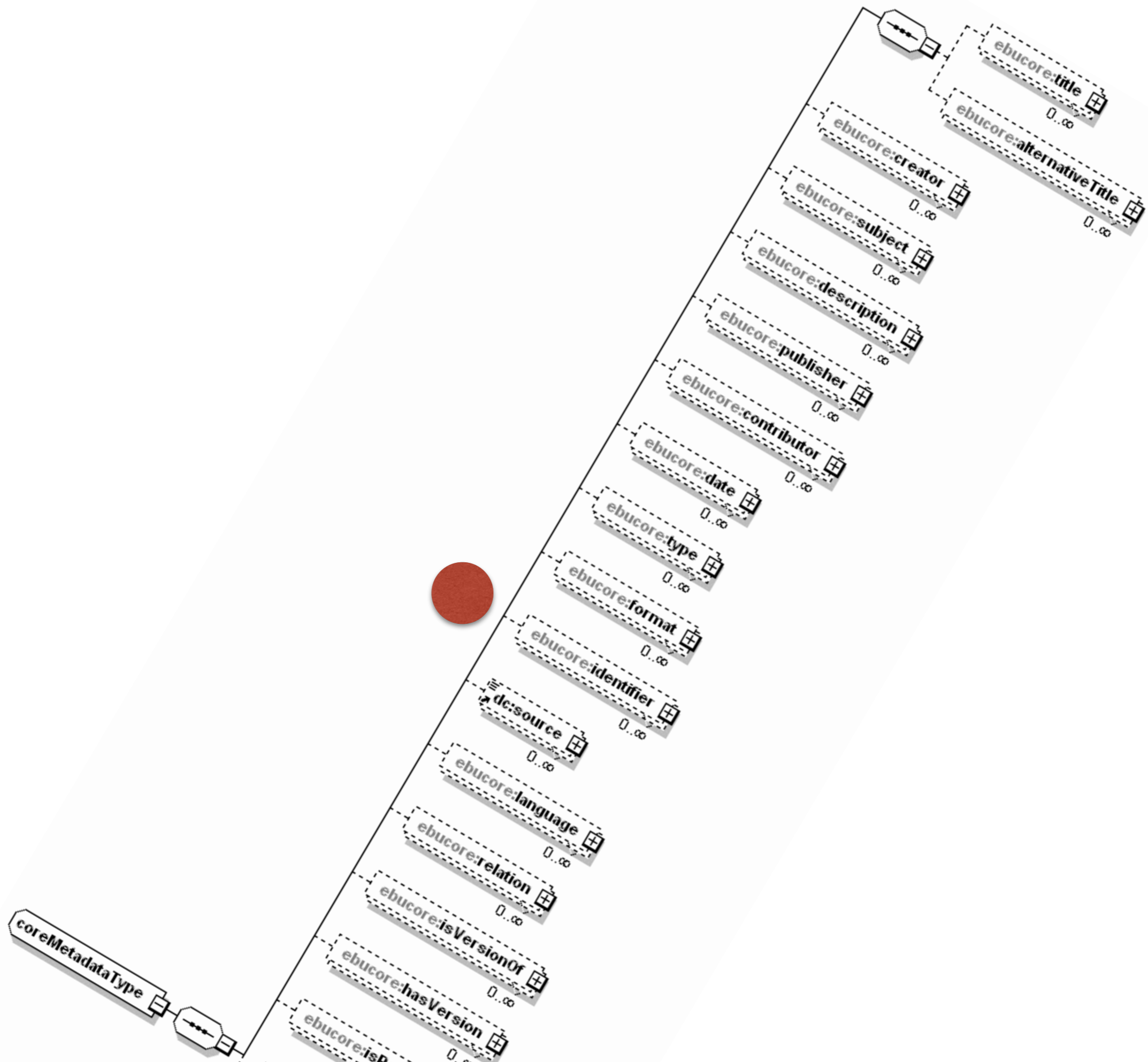
- Based on Dublin Core
- XML, JSON or RDF
- Framework for content description
- Good support technical metadata
- Support for the new audio model

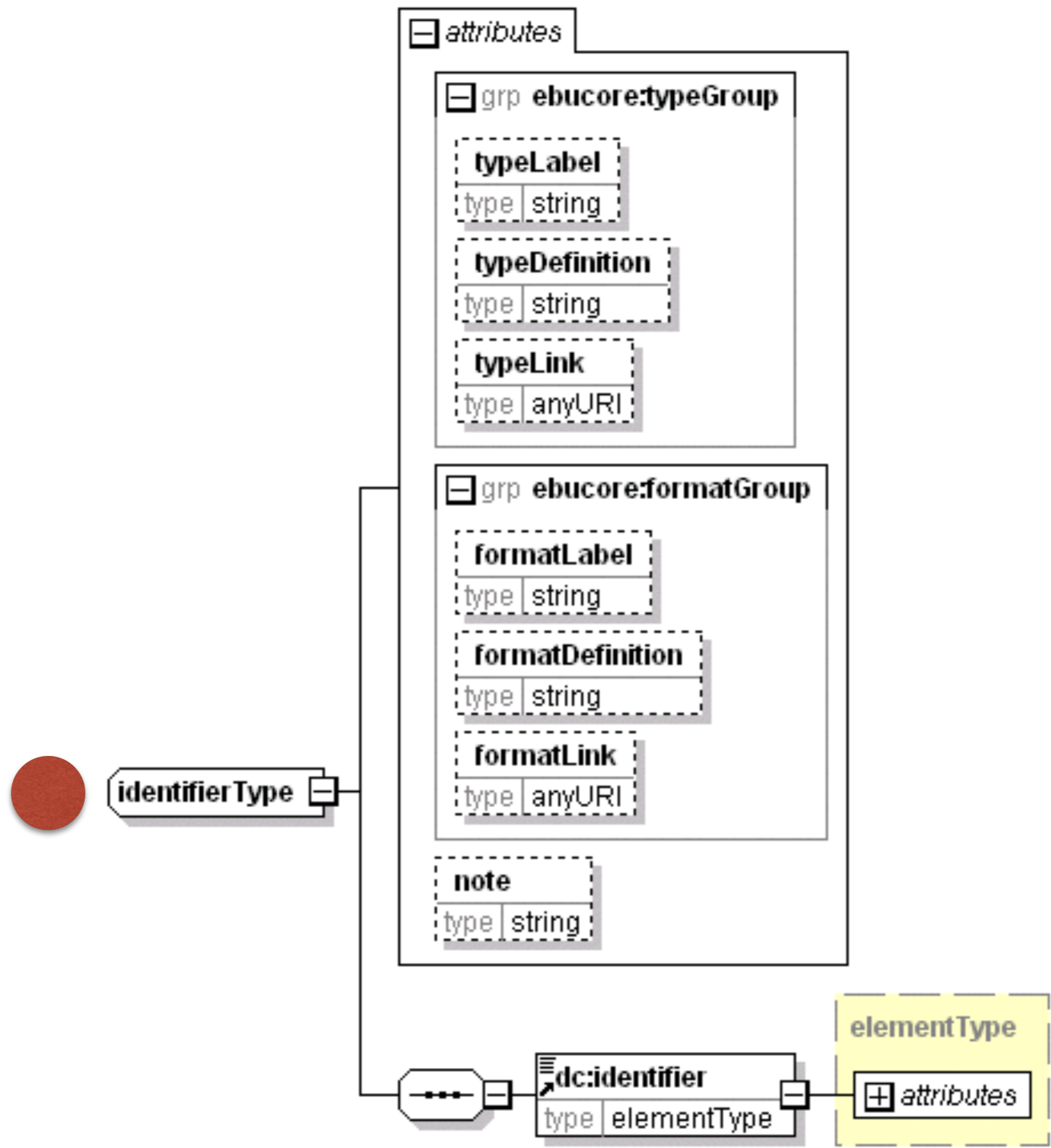
EBUCore

- Based on Dublin Core
- XML, JSON or RDF
- Framework for content description
- Good support technical metadata
- Support for the new audio model









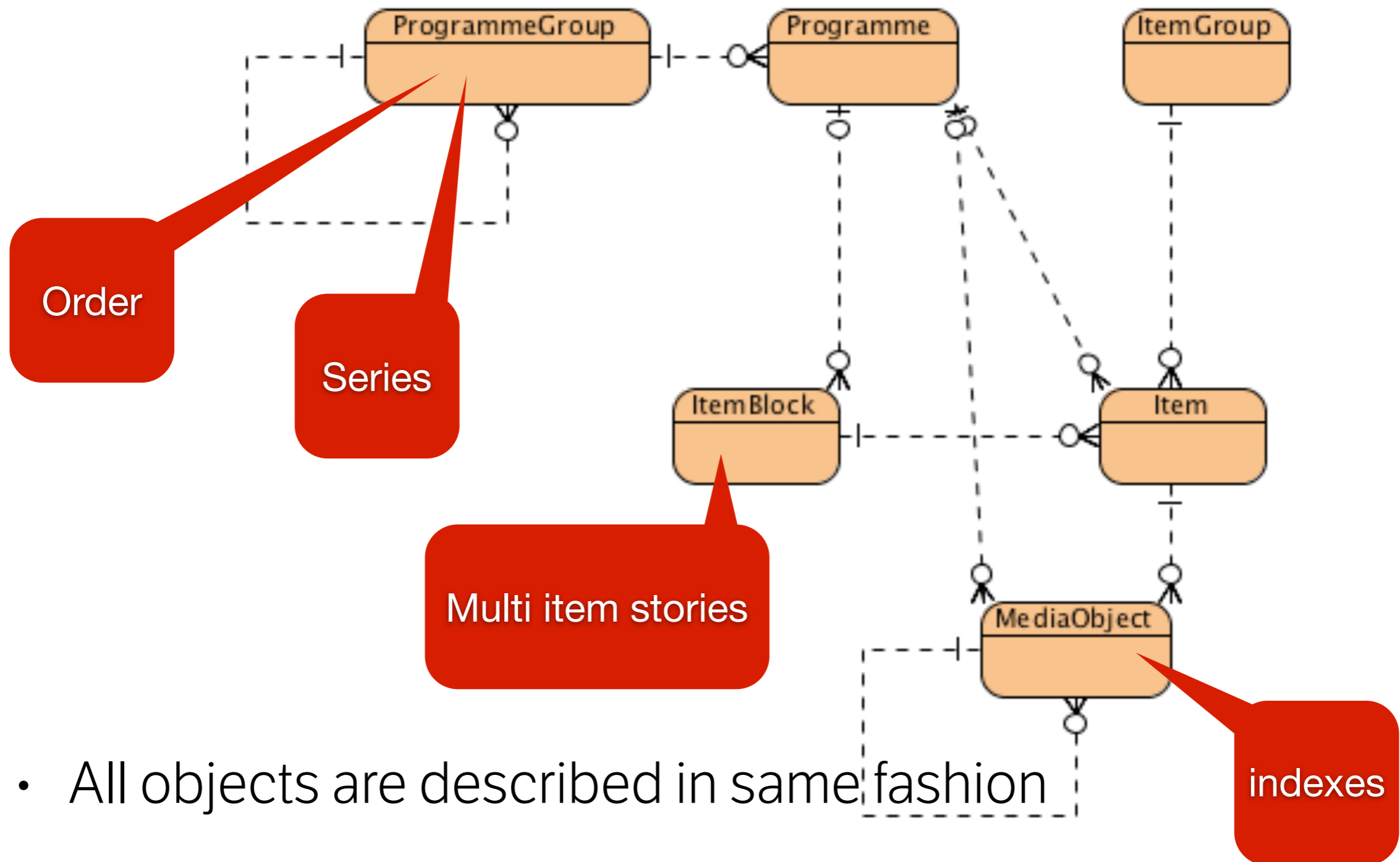
```

<creator>
<contactDetails contactId="ID of contact from some MAM system,">
  <givenName>Tormod</givenName>
  <familyName>Værvågen</familyName>
  <details>
    <emailAddress>someone@somwere.fi</emailAddress>
    <address>
      <addressLine>Name of street</addressLine>
      <addressTownCity>Málaga</addressTownCity>
      <addressDeliveryCode>post code</addressDeliveryCode>
      <country typeLink="esp">
        <!--A dictionnary must be provided for proper valueLink-->
      </country>
    </address>
    <mobileTelephoneNumber>+5612345</mobileTelephoneNumber>
  </details>
</contactDetails>
<role typeLink="http://gluon.nrk.no/nrkRoller.xml#V95"/>
</creator>

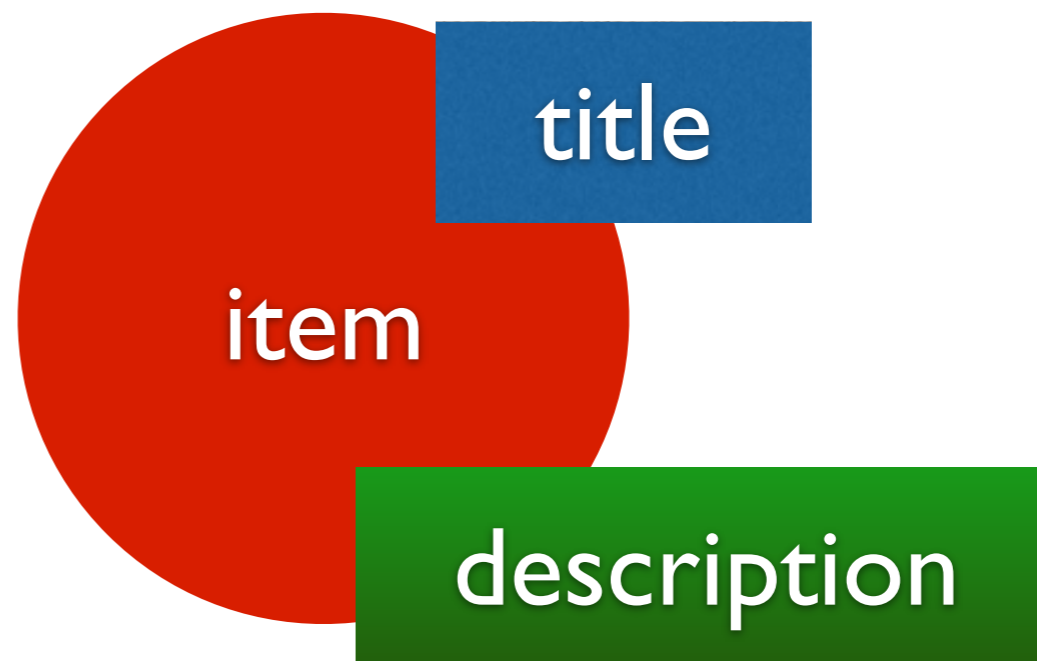
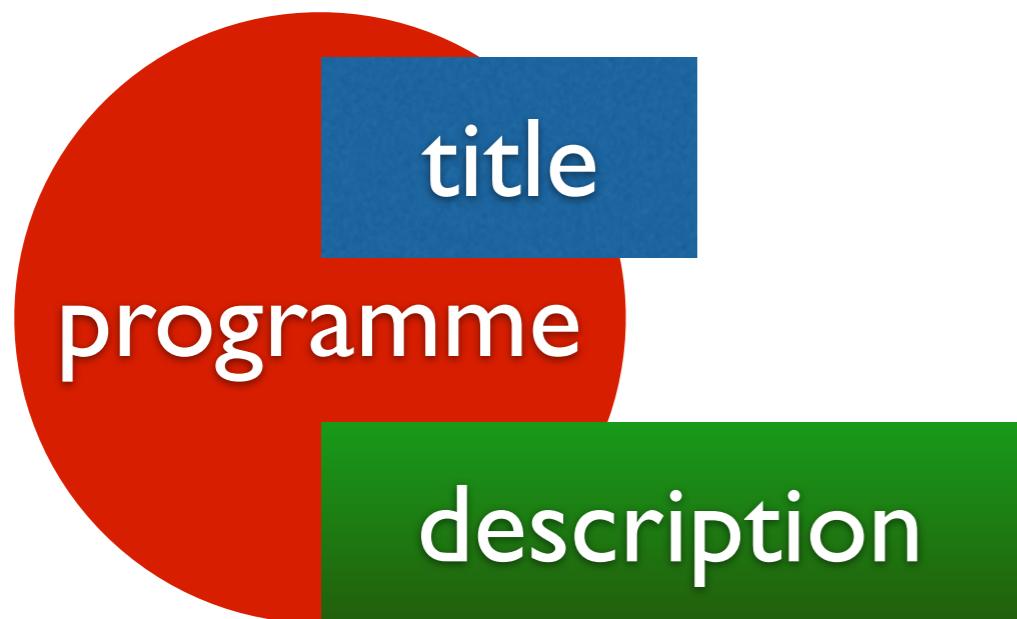
```

Strict framework

- One data field equals one data attribute
- Clear definition of how to repeat elements to form lists



- All objects are described in same fashion
- Recursive
- Sub levels for details



creator

contributor

publisher

- @entityId

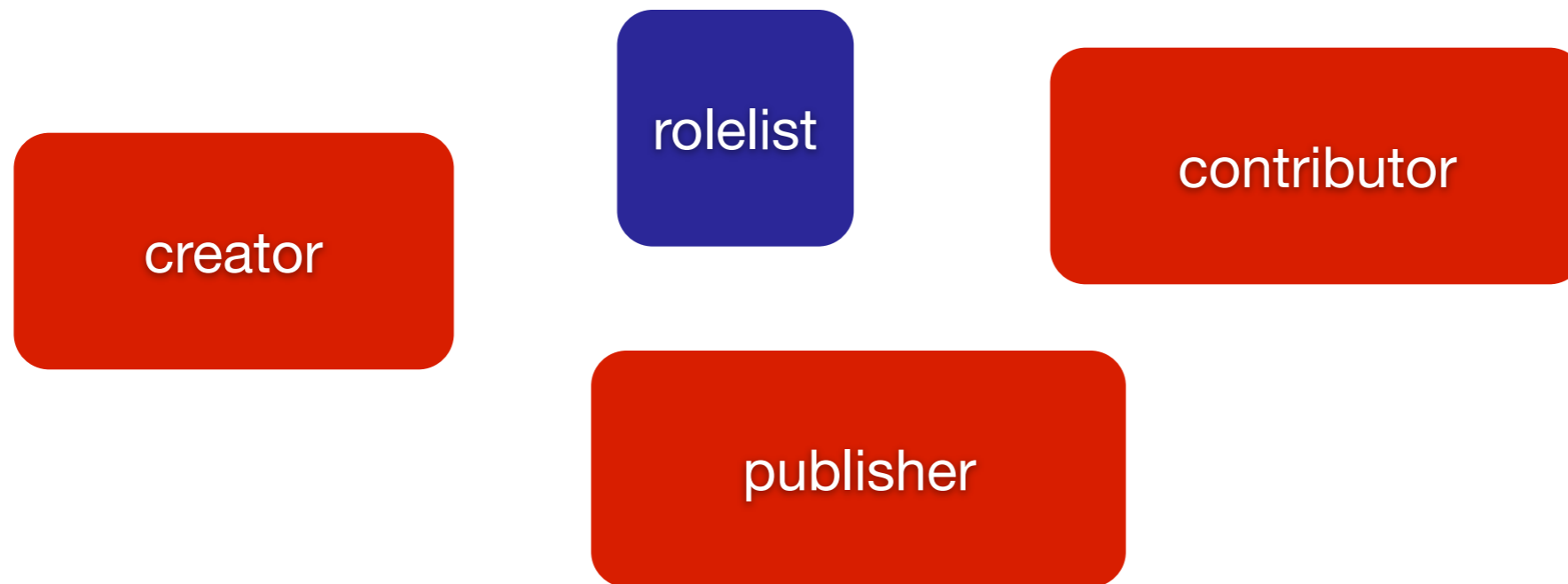
- contactDetails

- name or givenName/familyName
- other contact info

- organisationDetails

- role

- for organisations:
- name or givenName/familyName
- other contact info



- @entityId

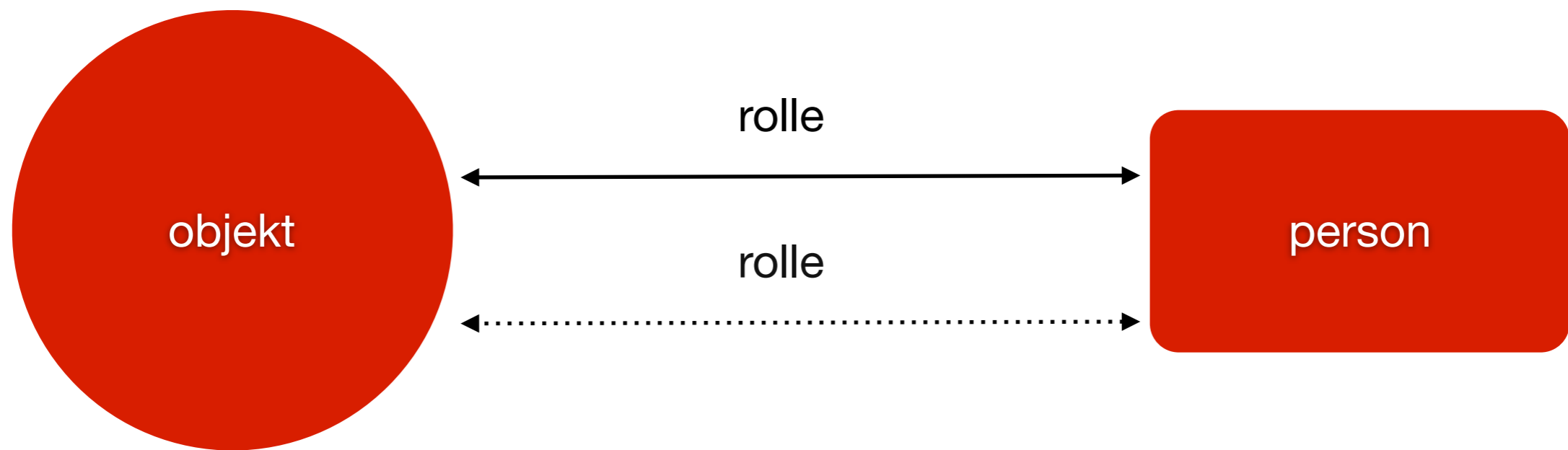
- contactDetails

- organisationDetails

- role

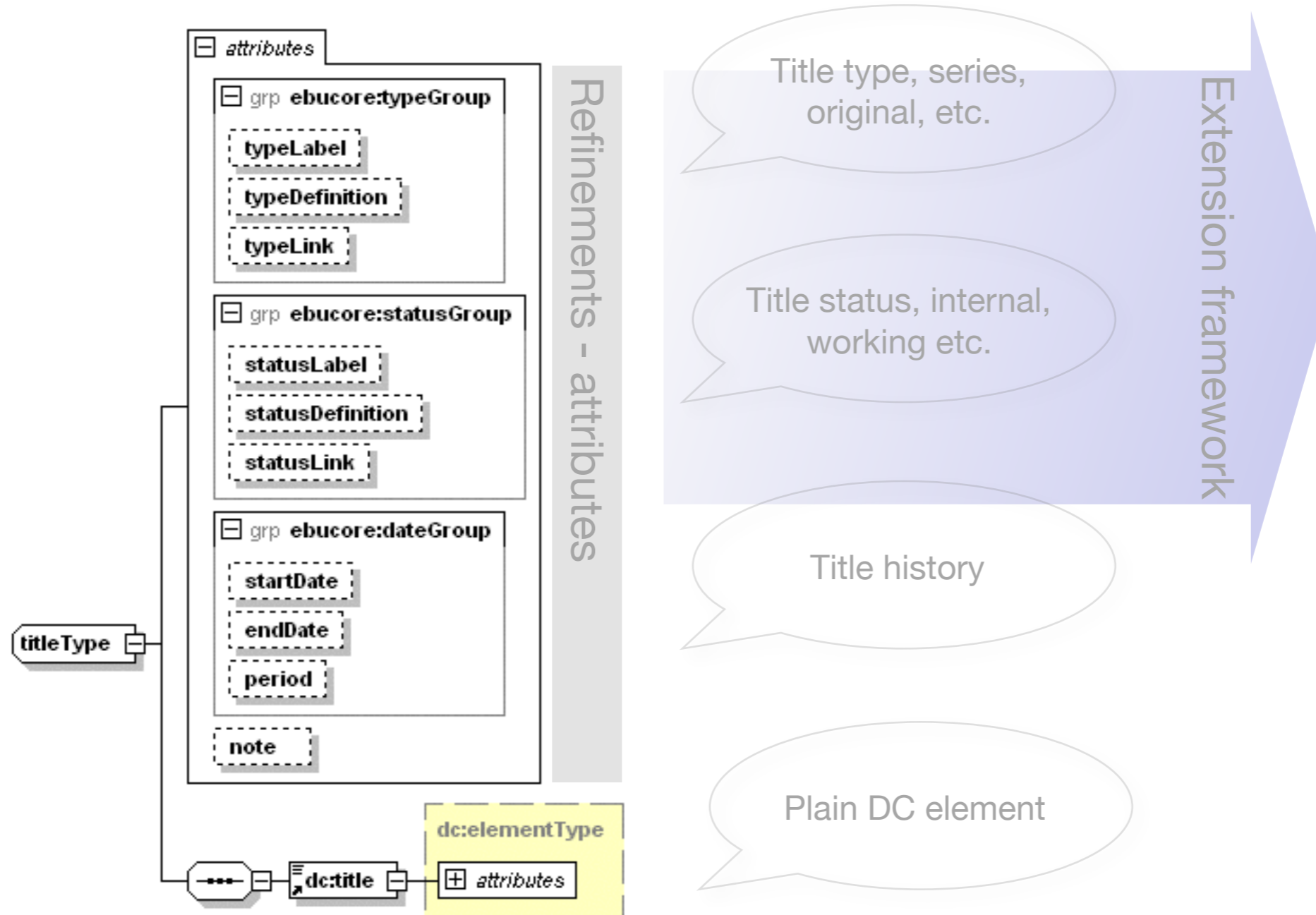
- name or givenName/familyName
- other contact info

- for organisations:
- name or givenName/familyName
- other contact info



- A person may have different roles in different instances of the object
- May have more than one role
- Defined in one or more rolelist(s)
- <http://gluon.nrk.no/nrkRoller.xml#id>

Extending the standard



Innhold

Beskrivende metadata

Datoer

Faktiske mediametaddata

Identifisering

Identitetsbegreper

Innholdsstatuser

Relasjoner

Titler

Typer av indexeringspunkt

Titler

Albumtittel (albumTitle) definedTerm
Tittel på utgivelse av musikkproduksjoner

Arbeidstittel (workingTitle) definedTerm
Objektets foreløpige tittel

Flatetittel (xflateTitle) definedTerm
Tittel på en sendeflate
Referanse: [Programgruppe](#)

Førstelinje (firstLine) definedTerm
Første tekstlinje i litterært verk

Hovedtittel (mainTitle) recommendedUse
Beskriver objektets endelige navn
Referanse: [Tittel](#)

Merkevarettittel (brandTitle) definedTerm
Tittel på konsept eller idé, mye brukt ved kjøp og salg av programkonsepter

Originaltittel (originalTitle) definedTerm
Objektets opprinnelige tittel ved ferdigstilling, som oftest i et annet språk

Populær tittel (popularTitle) definedTerm
Alternativ tittel, ofte mere kjent enn den formelle tittelen

Refreng (refrain) definedTerm
Gjentakende vers i en sang

Sakstittel (eventSeriesTitle) recommendedUse
Samletittel på en sak som utvikler seg over tid

Saksunivers (eventSeriesUniverse) definedTerm
Samletittel på en sak som utvikler seg over tid
Referanse: [Sakstittel](#)

Sendetittel (publishingTitle) definedTerm
Beskriver alternativ tittel brukt for sending eller publisering av objekt

```
<coreMetadata>
  <title>
    <dc:title>MyProgrammeSeries</dc:title>
  </title>
  <type>
    <objectType typeLink="http://gluon.nrk.no/dataordbok.xml#programmeGroup"/>
  </type>
  <identifier typeLink="http://gluon.nrk.no/dataordbok.xml#upid">
    <dc:identifier>http://nrk.no/pb/serieID</dc:identifier>
  </identifier>
```

- Link to dictionaries and lists with URL.
- For better understanding, should be resolvable

Nordif3



Páttur

Program

Episod

Tuoteosa

Program

The Nordic cooperation

Nordvision



- 5 countries
- Sweden, Denmark, Iceland, Finland & Norway
- Main office (Copenhagen, DR)
- Co-produce, **exchange** programs and know-how
- Covering around 25 mill people

The Nordic cooperation

Nordvision



- Exchanging around 4000 long format programs every year.
- 25 news item every day
- All types of program; Drama, children's program, factual, news, archive material etc.
- Screenings of programs 3 times a year.

Nordif 3 project



5

broadcasters (DR, SVT, RUV, YLE & NRK)

project managers

different procurement departments

law offices

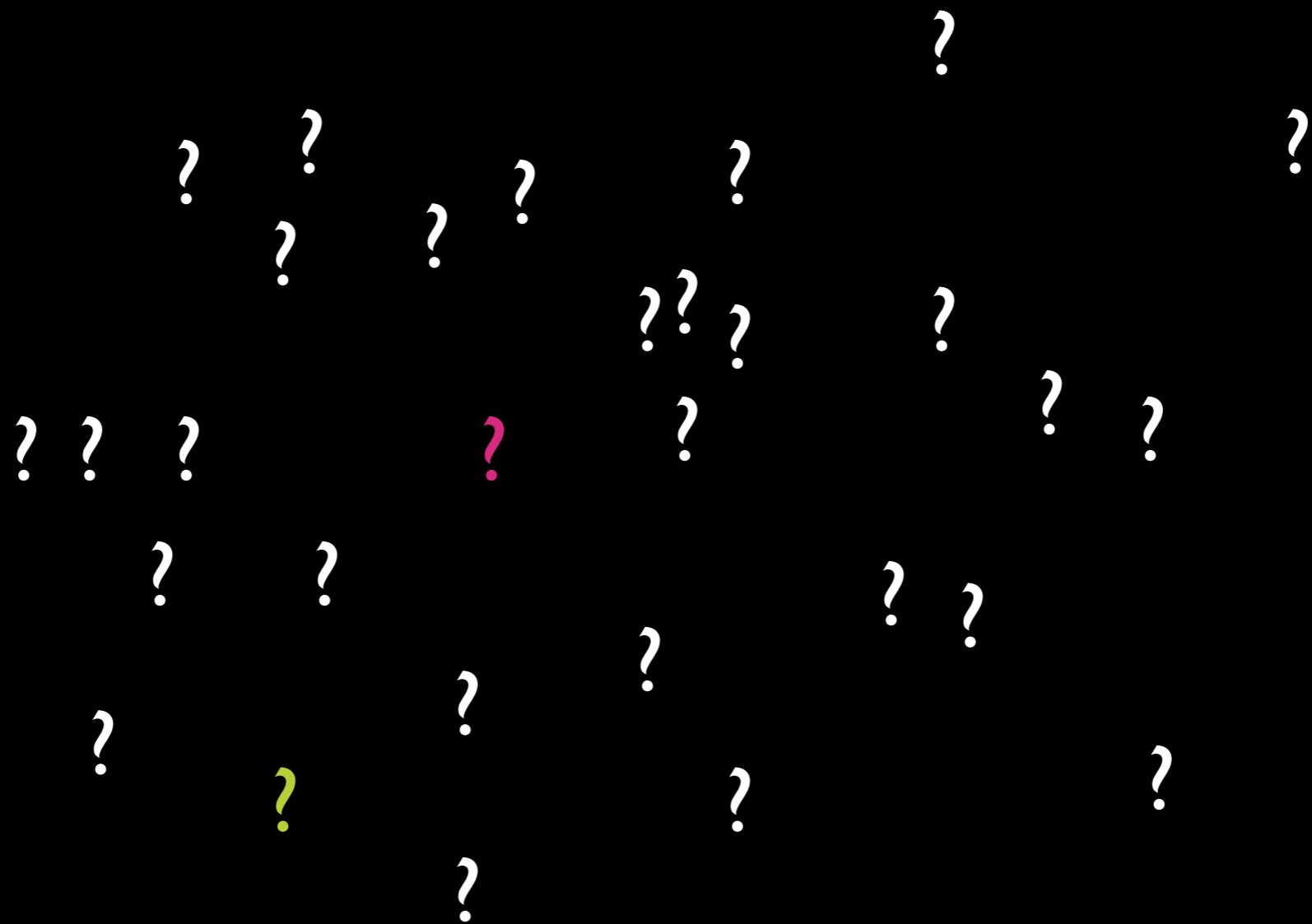
technical departments

archive department

languages

in-house cultures

Nordif 3 project



Nordif 3 project



Nordif 3 project



10 members in the steering committee,
two from each country

NRK made responsible for:

- Tender process
- Main project manager
- Ownership
- Installation
- Support & maintenance
- Rollout
- Training
- Help with integration

Nordif 3 project



Despite the complexity the
New nordic exchange has
been a success

Nordif 3 project



Video player interface showing a scene with a person on a boat and a horse. The NRK logo is visible in the bottom right of the video frame.

Progress bar: / 00:03:41:13

Level 0

DVNR08003514AA - Øyeblikk fra Norge Rundt (35:100 @ Øyeblikk fra Norge Rundt)

Table | Time line | All the descendants --

Level	Level code	Name
0	0	

Tarsys WebClient

DVNR08003514AA : Øyeblikk fra Norge Rundt (35:100 @ Øyeblikk fra Norge Rundt)

Catalogation category: Video/Long-format

Go to section: CONTRIBUTOR LIST

TITLES

Programme Series Title:

Programme Title: Norge Rundt - BAMSEVERKSTED

IDENTIFIER

Episode Number:

Unique Identifier: DVNR08003514AA

LANGUAGES

Language: Norwegian

DESCRIPTION

Programme Broadcast Company: NRK

Save Save & Close Close

Nordif 3 project



- Out of the shelf **centralized** solution
- Advanced metadata model (based on **EBUCore**)
- Integration to **5** different MAM systems
- Supporting all of the video format used by the broadcasters
- UDP based transport protocol

EBUCore XML

Páttur

Program

Tuoteosa

Episod

Program

EBUCore XML

Standard

Dictionaries

Dictionaries

```
<term id="object" status="active" note="true">
  <word xml:lang="nb">Objekt</word>
  <word xml:lang="en">Object</word>
  <word xml:lang="da">Objekt</word>
  <word xml:lang="fi">Tuoteosa</word>
  <word xml:lang="is">Gagn</word>
  <word xml:lang="sv">Objekt</word>
  <definition xml:lang="nb">Manifestasjon av idé som omhandles</definition>
  <definition xml:lang="en">Expression of the concept in question</definition>
  <definition xml:lang="da">Representationen af det pågældende koncept</definition>
  <definition xml:lang="fi">Tuotteen osa. Voi olla ohjelma, sivusto/palvelu ...</definition>
  <definition xml:lang="is">Framsetning á hugmynd. Á lagamáli er talað um gagn.</definition>
  <definition xml:lang="sv">Manifestation av ett objekt som avhandlas</definition>
  <format>
    <description/>
    <humanInterface/>
    <formatDefinition/>
  </format>
</term>
```

EBUCore XML

Standard

Dictionaries



5 librarians

Common dictionary

Nordic understanding

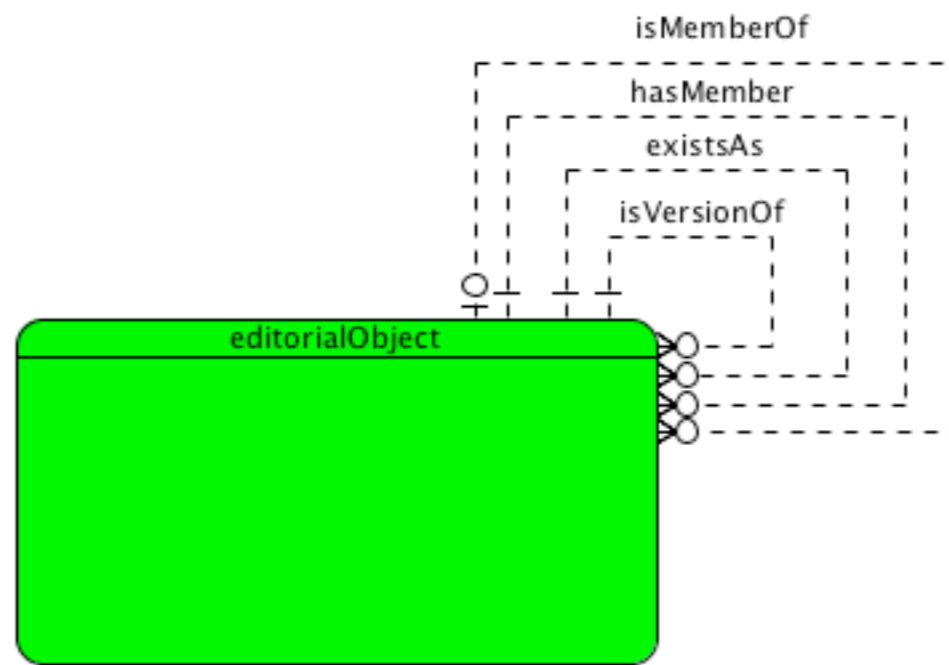
System integration

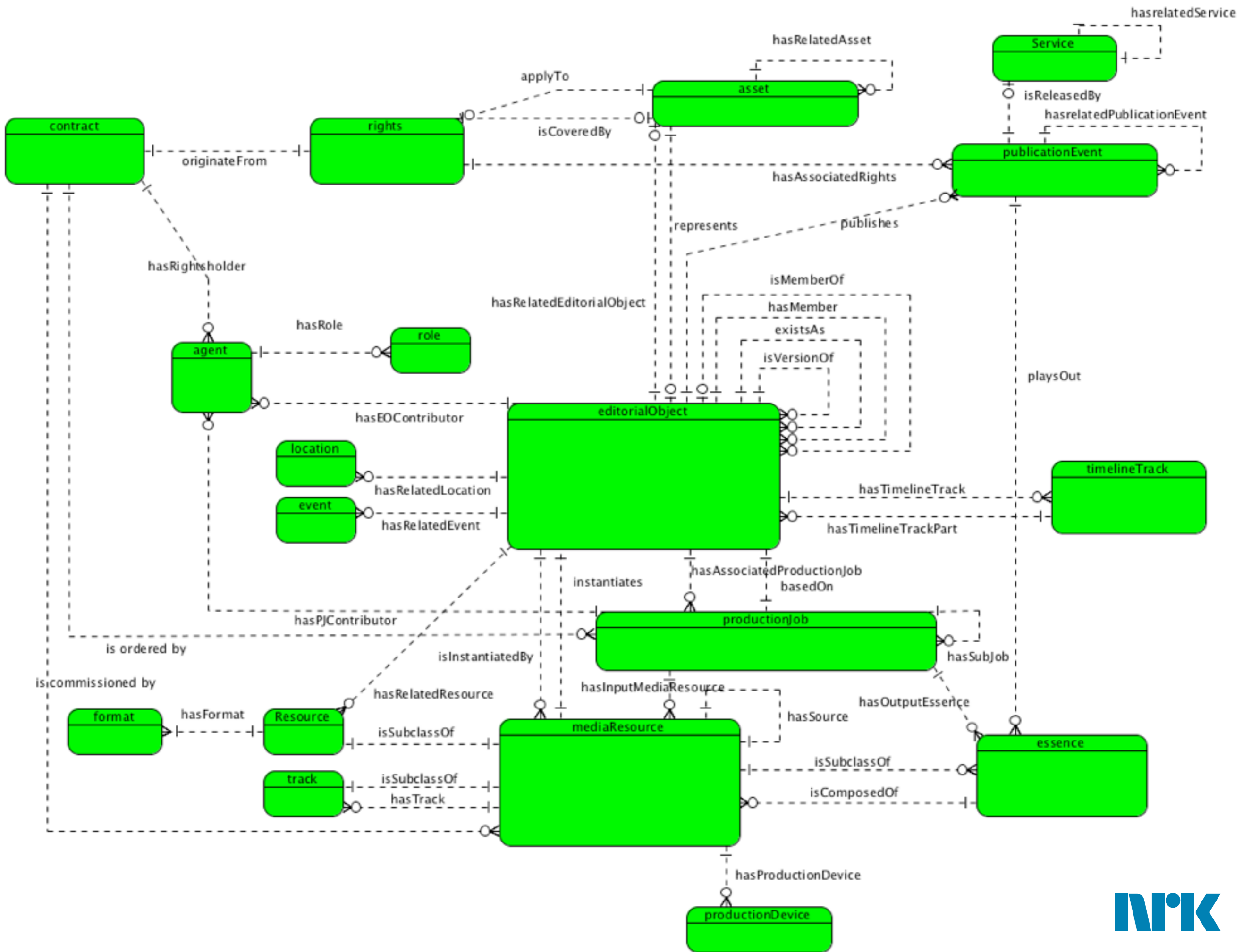
Map fields

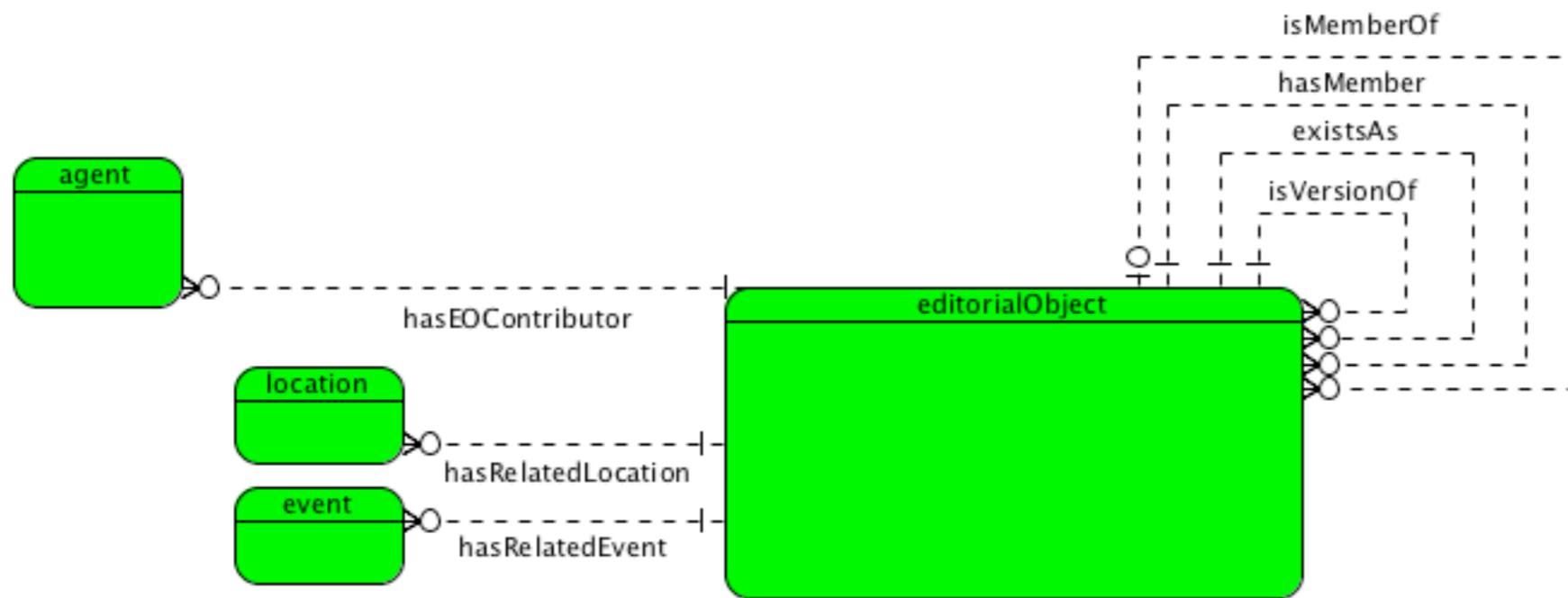
Service integration

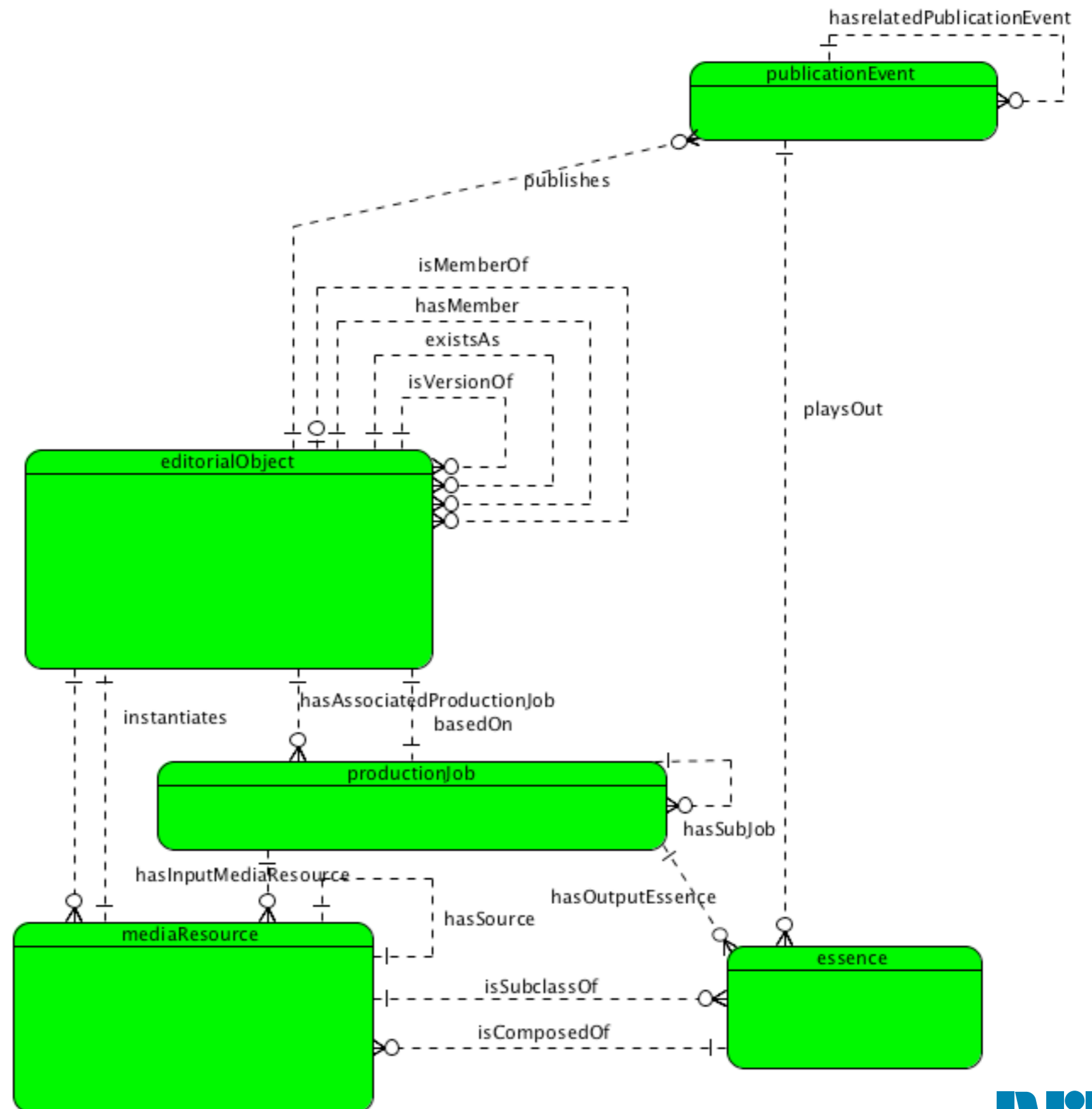
Map understanding

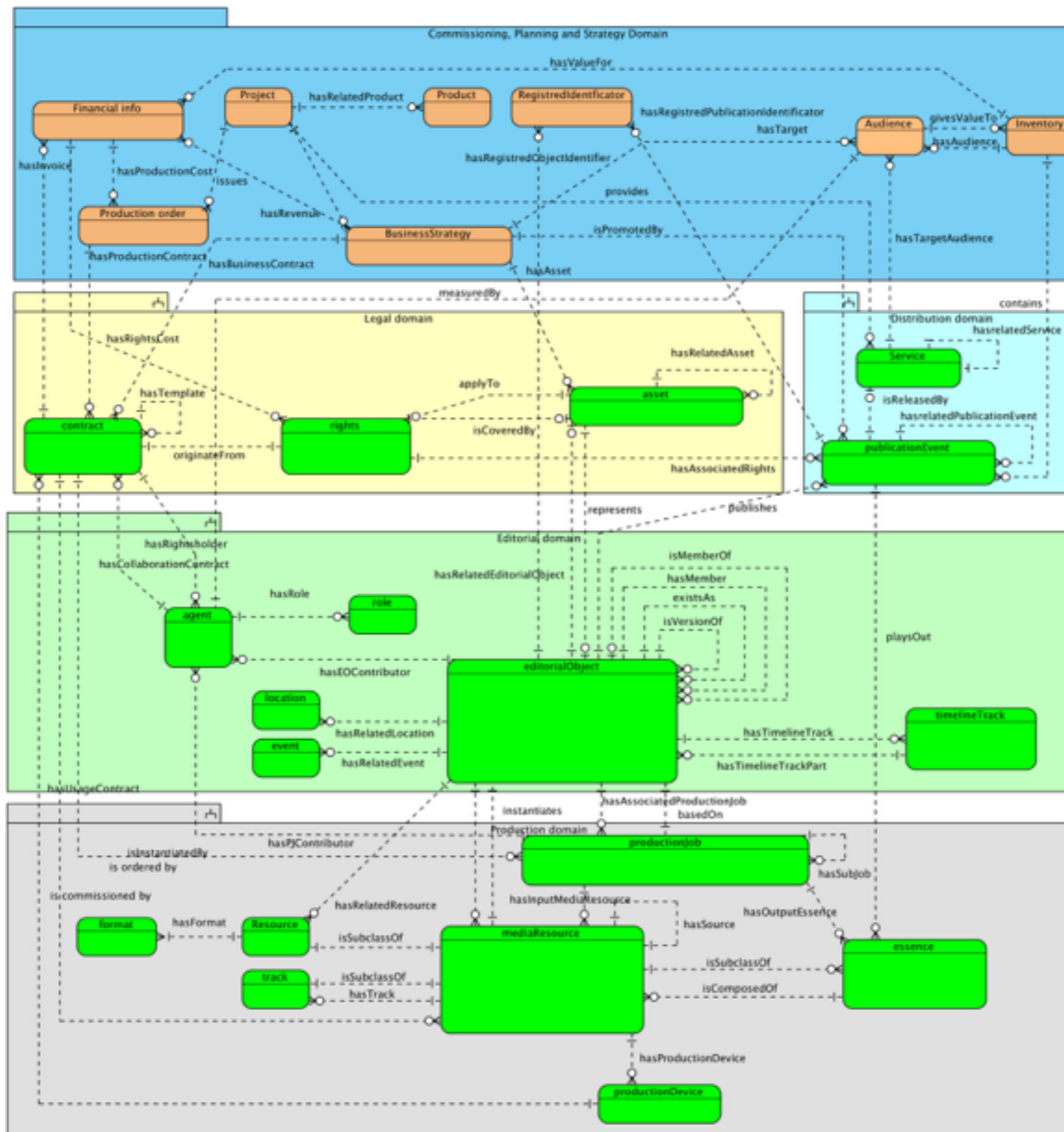
EBU Core & CCDM



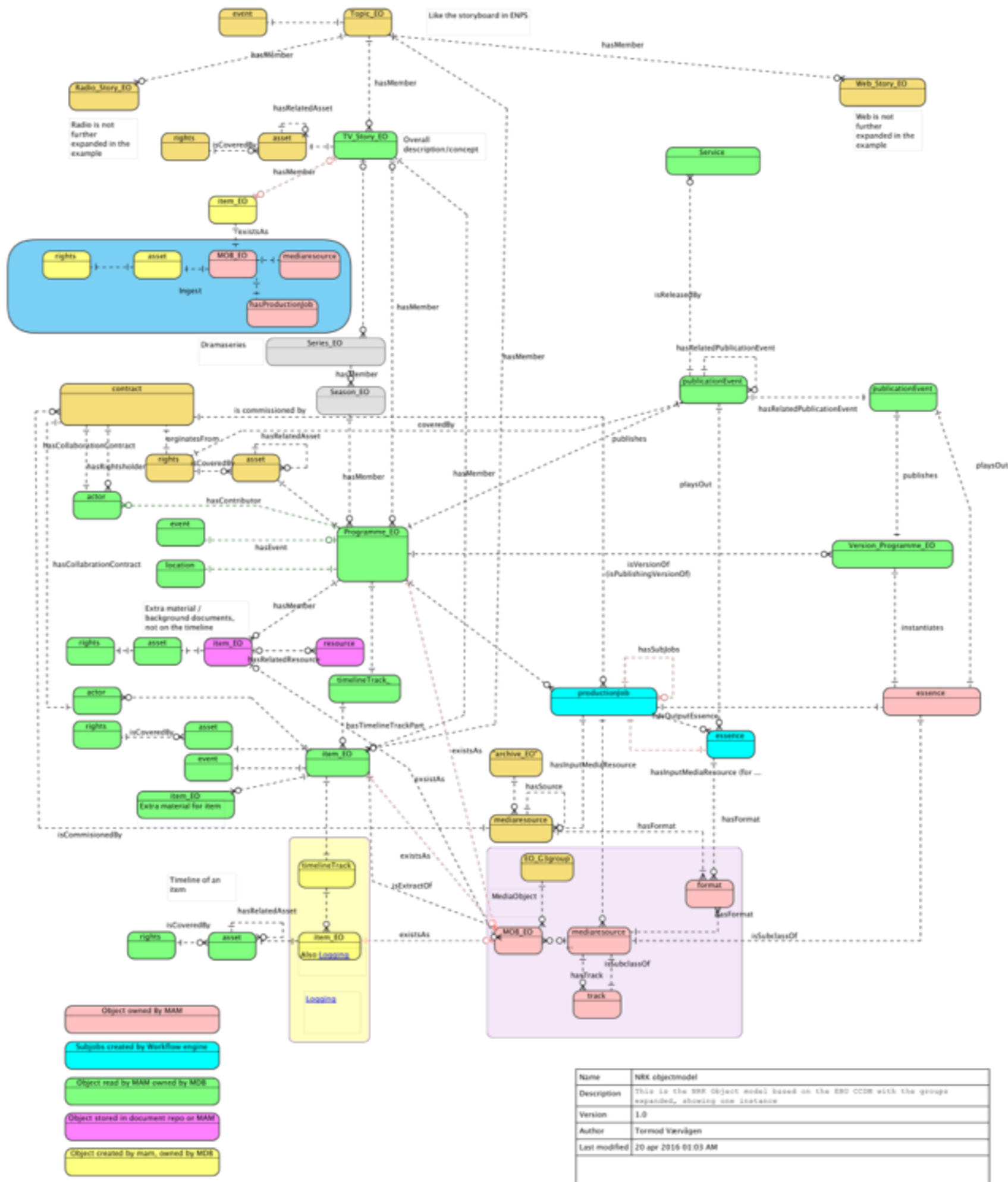








Name	CCDM - all relations - Final with planning extension
Description	CCDM v.1.2 with Commissioning, Planning and Strategy extension in different layers. Final version 1.1, with the 1.2 extension.
Version	1.2
Author	Tormod Værågen
Last modified	2 mar 2016 19:10 PM
Date created	18 feb 2015 10:45 AM





<https://tech.ebu.ch/publications/tech3293>