

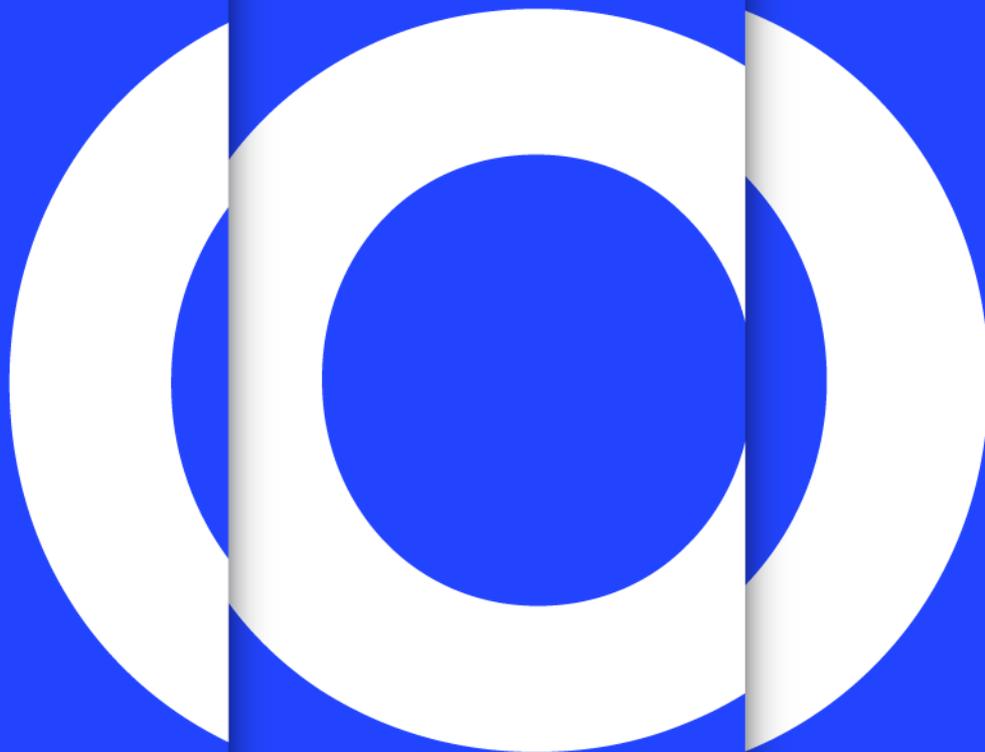
# EBU

OPERATING EUROVISION AND EURORADIO

MDN 2015

Geneva, June 9th, 2015

SPORT CONTENT  
IN ITS SEMANTIC CONTEXT





# SPORT ARCHIVES – CONTENT IN CONTEXT

Sports at EBU: athletics, biathlon, cycling, football, skiing, skatings, rallying, etc.

- Sport rights acquisition, event coordination, event production
- Portfolio: 30 sport federations, 120 events, 500 days of competition
- Audiovisual content, photos, documents and a bulk of data

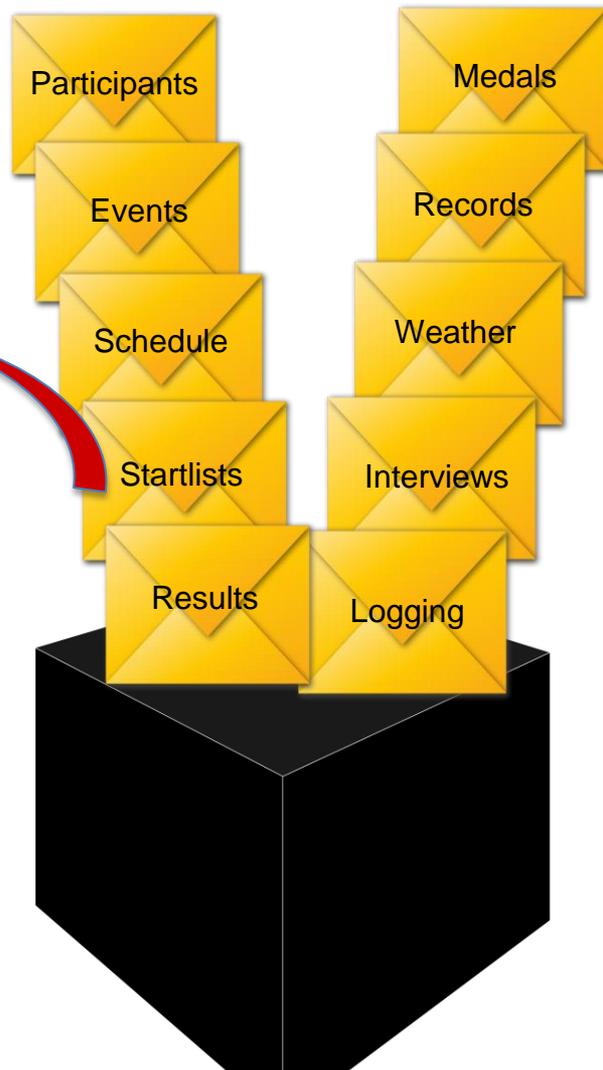


**Enrich the experience: link assets to event information**

# OUR SPORT DATA WORKFLOW TODAY

- A lot of data is available with high value

\$\$\$ in automatic metadata extraction??



# DECODING THE BLACK BOX ?



The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The 'Object Browser' on the left shows the 'ebulois' database with tables like 'datakeyvalues', 'datarecording', and 'sessionserials'. The 'Query 1' window contains the following SQL query:

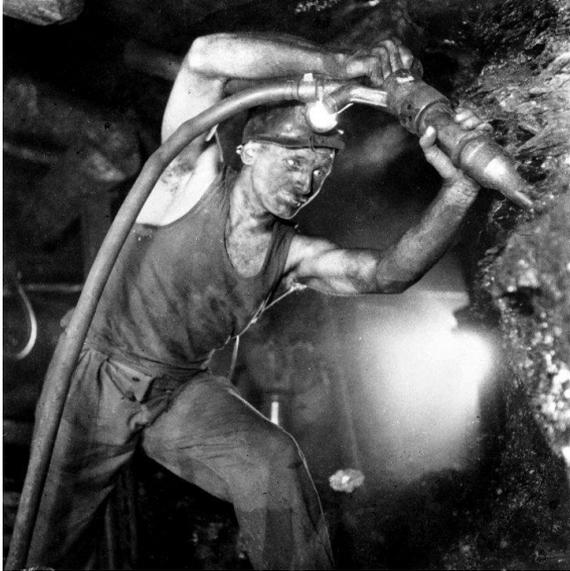
```
1 select content from ebulois.datarecording where (event = 'zurich2014')
2 and content not like '%DT_SERIAL%'
3 and content not like '%DT_PDF%'
4 and content like '%DocumentType=DT_START_LIST%'
5 and content not like '%201406%'
6
7
```

The 'Output' window shows the results of the query, displaying XML content for various document codes. The 'Action Output' window shows the execution progress of the query, including the time taken and the number of rows returned.

Time	Action	Message	Duration / Fetch
7 14:14:51	select content from ebulois.datarecording where (event = 'zurich2014') and content not like ...	0 row(s) returned	24.570 sec / 0.000 sec
8 14:17:36	select content from ebulois.datarecording where (event = 'zurich2014') and content	select content from ebulois.datarecording where (event = 'zurich2014')	24.741 sec / 0.000 sec
9 14:18:01	select content from ebulois.datarecording where (event = 'zurich2014') and content	and content not like '%DT_SERIAL%'	24.601 sec / 0.000 sec
10 14:18:29	select content from ebulois.datarecording where (event = 'zurich2014') and content	and content not like '%DT_PDF%'	18.361 sec / 6.287 sec
11 14:20:44	select content from ebulois.datarecording where (event = 'zurich2014') and content	and content like '%DocumentType=DT_START_LIST%'	0.202 sec / 24.758 sec

There is a better option...

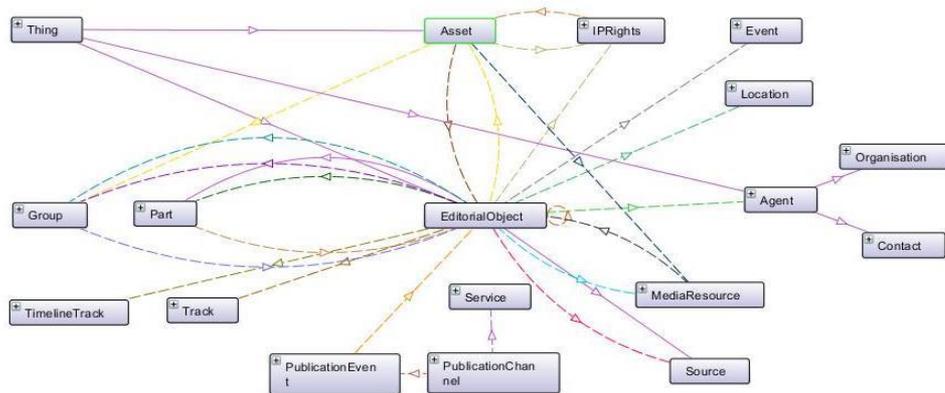
**STOP MINING!**



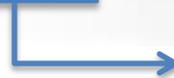
**GO SURFING...**



# NAVIGATE WITHIN YOUR DATA



Event



Results



# STEP 1: DEFINE A CONSISTENT IDENTIFICATION SCHEME

Define a syntax to build unique identifiers from available data independently of the data context

## EVENTS

ech2014#ATM051101 or <http://www.ebu.ch/metadata/ontologies/ebusport/athletics/ech2014#ATM051101>  
alias#eventcode

## ATHLETES

laaf#**AT**\_W1015016  
alias#discipline\_gender+athletecode



AT for  
Athletics

## RESULTS OF AN ATHLETE

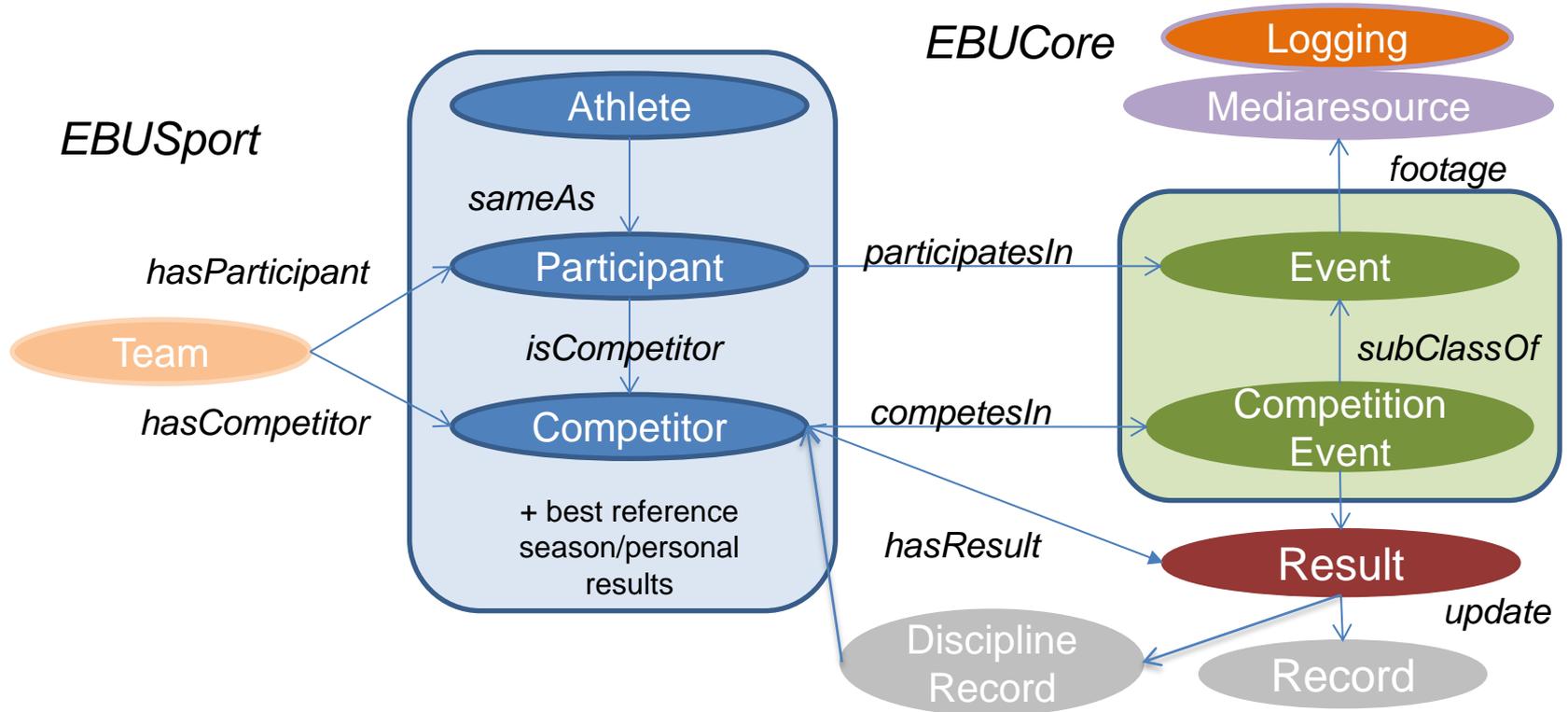
ech2014#**ATM**900A03\_M565  
alias#evencodedefull\_gender+bib

## RESULT OF A TEAM

ech2014#**ATW**401902\_ATW401UKR01  
alias#evencodedefull\_teamcode

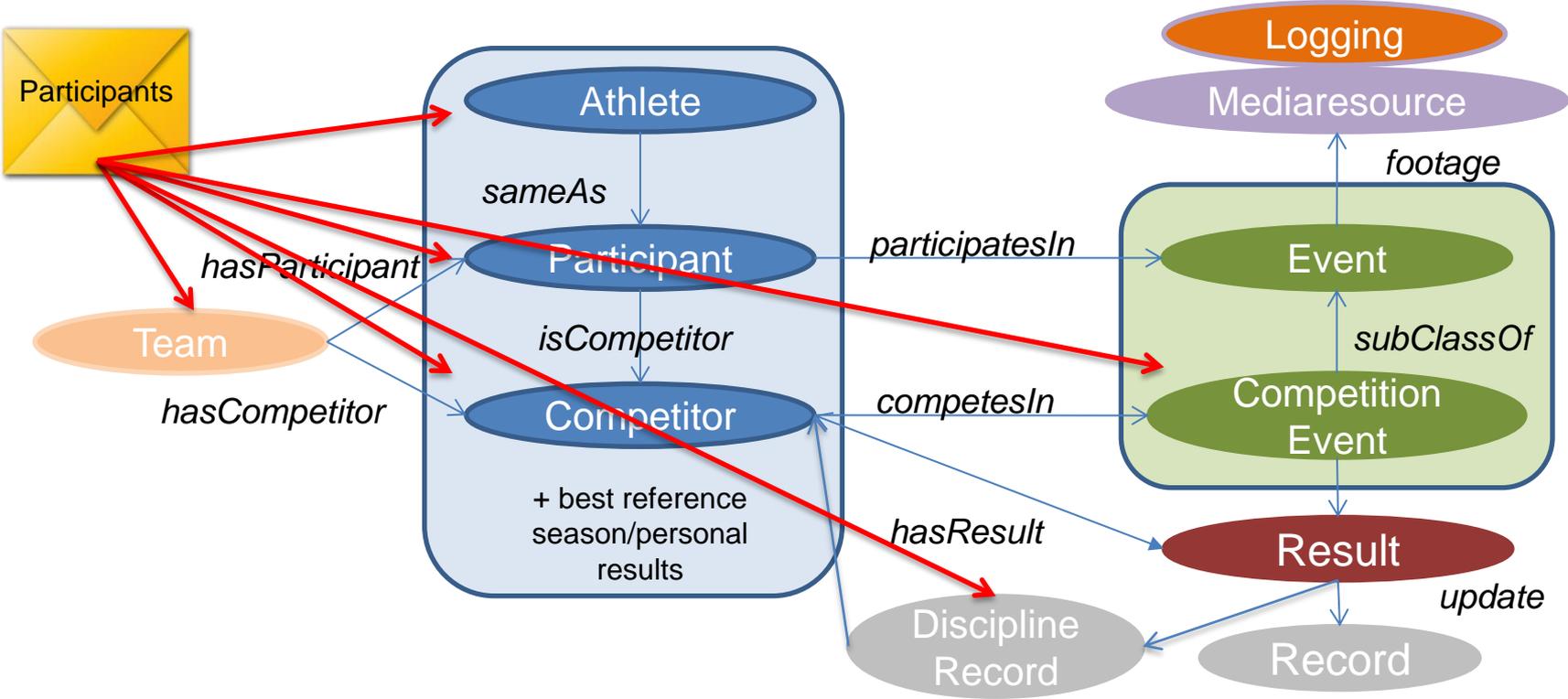
Etc.

# SIMPLE EBU SPORT MODEL BASED ON REAL DATA

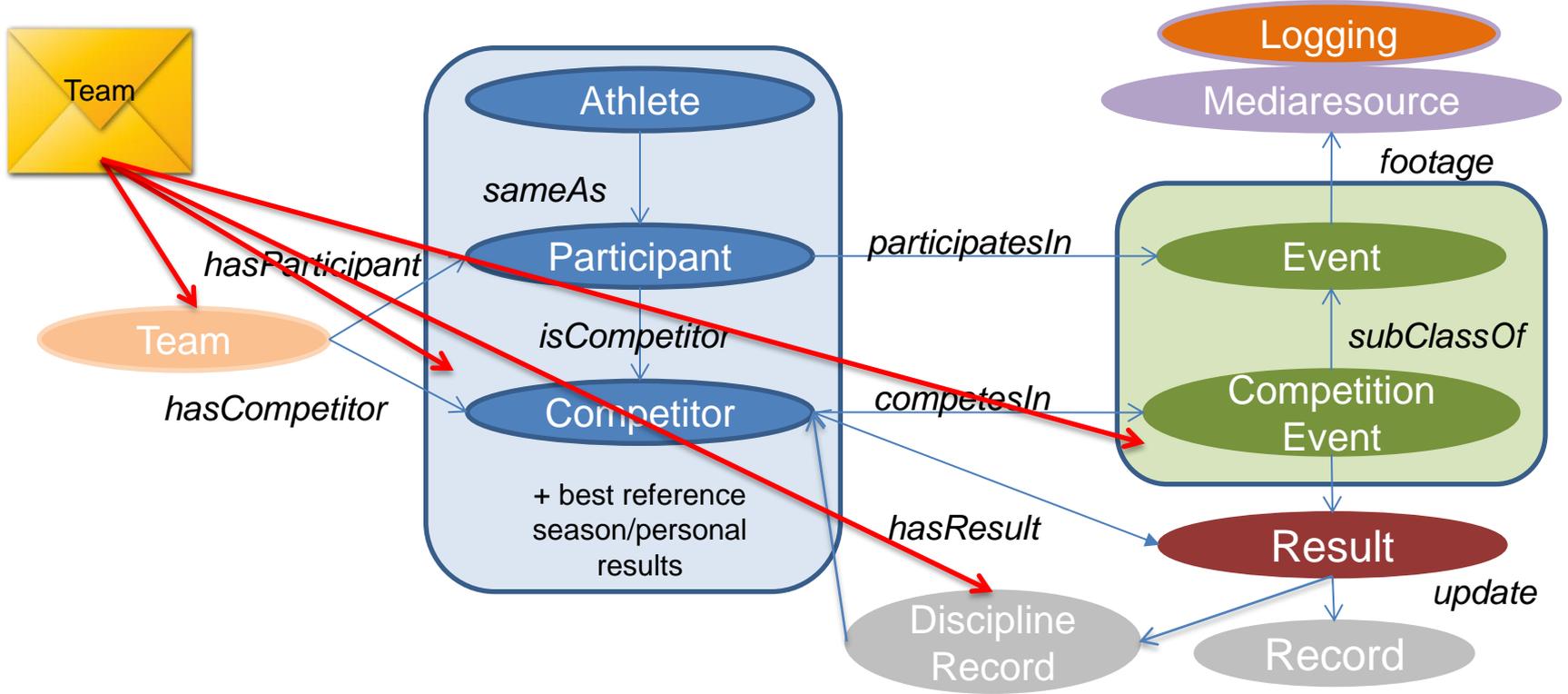


One namespace for the ontology, a different namespace per event

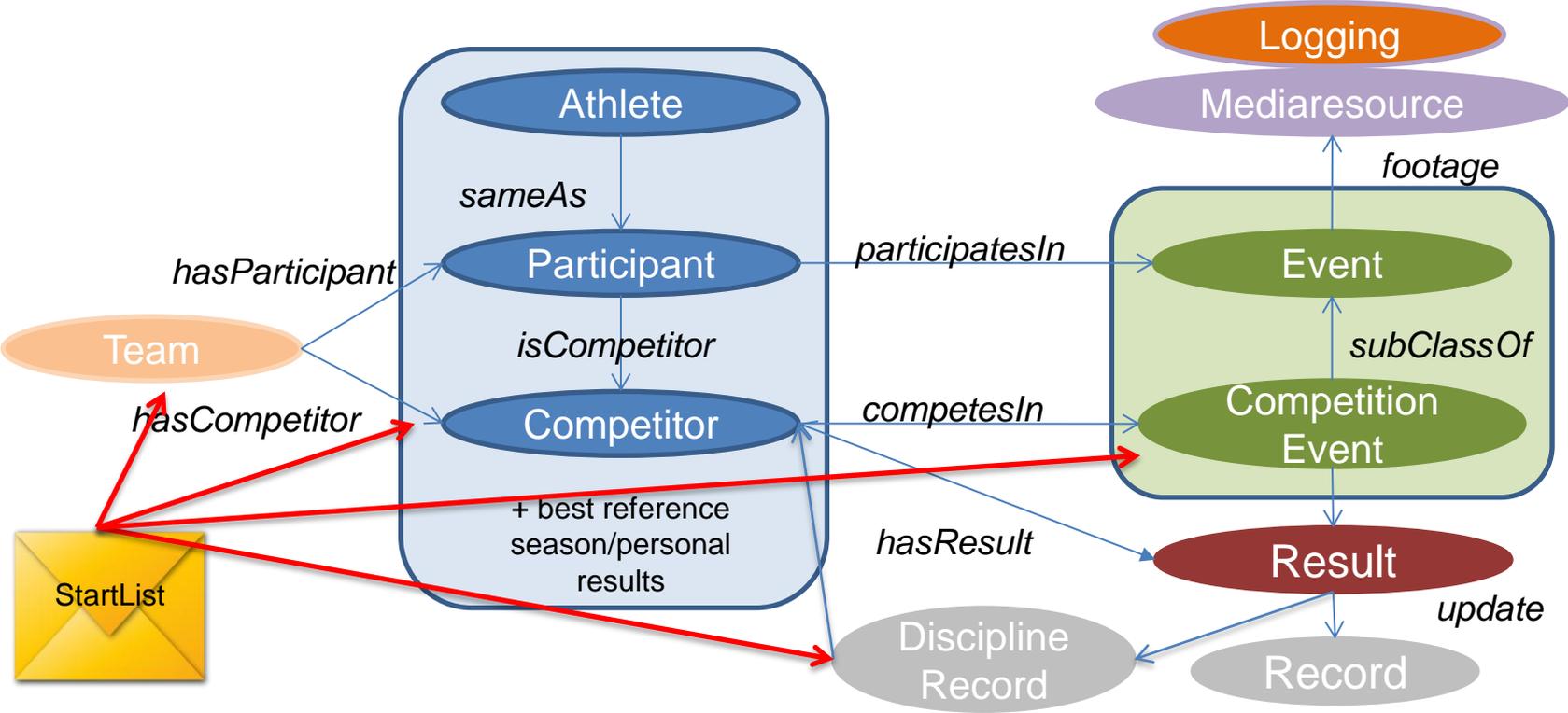
# DATA FEED 1



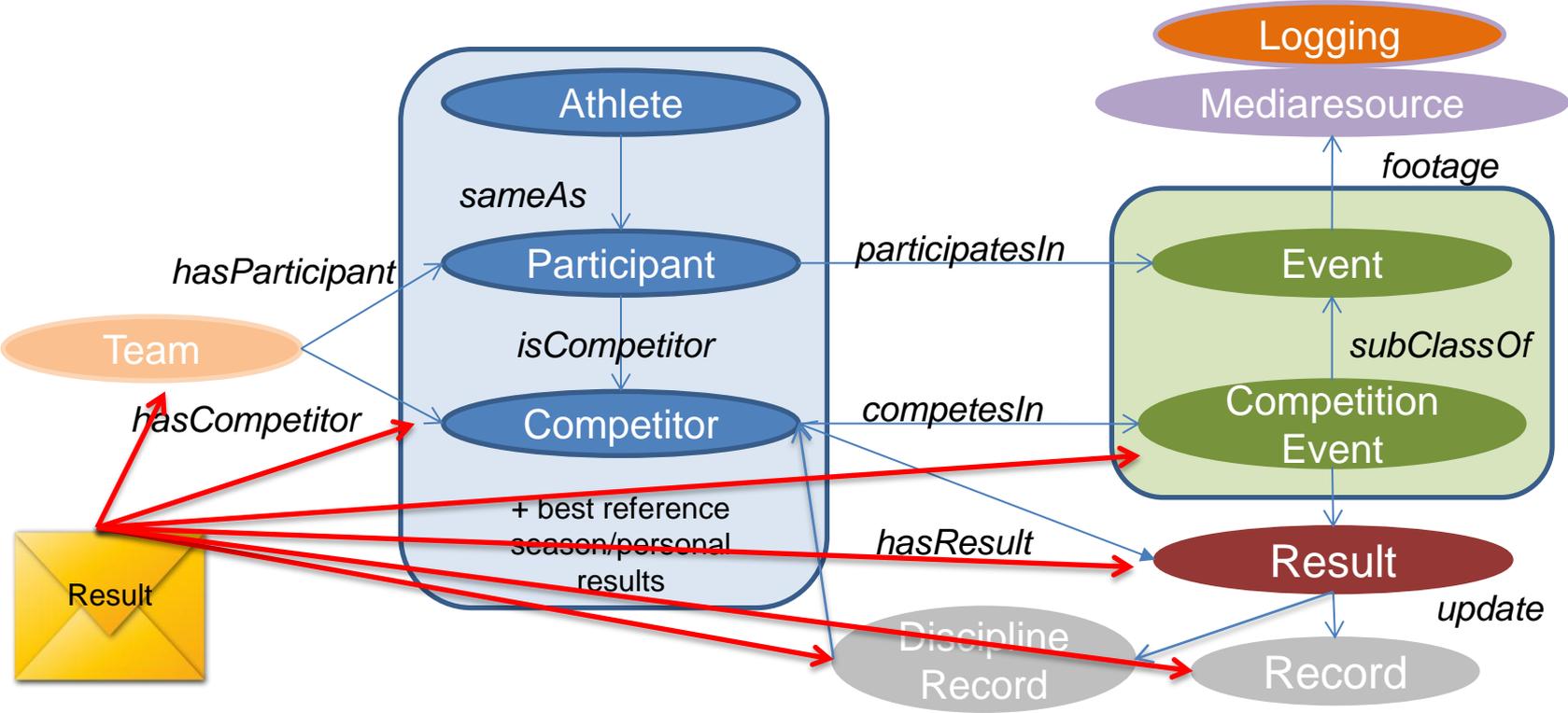
## DATA FEED 2



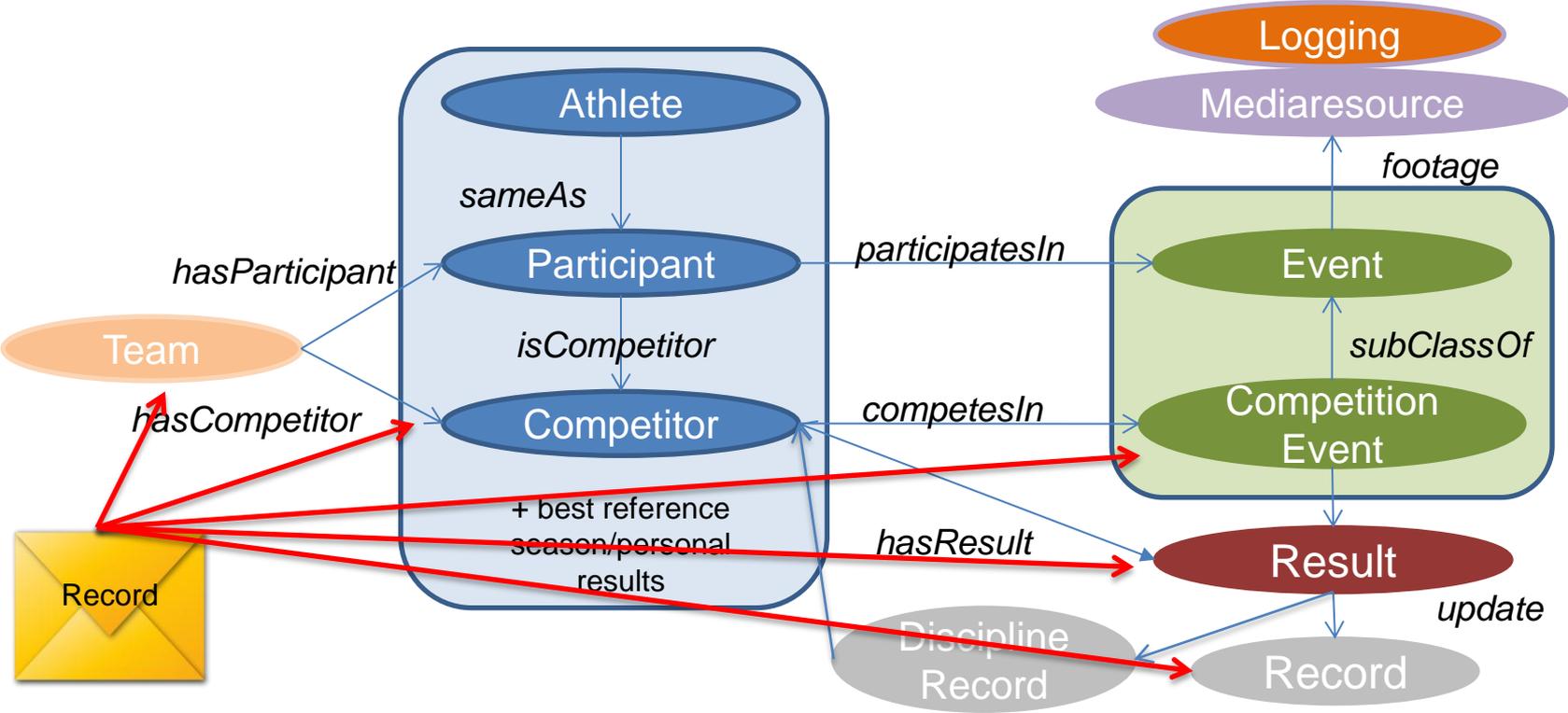
# DATA FEED 3



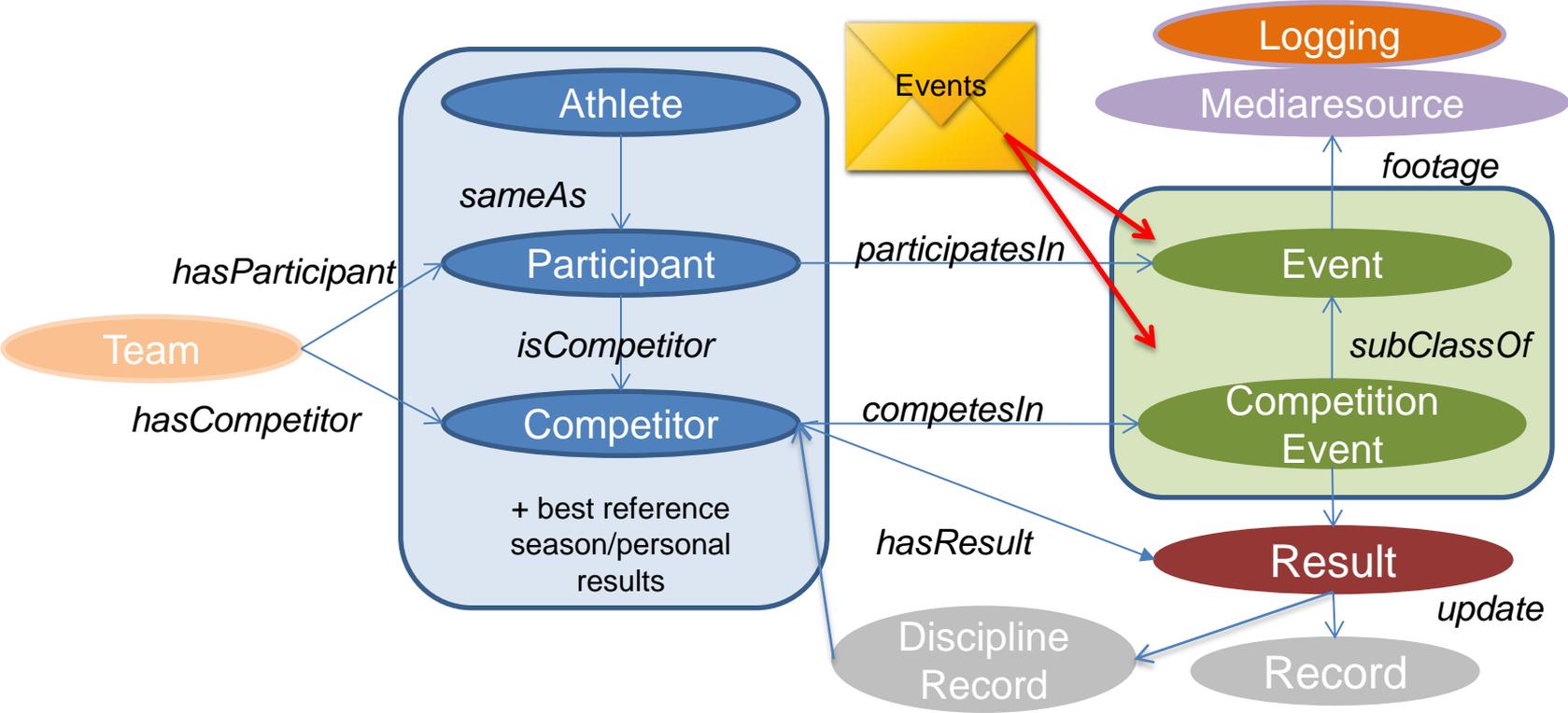
# DATA FEED 4



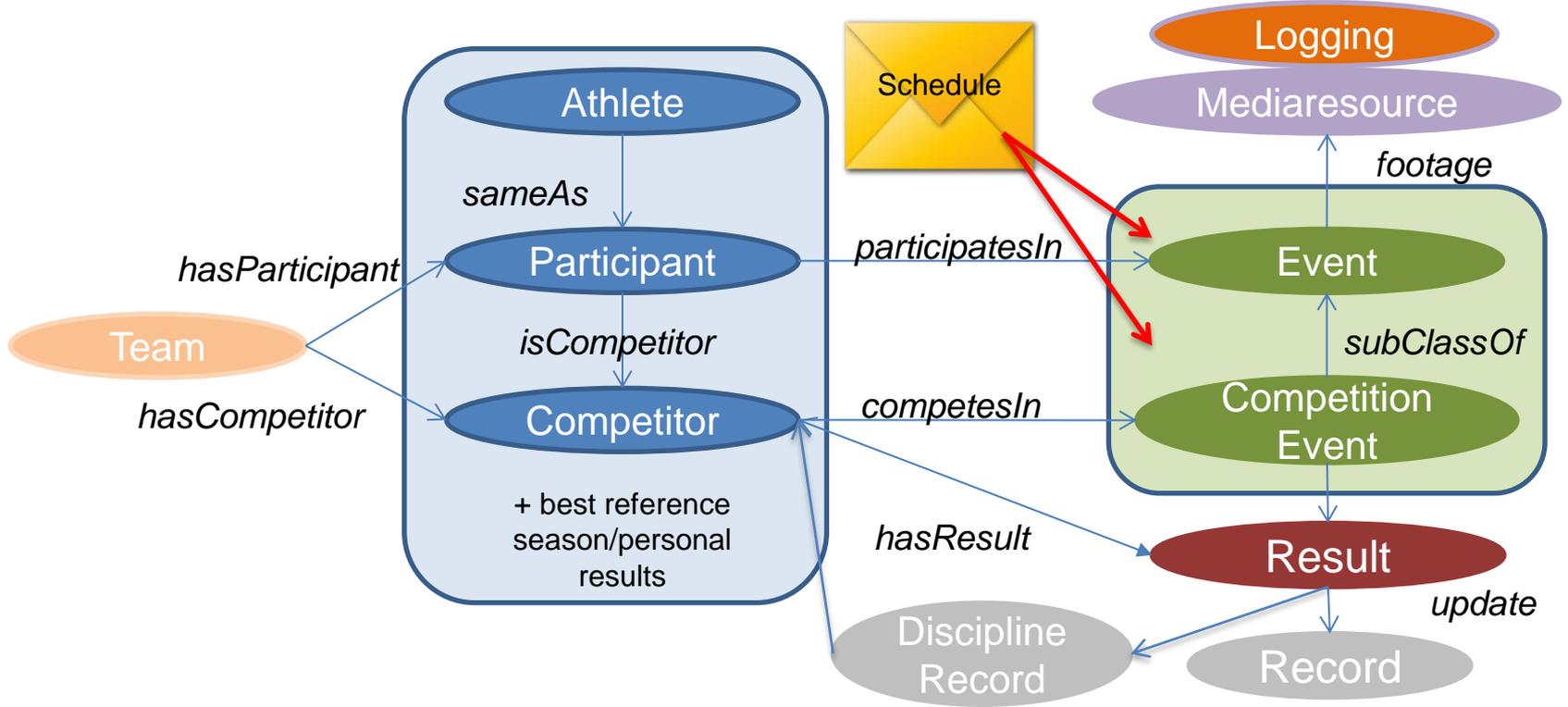
# DATA FEED 5



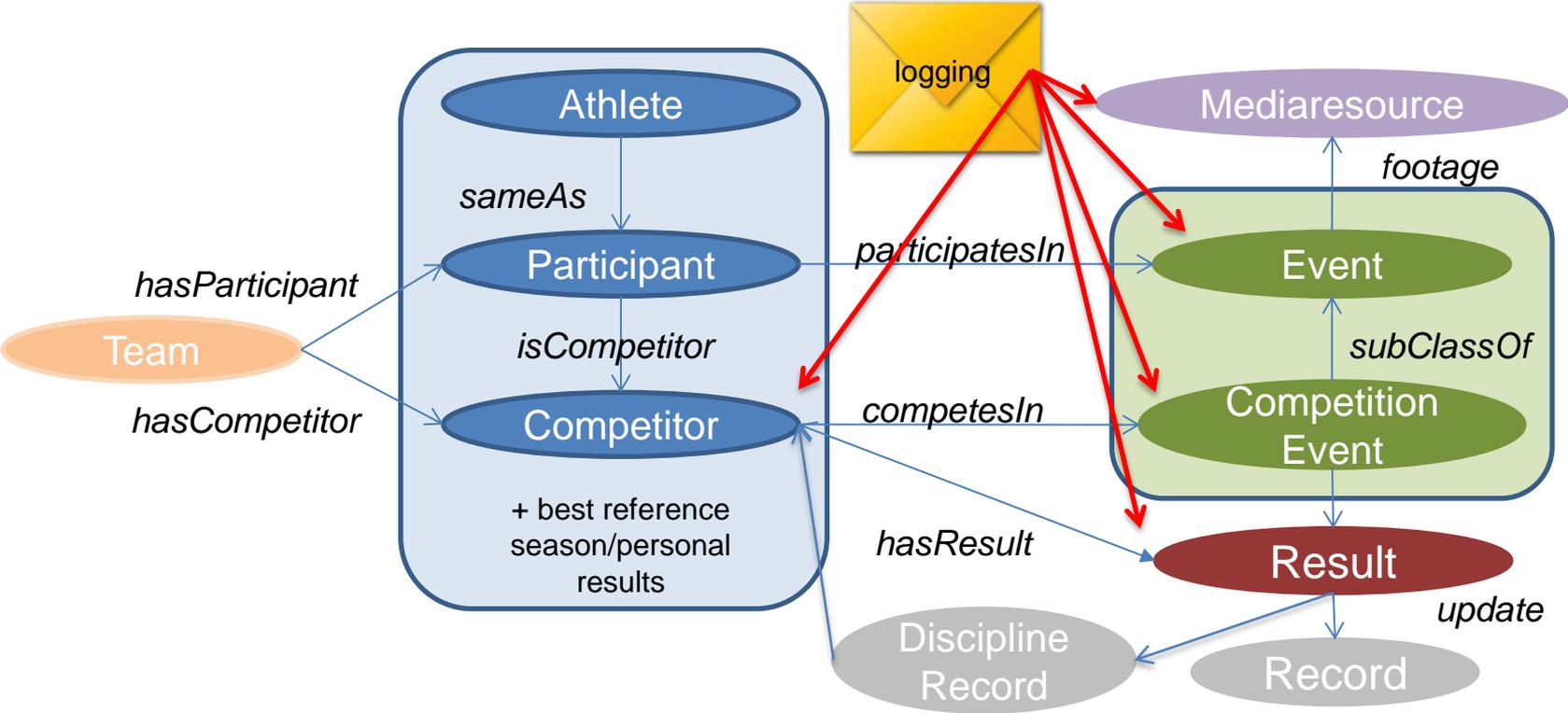
# DATA FEED 6



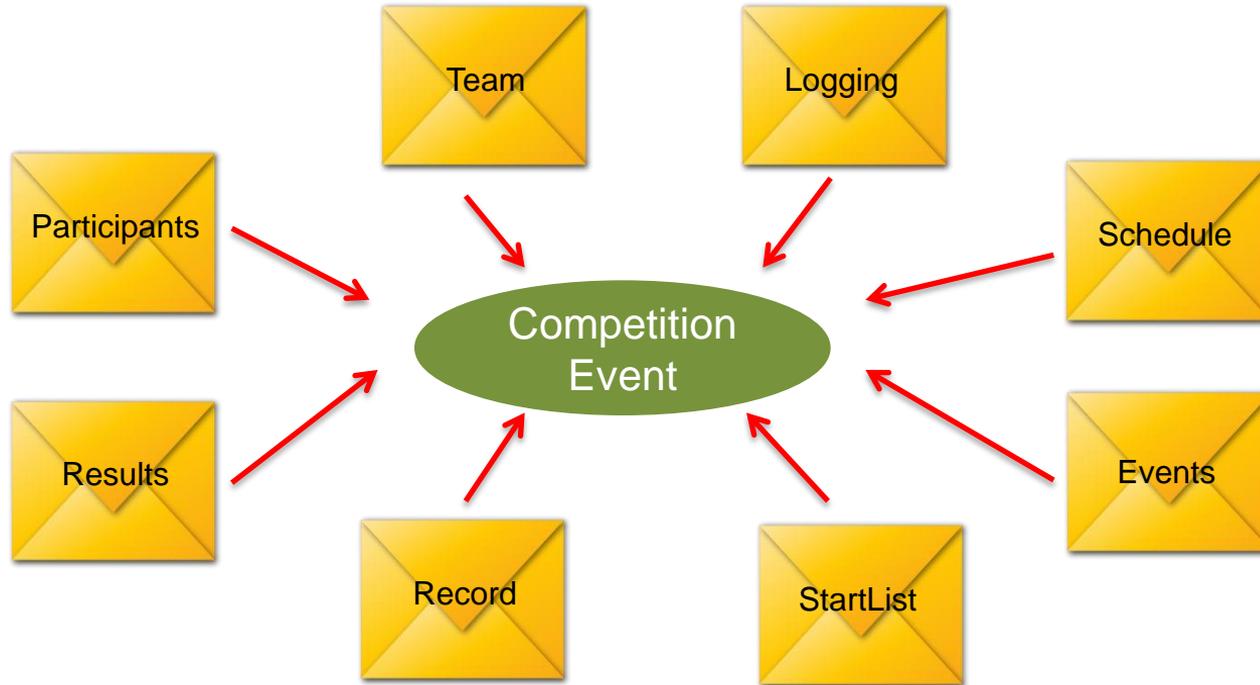
# DATA FEED 7



# DATA FEED 8



# GENERATE YOUR RDF DATA SEPARATELY FROM EACH DATA SOURCE



Data 'about' a class may be distributed across messages!  
The 'reasoner' will automatically link data relevant to classes.  
Identification is KEY!



# LIVE DEMO OF A BASIC APPLICATION

TopBraid Default Application - ebusport\_odf

**Class Hierarchy**

- Thing
  - Agent
  - Annotation
  - Business object
  - Discipline record
  - Event
    - Breaking news
    - Ceremony
    - Competition
    - Interview
    - Official communication
    - Press conference
    - Location
    - Medal
    - Overall delegation ranking
    - Record
    - Resource
    - Result
    - Rights
    - Role
    - Start list
    - Statistics

**ECH 2014 - Zurich, 3,000m Steeplechase - Men - Final**

Start date & time: 2014-08-14T20:45:00+02:00  
End date & time: 2014-08-14T20:55:00+02:00  
2014-08-14T20:56:00+02:00  
Competition: [ECH 2014 - Zurich, 3,000m Steeplechase - Men](#)

▶ Start list  
▶ Results  
▶ Photo finish  
Photo finish: 

▶ Video footage  
Related resource: <http://127.0.0.1/my%20portable%20files/ATM033101.mp4>  
Sport item: [Footage ECH 2014 - Zurich, 3,000m Steeplechase - Men - Final](#)

**Instances of Event**

Resource	Type
AT0000100	Competition event
ECH 2014 - European A	Competition
ECH 2014 - Zurich, 1,5	Competition event
ECH 2014 - Zurich, 1,5	Competition event
ECH 2014 - Zurich, 3,000	Competition event





Official:

Parent event:

Photo finish:

**Search Results**

**Powered by  
TopBraid Composer  
Maestro Edition**

“Thou shall not fear the demo effect“

# LINKED DATA AND METADATA ENRICHMENT



## About: Christophe Lemaître

An Entity of Type : [agent](#), from Named Graph : <http://dbpedia.org>, within Data Space : [dbpedia.org](#)

Christophe Lemaître is a French sprinter, who specialises in the 100 and 200 metres. He is the French 100 m and 200 m record holder with a time of 9.92 seconds and 19.80 seconds and is the first person of European descent to break the 10-second barrier in an officially timed event. At the age of 20, he won the 100 m, 200 m and the 4×100 m relay titles at the 2010 European Championships, the first French sprinter ever to triple, making him the fastest man in Europe.

Property	Value
<a href="#">dbpedia-owl:Person/weight</a>	■ 74.0
<a href="#">dbpedia-owl:abstract</a>	■ Christophe Lemaître ist ein französischer 100-Meter-Lauf in unter 10 Sekunde ■ Christophe Lemaître é um atleta francês a prova dos 100 metros abaixo de 10 segundos ■ Christophe Lemaître es un atleta francés ■ Christophe Lemaître is a French sprinter with 9.92 seconds and 19.80 seconds and at the age of 20, he won the 100 m, 200 m and the 4×100 m relay titles at the 2010 European Championships, the first French sprinter ever to triple, making him the fastest man in Europe.

### athlete

[http://dbpedia.org/resource/Georges\\_Lemaire](http://dbpedia.org/resource/Georges_Lemaire)

[http://dbpedia.org/resource/Jacques\\_Lemaire](http://dbpedia.org/resource/Jacques_Lemaire)

[http://dbpedia.org/resource/Nicolas\\_Lemaigre](http://dbpedia.org/resource/Nicolas_Lemaigre)

[http://dbpedia.org/resource/Christophe\\_Lemaître](http://dbpedia.org/resource/Christophe_Lemaître)

[http://dbpedia.org/resource/Talemaitoga\\_Tuapati](http://dbpedia.org/resource/Talemaitoga_Tuapati)

[http://dbpedia.org/resource/Edson\\_Lemaire](http://dbpedia.org/resource/Edson_Lemaire)

[http://dbpedia.org/resource/Christophe\\_Lemaire](http://dbpedia.org/resource/Christophe_Lemaire)

[http://dbpedia.org/resource/Nicolas\\_Lemaire](http://dbpedia.org/resource/Nicolas_Lemaire)

[http://dbpedia.org/resource/Pierre-%C3%89tienne\\_Lemaire](http://dbpedia.org/resource/Pierre-%C3%89tienne_Lemaire)

## Virtuoso SPARQL Query Editor

[About](#) | [Namespace Prefixes](#) | [Inference rules](#) | [iSPARQL](#)

Default Data Set Name (Graph IRI)  
<http://dbpedia.org>

### Query Text

```
select ?athlete where {  
  ?athlete rdf:type <http://dbpedia.org/ontology/Athlete>.  
  FILTER regex(?athlete, 'ler ', ' ', 'i')  
}
```

<http://dbpedia.org/sparql>

*(Security restrictions of this server do not allow you to retrieve remote RDF data, see [details](#).)*

Results Format: HTML *(The CXML output is disabled, see [details](#))*

Execution timeout: 30000 milliseconds *(values less than 1000 are ignored)*

Options:  Strict checking of void variables

*(The result can only be sent back to browser, not saved on the server, see [details](#))*

Run Query

Reset

# LINKED DATA: FOLLOWING THE NON SPARQL ENDPOINT ROUTE

## Option 1

- dbpedia is a representation of wikipedia.
- You can parse the wikipedia page instead of using the dpedia's sparql endpoint
- Result: 20 minutes for 1400 athletes

## Option 2

- Access the RDF file of each dbpedia page
- Works fine with xslt and generate your own RDF

```
document(concat('http://dbpedia.org/data/', $givenname, '_', $familyname, '.rdf'))//dbpprop:dateOfBirth
```

(the pain point is the normalisation of characters in names)

- Result: 1 minute for 1400 athletes

## Christophe Lemaître

From Wikipedia, the free encyclopedia

**Christophe Lemaître**<sup>[1]</sup> (French pronunciation: [kʁistɔf ləmɛtʁ]; born 11 June 1990) is a French [sprinter](#), who specialises in the [100](#) and [200 metres](#). He is the current French 100 m outdoor and 200 m outdoor [record holder](#) with a time of 9.92 seconds and 19.80 seconds respectively. He was the first [white man](#) to break the [10-second barrier](#) in an officially timed 100 m event.<sup>[2]</sup>

At the age of 20, Lemaître won the 100 m, 200 m and the [4×100 m relay](#) titles at the [2010 European Championships](#), the first French sprinter ever to achieve that triple. He was the fastest [European](#) 100 m and 200 m sprinter in 2010.<sup>[3][4]</sup> He won a bronze medal in the 200 m at the [2011 World Championships](#). As of August 2013, Lemaître was one of the three Frenchmen (the other two are [Ronald Pognon](#) and [Jimmy Vicaut](#)) to have broken the [10-second barrier in the 100 metres outdoor](#).<sup>[5]</sup>

### Contents [hide]

- 1 Career
  - 1.1 Growing up
  - 1.2 2008–2009
  - 1.3 2010
  - 1.4 2011
  - 1.5 2012-2014
  - 1.6 Recognition
  - 1.7 Personal life
- 2 Personal bests
- 3 References
- 4 External links

## Career [edit]

### Growing up [edit]

### Christophe Lemaître



Christophe Lemaître at the 2010 European Championships

#### Personal information

<b>Nationality</b>	France
<b>Born</b>	11 June 1990 (age 24) Culoz, France
<b>Height</b>	1.90 m (6 <span> </span> ft 3 <span> </span> in)
<b>Weight</b>	74 kg (163 <span> </span> lb; 11 <span> </span> st 9 <span> </span> lb)

#### Sport

<b>Sport</b>	<a href="#">sprinting</a>
<b>Event(s)</b>	<a href="#">100 metres</a> , <a href="#">200 metres</a> , <a href="#">4 × 100 metres relay</a>
<b>Club</b>	Athlétique Sport Aixois

#### Achievements and titles

<b>Personal best(s)</b>	<b>100 m outdoor:</b> 9.92 s ( <a href="#">Albi 2011</a> )
-------------------------	--

Fichier Édition Affichage Historique Marque-pages Outils ?

D About: Christophe Lemaître x +

dbpedia.org/page/Christophe\_Lemaître

Rechercher

## About: Christophe Lemaître

An Entity of Type : [athlete](#), from Named Graph : <http://dbpedia.org>, within Data Space : [dbpedia.org](#)



Christophe Lemaître (né le 11 juin 1990 à Annecy) est un athlète français spécialiste des épreuves de sprint. Il est l'actuel détenteur des records de France du 100 m (9 s 92) et du 200 m (19 s 80). Lors des championnats de France 2010 de Valence, il établit son premier record national sur 100 mètres en 9 s 98, et devient à cette occasion le premier sprinteur blanc à courir en moins de dix secondes sur cette discipline depuis la mise en place du chronométrage électronique.

Property	Value
dbpedia-owl:Person/height	▪ 190.0
dbpedia-owl:Person/weight	▪ 74.0
dbpedia-owl:abstract	<ul style="list-style-type: none"> <li>Christophe Lemaître (né le 11 juin 1990 à Annecy) est un athlète français spécialiste des épreuves de sprint. Il est l'actuel détenteur des records de France du 100 m (9 s 92) et du 200 m (19 s 80). Lors des championnats de France 2010 de Valence, il établit son premier record national sur 100 mètres en 9 s 98, et devient à cette occasion le premier sprinteur blanc à courir en moins de dix secondes sur cette discipline depuis la mise en place du chronométrage électronique. Au cours de ces mêmes championnats, il égale le record national de Gilles Quéénéhervé sur 200 m en réalisant le temps de 20 s 16. Quelques semaines plus tard à Barcelone, il devient le premier sprinteur à remporter les titres du 100 m (10 s 11), du 200 m (20 s 37) et du relais 4 × 100 mètres (38 s 11) pendant les mêmes championnats d'Europe. Il remporte à nouveau le 100 m des championnats d'Europe en 2012 à Helsinki (10 s 09) ainsi que le bronze en 4 × 100 mètres. En 2011, lors de la finale du 200 m des championnats du monde de Daegu, il parvient à améliorer le record de France en passant du même coup la barre des 20 secondes. Ce temps, 19 s 80, qui lui assure la médaille de bronze, fait de lui le deuxième meilleur sprinter européen de tous les temps, à seulement 8 centièmes de l'ancien record du monde de Pietro Mennea (19 s 72 en 1979 en altitude). Il a également été sacré champion du monde junior du 200 m en 2008 à Bydgoszcz et champion d'Europe junior du 100 m un an plus tard à Novi Sad, compétition qui lui a permis de devenir recordman d'Europe junior du 100 m en 10 s 04.</li> <li>Christophe Lemaître (French pronunciation: [kʁistɔf lemɛtʁ]; born 11 June 1990 in Annecy, France) is a French sprinter, who specialises in the 100 and 200 metres. He is the current French 100 m outdoor and 200 m outdoor record holder with a time of 9.92 seconds and 19.80 seconds respectively. He was the first man purely of European descent to break the 10-second barrier in an officially timed 100 m event. At the age of 20, Lemaître won the 100 m, 200 m and the 4×100 m relay titles at the 2010 European Championships, the first French sprinter ever to achieve that triple. He was the fastest European 100 m and 200 m sprinter in 2010. As of August 2013, Lemaître was one of the three Frenchmen (the other two are Ronald Pognon and Jimmy Vicaut) to have broken the 10-second barrier in the 100 metres outdoor.</li> </ul>
dbpedia-owl:birthDate	▪ 1990-06-11 (xsd:date)
dbpedia-owl:birthPlace	▪ dbpedia:France ▪ dbpedia:Annecy
dbpedia-owl:birthYear	▪ 1990-01-01 (xsd:date)
dbpedia-owl:height	▪ 1.900000 (xsd:double)
dbpedia-owl:nationality	▪ dbpedia:France

# DBPEDIA RDF EXPORT



## About: [Christophe Lemaître](#)

An Entity of Type : [athlete](#), from Named Graph : <http://dbpedia.org>, within Data Space : [dbpedia.org](#)



Christophe Lemaître (né le 11 juin 1990 à Annecy) est un athlète français spécialiste des épreuves de sprint. Il est l'actuel détenteur des records de France du 100 m (9 s 92) et du 200 m (19 s 80). Lors des championnats de France 2010 de Valence, il établit son premier record national sur 100 mètres en 9 s 98, et devient à cette occasion le premier sprinteur blanc à courir en moins de dix secondes sur cette discipline depuis la mise en place du chronométrage électronique.

Property	Value
<a href="#">dbpedia-owl:Person/height</a>	■ 190.0
<a href="#">dbpedia-owl:Person/weight</a>	■ 74.0
<a href="#">dbpedia-owl:abstract</a>	■ Christophe Lemaître (né le 11 juin 1990 à Annecy) est un athlète français spécialiste des épreuves de sprint. Il est l'actuel détenteur des records de France du 100 m (9 s 92) et du 200 m (19 s 80). Lors des championnats de France 2010 de Valence, il établit son premier record national sur 100 mètres en 9 s 98, et devient à cette occasion le premier sprinteur blanc à courir en moins de dix secondes sur cette discipline depuis la mise en place du chronométrage électronique.

Source de : [http://dbpedia.org/page/Christophe\\_Lemaître](http://dbpedia.org/page/Christophe_Lemaître) - Mozilla Firefox

```
Fichier Édition Affichage ?
1 <?xml version="1.0" encoding="UTF-8" ?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RDFa 1.0//EN" "http://www.w3.org/MarkUp/DTD/xhtml-rdfa-1.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml"
4   xmlns:dbpprop="http://dbpedia.org/property/"
5   xmlns:foaf="http://xmlns.com/foaf/0.1/"
6   version="XHTML+RDFa 1.0" xml:lang="en">
7
8
9 <!-- header -->
10 <head profile="http://www.w3.org/1999/xhtml/vocab">
11   <title>About: Christophe Lemaître</title>
12   <link rel="alternate" type="application/rdf+xml" href="http://dbpedia.org/data/Christophe_Lemaître.rdf" title="Stru
13   <link rel="alternate" type="text/rdf+n3" href="http://dbpedia.org/data/Christophe_Lemaître.n3" title="Structured De
14   <link rel="alternate" type="application/json+rdf" href="http://dbpedia.org/data/Christophe_Lemaître.jrdf" title="S
15   <link rel="alternate" type="application/json" href="http://dbpedia.org/data/Christophe_Lemaître.json" title="Struct
16   <link rel="alternate" type="application/atom+xml" href="http://dbpedia.org/data/Christophe_Lemaître.atom" title="O
17   <link rel="alternate" type="text/plain" href="http://dbpedia.org/data/Christophe_Lemaître.ntriples" title="Structu
18   <link rel="alternate" href="http://dbpedia.org/sparql?default-graph-uri=http%3A%2F%2Fdbpedia.org&amp;query=DESCRIBE
19
```

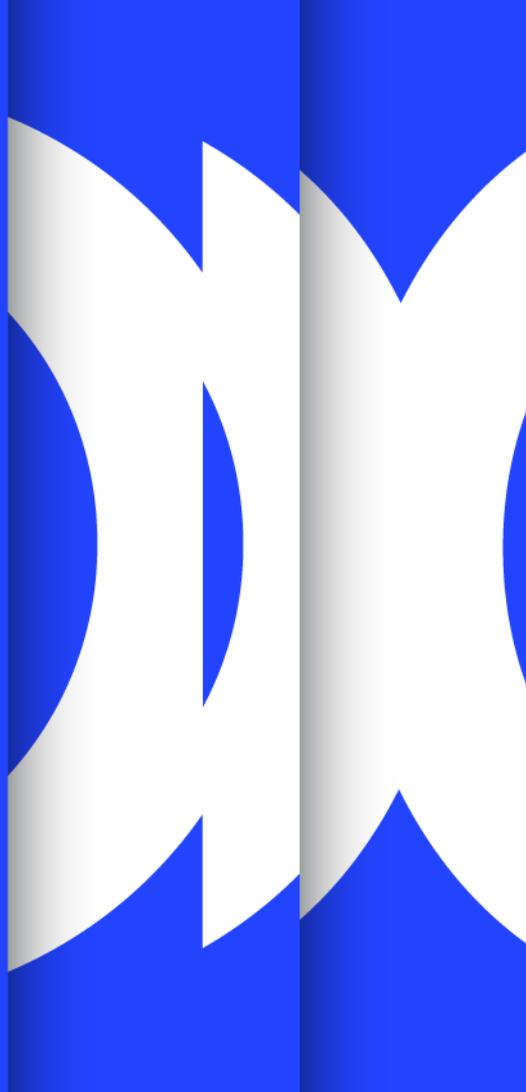
## WIKIDATA: THE FUTURE? ☹️

<http://www.wikidata.org/wiki/Q18608871> -> Christophe Lemaitre

- Ask for the ID?
- Why not, but using what property?
  - Properties are also coded, etc.
  - Ask for the property code?
    - Why not, but...

Better use dbpedia as long as it exists!

# What's next?



## OBJECTIVE BAKU 2015 (12-28 June)

- Cover all European Games sports
  - ❖ Swimming, archery, athletics, badminton, basket ball 3x3, beach soccer, boxing, canoe, cycling, fencing, gymnastics, judo, karate, sambo, shooting, table tennis, taekwondo, triathlon, volley ball, wrestling and “mountain bike”
- Improve data workflow and minimize data curation
  - ❖ Normalise ontology across sports
  - ❖ Engage with partners in the data food chain
  - ❖ Do not decode the black box and filter proper data
  - ❖ Process data from the (xml) source to RDF + linked data
  - ❖ Link resources (video, pictures, documents) to relevant classes
  - ❖ Integrate logging and improve best practice
- Develop partnership for a richer user interface
  - ❖ EBU Is collaborating with Perfect memory



**Baku 2015**  
1ST EUROPEAN GAMES



**EBUSPORT: CITIUS, ALTIUS, FORTIUS!**

"Faster, Higher, Stronger."

## PRELIMINARY FACTS ON MULTI-SPORT DATA

### **Baku – 30 sports with multiple disciplines: one model? YES**

- Gymnastic: acrobatic, artistic, acrobatic, rythmic, trampoline
- Basket-ball 3x3, beach soccer, beach volley, water polo, volley ball
- Athletics: field, tracks and road
- Canoe sprint
- Table tennis
- Triathlon
- Shooting
- Fencing
- Cycling: BMX, mountain bike, road
- Swimming, synchronised swimming and diving
- Judo, karate, sambo, taekwondo, wrestling, boxing

## PARTICIPANT AND TEAM LIST DIFFERENCES

Main additions from collective sports:

- Information on “current” club
  - *not enough information to create a club class*
- Uniform (short, socks, etc.) colours, name on shirt
- Coaches and officials are incorporated (can create due classes)
- Roles
- Position during the game
- Competition Group or Block

Otherwise:

- Water-polo: history of number of international games and goals (stats?)
- **Swimming: history of preceding competitions (location and results)**
- Fencing and taekwondo: qualification type

## EXAMPLE 1: THE CLUB DILEMMA

```
<Participant Code="7030000" ModificationIndicator="N" Current="true"
  FamilyName="Benitez Gavilan" GivenName="Carlos" PrintInitialName="BENITEZ GAVILAN C"
  TVInitialName="C. BENITEZ GAVILAN" PrintName="BENITEZ GAVILAN Carlos"
  TVName="Carlos BENITEZ GAVILAN" Gender="M" Height="193" Weight="96" Nationality="ARG"
  Organisation="ARG" Parent="7030000" OlympicSolidarity="N" BirthDate="19930510" Status="ACCRED"
  MainFunctionId="AA01">
  <Discipline Code="B3" InternationalFederationId="72258">
    <RegisteredEvent Gender="M" Event="400" Bib="4">
      <EventEntry Type="E_ENTRY" Code="E_CLUB_CITY" Value=""/>
      <EventEntry Type="E_ENTRY" Code="E_CLUB_NAME" Value=""/>
      <EventEntry Type="E_ENTRY" Code="E_CLUB_ORG" Value=""/>
      <EventEntry Type="E_ENTRY" Code="E_INT_GAMES_P" Value=""/>
    </RegisteredEvent>
  </Discipline>
</Participant>
```

Potentially any  
Contact e.g. Athlete  
or Official

Options supported (depends on your data!):

Option 1: event time related information on the club affiliation of the Contact

Option 2: define a key career event "clubMembership" with period of affiliation

Option 3: define a "club" and an identifiable resource and use hasAffiliation (punctual)

# MULTI-SPORT EVENTS

## Common

- medal, victory, flower ceremonies
- Final, gold and bronze finals, semi-finals, quarter-finals, Qualification Rounds (rounds, qualification contests, bout, 1/8, 1/32, 1/64 final, 5/6 & 7/8 classification), Play stages, Heats, Preliminary rounds, Repechage, Ranking

## Specific

- Play-offs (karate), Swim-offs (swimming), Re-races (canoe and Kayak), Time trials and super-final (BMX)

## Athletics

- European games (phase results / team ranking), event structure different from a world championship!

**Why add event types in properties ?**

**Extremely useful to check rapidly that each sport event structure is right!**

## EXAMPLE 2: BMX EVENTS

```
<rdf:Description rdf:about="CBW001000">
  <rdf:type rdf:resource="http://www.ebu.ch/metadata/ontologies/ebusport/ebusport#CompetitionEvent"/>
  <rdfs:label rdf:datatype="http://www.w3.org/2001/XMLSchema#string">EG 2015 - Baku, Women's BMX</rdfs:label>
  <ebusport:competitionEventDiscipline>CB</ebusport:competitionEventDiscipline>
  <ebusport:eventInternationalFederationId>CBW001000</ebusport:eventInternationalFederationId>
  <ebucore:eventName>EG 2015 - Women's BMX</ebucore:eventName>
  <ebusport:competitionEventDisciplineGender>Women</ebusport:competitionEventDisciplineGender>
  <ebusport:eventGender>Women</ebusport:eventGender>
  <ebusport:hasCompetitionEventFinal rdf:resource="http://www.ebu.ch/metadata/ontologies/ebusport/ebusport/games/eg2015#CBW001101"/>
  <ebusport:hasCompetitionEventSemiFinals rdf:resource="http://www.ebu.ch/metadata/ontologies/ebusport/ebusport/games/eg2015#CBW001200"/>
  <ebusport:hasCompetitionEvent rdf:resource="http://www.ebu.ch/metadata/ontologies/ebusport/ebusport/games/eg2015#CBW001300"/>
  <ebusport:hasCompetitionEventSuperFinal rdf:resource="http://www.ebu.ch/metadata/ontologies/ebusport/ebusport/games/eg2015#CBW001801"/>
  <ebusport:hasCompetitionEventTrial rdf:resource="http://www.ebu.ch/metadata/ontologies/ebusport/ebusport/games/eg2015#CBW001900"/>
  <ebusport:hasMedalCeremonyEvent rdf:resource="http://www.ebu.ch/metadata/ontologies/ebusport/ebusport/games/eg2015#CBW001M00"/>
  <ebusport:isSubEventOf rdf:resource="http://www.ebu.ch/metadata/ontologies/ebusport/ebusport/games/eg2015#CBW000000"/>
</rdf:Description>
```

## RESULTS

- Simple events e.g. short races -> one result per event per athlete
- Same as above but with permanent reordering e.g. downhill competitions.
- Events with trials e.g. shot put, long jump -> one result per trial
- Events with predefined target e.g. high jump -> pass/fail results
- Long runs, relays -> results at split times per athlete
- Complex events like heptathlon or decathlon -> a mix of the above plus points
- Team plays -> time based evolution of actions and results -> similar to logging

# SPORTS-ML DATA, STATISTICS AND EBUCORE

**SportsML data has been received for a test of compatibility.**

- Football, rugby, cricket
  - Logging like result data -> to be mapped into ebusport logging
  - Lots of statistics per game, team, player

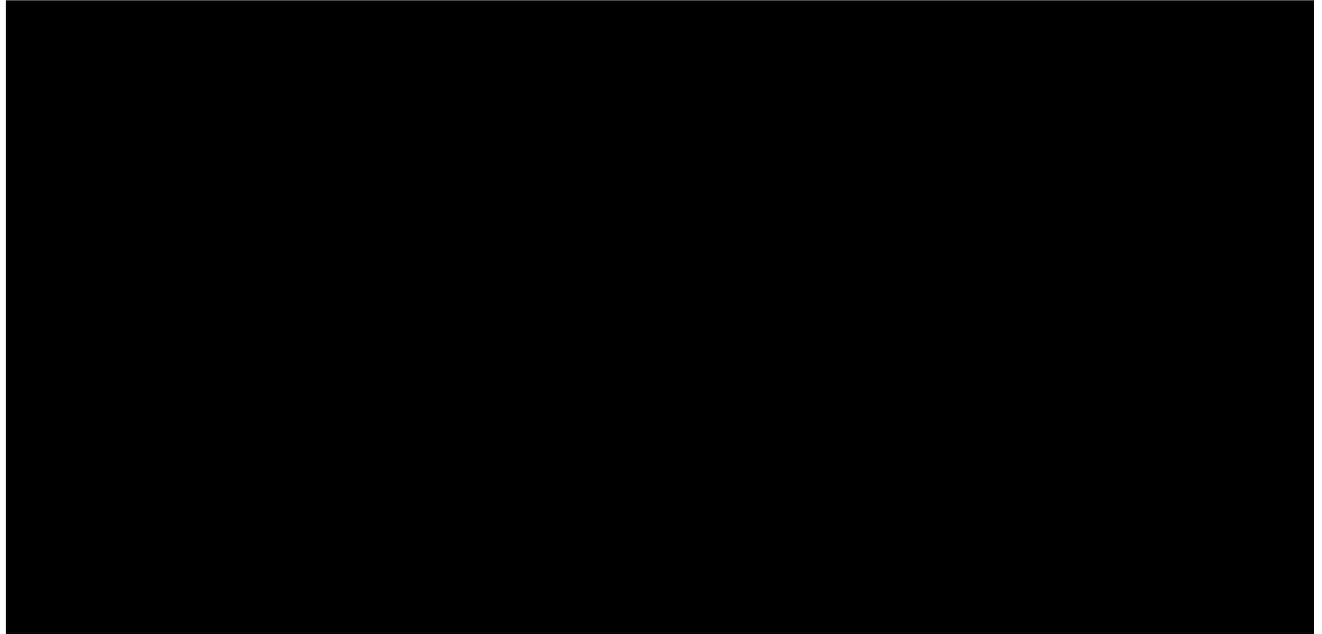
**Lots of different statistics per sport or discipline !!**

**Options to cover statistics in the ebusport ontology:**

- Option 1: extend the ontology with new properties -> heavy
- Option 2: extend the ontology with new properties in its namespace but use only in context -> better
- Option 3: extend the ontology under each sport namespace -> probably the solution and import when context requires such extensions

**TO FINISH ON A LIGHTER TOUCH...**

**THAT'S HOW YOU WATCH SPORT ON TV...**





## CONTACT INFORMATION

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