Presentation of Doremus

- Context & Objectives
- Where are we now? The state of model
- Next steps, new challenges
Context
The project partners
The project objectives

1/3

Provide cultural institutions, publishers, distributors and communities with:

- **ontologies**
- shared **multilingual controlled vocabularies**
- **methods** to publish, share, connect, contextualise, enrich catalogues of musical works and events
Build and validate learning tools enabling the deployment of standards, controlled vocabularies and technologies among the cultural institutions.
The project objectives

3/3

Build a recommender tool
The state of the model

• Description of a musical work
• Description of performances
• Description of a recording and editing
• Description of a publication

…but first, some building blocks!
The buildings blocks (1/3) Event - Work - Expression

An activity creates an Expression, which realises a Work
The buildings blocks (2/3) Events, Actors, Tools

some “tool”: object, expression…

Actor

{Martin}

Activity

used

carried out by

Work

Expression

NB: An activity is not necessarily linked with Work/Expression
The buildings blocks (3/3) Incorporating Expressions

An Expression can incorporate another Expression
A simple musical work
Description of the activity, 1

- **Time-Span**: 1821
- **Place**: Vienne
- **Actor**: Beethoven

**Expression Creation**

- **Work**
- **Self-Contd Expression**
- **Manifest Singleton**
- **P128 carries**

**Relations**:
- P4
- P7
- P14
- R18
- R17
- R19
- R3
Description of the activity, 2

Two actors for the Expression Creation activity

used

some “tool”…
PC14

E7 Activity

E55 Type
{flyer}
P14 carried out by
P14.1 in the role of
{Christian}

E21 Person
{Christian}

E55 Type
{catcher}
P14 carried out by
P14.1 in the role of
{Steven}

E21 Person
{Steven}

CRM pattern
RDF translation of the CRM pattern

PC14

E55
Type
{flyer}

E7
Activity

E55
Type
{catcher}

PC14
carried
out by

P14.1 in
the role of

has domain

P14 carried out by

PC14
carried
out by

P14.1 in
the role of

has domain

P14 carried out by

PC14
carried
out by

has range

E21
Person

{Christian}

E21
Person

{Steven}
Description of a work, 1

{ Moonlight Sonata }

{ 27 }

{ 2 }

{ Sonata }

{ C-sharp minor }

see next slide…
Description of a work, 2
Instrumental & Vocal Distribution

- **F22**: Self-Contd Expression
- **M23**: Casting Detail
- **M35**: Cast MOP
- **U13**: has intended casting
- **U23**: has casting detail
- **U1**: has intended medium of performance
- **U15**: has medium of performance
- **M6**: Casting
- **E60**: Number
  - { piano }
  - { 1 }
- **(E29)**
- **(E54)**
- **(E55/E58)**

(p67) (p69) (p43) (p91)
Description of a work, 4
Alternate Distribution + Nb Performers
Description of a work, 5
Mixing various Expressions

(A melody based on a poem)

Poem

Music

Goethe’s Nur wer die Sehnsucht kennt

Tchaikovsky’s Nur wer die Sehnsucht kennt

set text into music

(p16)
Basic construct of the performance. We generally do not have much to say about the Performance Plan, but technically, this is where we can assemble the various components of a performance, e.g. music expression, choreography, direction (mise en scène), and all the expressions involved.
Description of a performance, 2
Nesting performances

E53 Place
F31 Performance
E52 Time-Span

M28 Individual Performance
P14 carried out by
F11 Group

M31 Function

P14 consists of
M28 Individual Performance

P7
E21 Person

U31 (E55)

U31 (p2)

U27 (p16)

U31 (p2)

P9

P9

P9

P14

P14

P14

{Martin Böhm}
{conductor}
{Oeyvind Hotter}
{Don Giovanni} (E58/E55)

{Franco Pollini} {piano} {soloist} (E55)
**Responsibility**

The M32 Responsibility is different from M31 Function.
A responsibility is always associated with a MOP whereas a function is seldom linked to a MOP. Its possible values (so far) are: soloist (either instrumental or vocal) or choir singer.

(F31)

(U18 used mop of type {soprano} (E58/E55))

(M14 M.O.P)

(M32 Responsibility)

(M28 Individual Performance)

(E21 Person {Edda Moser})

(F38 Character {Donna Anna})

(P9 consists of)

(U32 had responsibility of type (p125))

(P14 carried out by (p16))

(U27 performed character of (p16))
Responsibility / Function

- F31 
  - Performance

- E21 
  - Person
    - {Lorin Maazel}
    - Function 
      - {conductor}

- M14 
  - M.O.P
    - {soprano}
      - (E58/E55)

- M32 
  - Responsibility
    - {soloist}
      - (E55)

- E21 
  - Person
    - {Edda Moser}

- F38 
  - Character
    - {Donna Anna}

U27 performed character of Individual Performance M28, carried out by M31, function of type (p16), had function of type (p2), had responsibility of type (p125), used mop of type (E55).
A performer can have both a function and a responsibility.
Specific Instrument, Maintenance

- **F31** Performance
- **M14** M.O.P: {pianoforte}
- **E22** Man-made Object: {http://xyz}
- **E21** Person: {Christian Emil}
- **M16** Maintenance: {Accord} {Tuning}
- **M28** Individual Performance: {Accordeur}

**P9 consists of**

- **E58/E55**
- **M14** M.O.P
- **E22** Man-made Object
- **M28** Individual Performance

**P16 used specific object**

- **P14 carried out by**
- **E21** Person: {Christian Emil}
- **U26** has maintained (p31)
- **P14 carried out by**
- **E21** Person: {Achille Dupond}
- **U31** had function of type (p2)
- **M31** Function: {Accordeur}
Recording

- **P1** is identified by {http://zyx}
- **P2** has type {microphone}
- **P14** carried out by {Georges Durand}
- **P16** used specific object {http://xyz}
- **P18** created
- **P20** recorded
- **P21** created
- **P26** Recording
- **P29** Recording Event
- **P31** Performance
- **U31** had function of type {Recording Engineer}
- **E21** Person
- **E22** Man-made Object
- **E29** Manifestation
- **E55** Type
- **E7** Activity
Editing

M29 Editing Event → E7 Activity

M31 Function

Person

Steve Durand

Function

Artistic Director

P14 carried out by

U31 had function of type

F26 Recording

F22 Self-Contd Expression

M24 Track

U29 edited (p16)

R21 created

M3 Order Number

Order Number

{1}

E35 Title

{abc}

M3 Order Number

Order Number

{2}

E35 Title

{xyz}

M24 Track instead of F22?

w/ M24 as a subclass of F22, more specific.
Publishing, 1: Publication expression

towards editing

M24 Track
M24 Track
M24 Track

F14 Work
is realised in
created a realisation of
created

F28 Expression Creation

F22 Self-Contd Expression

F19 Publication Work

F30 Publication Event

F24 Publication Expression

is realised in
created a realisation of
created

corporates
corporates
No F3 Manifestation Product Type!
All together now: “Nur wer die Sehnsucht kennt”
New challenges
New problems
New options
Ethnic & Traditional Musics
Ethnic musics

P9 consists of:

- “flûte”
- “ximbalu”
- “percus”

P21 had general purpose:

- “faire tomber la pluie”

E55 Type

- “faire tomber la pluie”

F14 Individual Work

F22 Self-Contained Expression

M28 Individual Performance

M28 Individual Performance

M28 Individual Performance

M24 Expression Creating Performance

M20 Music Group Formation

M6 Casting

E35 Title

Uxx used scheme

P165 incorporates

{“prière pour faire tomber la pluie”}

{“trio”}

{“flûte”}

{“ximbalu”}

{“percus”}
Music

F14 Individual Work

F28 Expression Creation

F22 Self-Contained Expression

E35 Title

{“Le baobab”}
{“Sowagoro : Ambae”}
{“prière pour faire tomber la pluie”}

P165 incorporates

F25 Performance Plan

R20 performed

R25 recorded

M28 Individual Performance

M28 Individual Performance

M28 Individual Performance

F31 Performance

F29 Recording Event

F26 Recording

…towards publication

{“flûte”}  {“ximbalu”}  {“percus”}
Text & Music
Text & Music (who is first?), 1

(A melody based on a poem)

Poem

Music

Goethe’s Nur wer die Sehnsucht kennt

Tchaikovsky’s Nur wer die Sehnsucht kennt

set text into music (p16)
Text & Music (who is first?), 2

(A “timbre”, text set into an existing music)

Music

Text

created a realisation of

created a realisation of

created

is realised in

is realised in

created

set music into text

Traditional Marlborough s’en va-t’en guerre

Anonymous Le triomphe de l’ignorance

F14 Work

F28 Expression Creation

F22 Self-Contd Expression

F14 Work

F28 Expression Creation

F22 Self-Contd Expression
Controlled Vocabularies
Existing controlled vocabularies

- Musical Genres: AIBM
- Ethnical Groups: RAMEAU
- Persons Functions: MARC
- Persons: ISNI
- Medium of Performance: MIMO, RAMEAU, AIBM

Doremus, works and musical events
Controlled vocabularies for medium of performance

BnF (adapted AIBM)
Philharmonie (MIMO)
Radio France 1
Radio France 2
Radio France 3

Rameau
AIBM
MIMO

Library of Congress
DNB
BN España
en.wikipedia
en.dbpedia
wikidata
musicBrainz

Aligned 2 by 2
When multilingual controlled vocabularies are lacking, they are created as part of the Doremus project.