Tutorial IAML 2016

The DOREMUS Model
A 3mn crash course on FRBR
Remember the index card?
The good ol’ index card?

The index cards carried a lot of information:

• described on 3 cards, filed alphabetically under its title, author and subject.
• generally contained author name, book name, publisher and date, location in the library…
The bad bad index card?

What the index cards did not tell us about:

- other books by the same author
- other publications of the same book
- translations of the book
- other resources about the book, or referring to the book, or derived from it, or influenced by it...
- etc…
FRBR’s four levels

WORK

EXPRESSION

MANIFESTATION

ITEM
In the bibliographic catalogue

<table>
<thead>
<tr>
<th>Author</th>
<th>Kazantzakis, Nikos, 1883-1957</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uniform Title</td>
<td>O Christos xanastauronetai (English)</td>
</tr>
<tr>
<td>Main Title</td>
<td>The greek passion / by Nikos Kazantzakis ; translated by Jonathan Griffin</td>
</tr>
<tr>
<td>Imprint</td>
<td>New York : Simon and Schuster, 1954</td>
</tr>
<tr>
<td>Description</td>
<td>432 p. ; 21 cm</td>
</tr>
<tr>
<td>Other author</td>
<td>Griffin, Jonathan.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th>Shelf number &amp; volume</th>
<th>Loan period</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Book Collection (entrance floor)</td>
<td>PAA.KAZ2.CHR</td>
<td>30 DAYS</td>
<td>DUE 03-06-15</td>
</tr>
</tbody>
</table>
What is a work?

According to FRBR-LRM (draft):

“A work is an abstract entity that permits the identification of the commonality of content between and among various expressions”.

Don’t overthink works!
What is an Expression?

According to FRBR-LRM (draft):

“An expression is a distinct constellation of signs of any form or nature intended to convey intellectual or artistic content and identifiable as such”.

An expression is the specific intellectual or artistic form that a work takes each time it is realised.”
Work and Expressions

- Work
  - Shakespeare’s Hamlet

- Expression
  - Shakespeare’s Hamlet @en

- Expression
  - Shakespeare’s Hamlet @fr
A brief introduction to FRBRoo
FRBRoo is derived from FRBRer,

FRBRoo is an extension of the CIDOC CRM model,

It is a dynamic model, allowing for the description of processes instead of results.
An activity created an Expression, which is the realisation of a Work.
An Expression can incorporate another Expression
THE BUILDING BLOCKS (3/3)

- P1 is identified by: identification / appellation
- P2 has type: categorisation
- P3 has note: extensive description
- P16 used specific object: an event used an object (in a broad sense: an expression is an “object”)
- P67 refers to: referring to something else
FRBROO’S COMPLEX WORK

Has member

Complex Work

Has member

“Nuits d’Été
H. Berlioz”

Individual Work

Expression Creation

Created a realisation of

Individual Work

Self-Contd Expression

Expression Creation

Created

Self-Contd Expression

Expression Creation

Created

Expression Creation

Has title

Has medium of performance

Title

MoP

“Nuits d’Été”

“Voice”

“Piano”

MoP

“Nuits d’Été”

“Voice”

“Orchestra”
Beethoven, Ludwig van (1770-1827)
forme internationale
[Concertos. Piano, orchestre. No 5. Op. 73. Mi bémol majeur]

Genre musical : %{msg('VV.GenreMusical.co ')}

Date de l'oeuvre : 1809

Dédicace à l'archiduc Rodolphe de Habsbourg. - Date de composition : 1809. - 1re éd. : Leipzig : Breitkopf & Härtel, 1811

Distribution musicale : clavier - piano (1) (solo), orchestre - orchestre symphonique XIXe-XXe s. (1)

Forme(s) rejetée(s) :
< [L'Empereur (Concerto)]

Forme(s) associée(s) :
<< Fait partie de : Beethoven, Ludwig van (1770-1827). [Concertos. Piano, orchestre]

Source(s) :
Kinsky et Halm
Grove 7
000 00669c0 au22000272 45
001 FRBNF139082450
008 890821130711yy co 1809 1
048 .. $b ka01 $a oo01
100 .. $3 13891295 Sw ..0..b..... $a Beethoven Sm Ludwig van $d 1770-1827
144 1. $w ...b.fre. $a Concertos Sb Piano, orchestre $n No 5 $p Op. 73 $t Mi bémol majeur
444 1. $w ...b.fre. $a L'Empereur $e Concerto
502 .. $3 13908109 Sa Beethoven $m Ludwig van $d 1770-1827 $t [Concertos. Piano, orchestre]
600 .. $a Dédicace à l'archiduc Rodolphe de Habsbourg $a Date de composition : 1809 $a 1re éd.
: Leipzig : Breitkopf & Härtel, 1811
610 .. $a Kinsky et Halm
610 .. $a Grove 7
917 .. $o OPC $a 100366670
917 .. $o OPD $a 100056980 $b ATUM
996 .. $o OPP $a 14785161 Sd 20061017
996 .. $o OPP $a 16302637 Sd 20130711

http://catalogue.bnf.fr/ark:/12148/cb13908245k.intermarc
Informations about the creation of the Expression are described at the Event level.
DESCRIBING A MUSICAL WORK

Event ➔ Work ➔ Expression ➔ Title ➔ Opus ➔ Genre

created a realisation of

is realised in

created

Static informations are described at the Expression level

Title

“Concerto pour piano et orchestre nr 5, op 73, en mi b majeur”

Title

“Concerto Emperor”

Opus

Opus 73

Genre

“Concerto”
DESCRIPTING A MUSICAL WORK

Title: “Concerto Emperor”

Expression

Casting

has title

has casting

alternate casting

Casting

has detailed casting

Detailed Casting

has cast mop

Cast MOP

has mop

MOP

Type

“solo”

MOP

“piano”

Number

“1”

Number

“1”

“orchestra”
000 00953c0 au22000272 45
001 FRBNF139081882
008 890821130211yy sn 1801 010
048 .. $a ka01
100 .. $3 13891295 Sw .0..b..... $a Beethoven $m Ludwig van $d 1770-1827
144 1. $w ....b.fre. $a Sonates $b Piano $p Op. 27, no 2 $p St $d Do dièse mineur
144 1. $w ....b.fre. $a Sonates $b Piano $n No 14 $p St $d Do dièse mineur
144 1. $w ....b.ita. $a Quasi una fantasia $p Op. 27, no 2 $e Sonata
144 1. $w ....b.ita. $a Sonata quasi una fantasia $p Op. 27, no 2
144 1. $w ....b.eng. $a Moonlight sonata
144 1. $w ....b.fre. $a Clair de lune $e Sonata
144 1. $w ....b.ger. $a Mondschein-Sonate
144 1. $w ....b.fre. $a Sonate au clair de lune
144 1. $w ....b.fre. $a Sonate Clair de lune
502 .. $3 14017453 Sa Beethoven $m Ludwig van $d 1770-1827 $t [Sonates (2). Op. 27]
600 .. $a Dédicace à la comtesse Giulietta Giucciardi $a Date de composition : 1801 $a 1re éd. :
Vienne : Cappi, 1802
610 .. $a Kinsky
610 .. $a Grove 7
917 .. $o OPC $a 100366020
917 .. $o OPD $a 100087890 $b ATUM
996 .. $o OPP $a 14786691 Sd 20060411
996 .. $o OPP $a 16305693 Sd 20130211

http://catalogue.bnf.fr/ark:/12148/cb13908188k.intermarc
DESCRIBING A MUSICAL WORK

Work

created a realisation of

Event

Expression

is realised in

created

Title

“Sonate pour piano nr 14, op 27 nr 2, en ut dièse mineur”

Opus

Opus Number

“27”

Opus Subnumber

“2”

Dedication

has note

CRM Entity

is dedicated to

“Giulietta Giucciardi”

String

“dédicace à la comtesse Giulietta Giucciardi”
Describing a work’s components

The description of the first movement of Beethoven's Concerto for Piano nr. 5
Describing a simple work
(a recap of the previous slides)
PERFORMANCES, RECORDINGS, PUBLICATIONS

A CD is a publication incorporating a recording of the performance of a musical work.
Rappel de la demande : 1 notices bibliographiques sélectionnées
Forme : Notices complètes sans exemplaire
Format : Intermarc

Notice bibliographique
000 01458n0 m 2200027 45g
001 FRBNF3844283700000006
008 911002s 1991 ..... frzx b 001
009 ge x 1 kz
028 .. $e EMI classics $a 2536554 $c Boîte $d PM 451
038 .. $a 5099925365542
044 .. $g b19910912 $f c1967
048 0 .. $a ka
100 .. $3 13891295 Sw 0 0 0 $a Beethoven Sm Ludwig van $d 1770-1827 $4 0220
144 0 .. $3 13908155 Sw ......b.fre. $a Sonates $b Piano $p Op. 13 $t Do mineur
245 1 .. $a Sonate n ° 8, op 13 "Pathétique" $d Enregistrement sonore $b Sonate n ° 14, op 27
"Clair de lune" $b Sonate n ° 23, op 57 "Appassionata" $f Beethoven $j Daniel Barenboim, p
260 2 .. $a Issy-les-Moulineaux $c EMI music France $a St Ouen l'Aumône $c distrib. EMI music
France $d 1991 (DL)
280 .. $a 1 cass audio $c Dolby, Cr02 $e [1] f de dépil
300 .. $a London : prod. EMI records Ltd, P 1967
314 2 .. $p gb $a Londres $d 19660900
323 .. $a Notice / Roubinet, Michel
640 1 .. $a 10909 $b 10900
700 .. $3 13891295 Sw 0 0 0 $a Beethoven Sm Ludwig van $d 1770-1827 $2 01 $4 0220
700 .. $3 13891295 Sw 0 0 0 $a Beethoven Sm Ludwig van $d 1770-1827 $2 02 $4 0220
701 .. $3 13891158 Sw 0 b $a Barenboim $m Daniel $d 1942 .... $4 1560
723 .. $3 13936485 Sw b $a EMI classics
730 .. $3 13889559 Sw 0 b $a EMI music France $4 3250
731 .. $3 13889559 Sw 0 b $a EMI music France $4 3210
732 .. $3 13888287 Sw 20 b $a EMI records Ltd $4 3160
744 .. $3 13908223 Sw ......b.fre. $a Sonates $b Piano $p Op. 57 $t Fa mineur $2 01
744 .. $3 13908188 Sw ......b.fre. $a Sonates $b Piano $p Op. 27, no 2 $t Do dièse mineur $2 02
748 .. $a Sonate n ° 14, op 27 "Clair de lune"
748 .. $a Sonate n ° 23, op 57 "Appassionata"
917 .. $o OPC $a 003574320

http://catalogue.bnf.fr/ark:/12148/cb384428371.intermarc
THE PERFORMANCE PLAN (1/3)

A simple example: one (or more) musical work(s) and no information regarding any specific “plan”. This could be e.g. the live performance of a song. Do we need a Performance Plan?
THE PERFORMANCE PLAN (2/3)

For this very usual case, FRBRoo provides a shortcut.

r19 created a realisation of r17 created

r9 is realised in r66 included performed version of

r12 is realised in

p125 performed

p165 incorporates

Musical Work
The performance plan allows for modelling any information that is not described in the performance: stage setting, choreography, specific intention (e.g. “unplugged” or “historically informed performance”).
Describing a concert program

**Context**

**BEETHOVEN/CHOSTAKOVITCH**

Face au pouvoir
Du vendredi 21 au jeudi 27 janvier 2005

**Work**

Ludwig van Beethoven (1770-1827)
Concerto pour piano n° 5 en mi bémol majeur, op. 73
“L’Empereur”
Allegro
Adagio un poco mosso. Attacca.
Rondo. Allegro

Dmitri Chostakovitch (1906-1975)
Symphonie n°12 en ré mineur, op. 112 « L’Année 1917»
Petrograd révolutionnaire. Moderato-Allegro. Attacca
Razliv. Allegro (L’istesso tempo)-Adagio. Attacca
“Aurora”. L’istesso tempo-Allegro. Attacca
Aube de l’Humanité. L’istesso tempo-Allegretto

**Place**

Salle des concerts

**Time-Span**

Samedi 22 janvier - 20h
DESCRIBING A PERFORMANCE

**Musical work**

- **F28 Expression Creation**
- **F22 Self-Contd Expression**
- **F14 Individual Work**
- **F20 Performance Work**
- **F28 Expression Creation**
- **E35 Title**
- **M2 Opus Statement**
- **M5 Genre**
- **M12 Opus Number**
- **F25 Performance Plan**
- **F31 Performance**

- r19 created a realisation of
- r17 created
- p165 incorporates
- r19 created a realisation of
- r17 created
- p125 performed
- r12 is realised in

**Concerto pour piano no 5 en mi bémol majeur op. 73, “L’Empereur”**

“concerto”

“73”
The global performance F31 forms part of another activity (a series of concerts with a common theme: “Face au pouvoir”).
The global performance F31 consists of other performances: Group performances (orchestra) and Individual Performances.

- **Group Performances (Orchestra)**
  - Conductor: Janos Furst
  - Orchestre Symphonique de Budapest

- **Individual Performances**
  - Soloist: Deszö Ranki
  - Medium of Performance: Piano
An Individual Performance can carry numerous descriptions. The description of a performed character is relative to the performer therefore it is linked to the M28 Individual Performance.

**DESCRIBING A PERFORMANCE**

- **F31 Performance**
  - p9 consists of
  - **M28 Individual Performance**
    - p14 carried out by
    - **E21 Person** “Janos Fürst”
    - **M31 Function** “conductor”
    - u31 had function
  - **M32 Responsibility** “soloist”
  - **M14 Medium of Performance** “soprano”
  - **Character** “Tosca”
  - u32 had responsibility
  - u18
  - **F31 Performance**
    - p9 consists of
The creation of costumes is incorporated in the Performance Plan. The created Expression is used by a Production Event, producing the costume made for the Performance of Maria Callas performing Tosca.
A performance may use a specific (unique) instrument, e.g. from the collection of a museum. We may also want to describe the tuning of the instrument, through the activity M16 Maintenance.
Publishing, 1: Publication expression

towards editing

M24 Track

M24 Track

M24 Track

created a realisation of

F19 Publication Work

F19 created a realisation of

r19 created a realisation of

F28 Expression Creation

F28

r9 is realised in

F14 Work

r17 created

F22 Self-Contd Expression

Booklet

is realised in

F24 Publication Expression

created

F30 Publication Event

created a realisation of

p165 incorporates

p165 incorporates
The item is produced by a production activity: **F32 Carrier Production Event**.

This activity uses the F24 Publication Expression, (i.e. a set of signs provide by the publisher, to be carried by all the produced items).

The F30 Publication Event created not only the Publication Expression, but also a procedure, used by the F32 Carrier Production Event.