

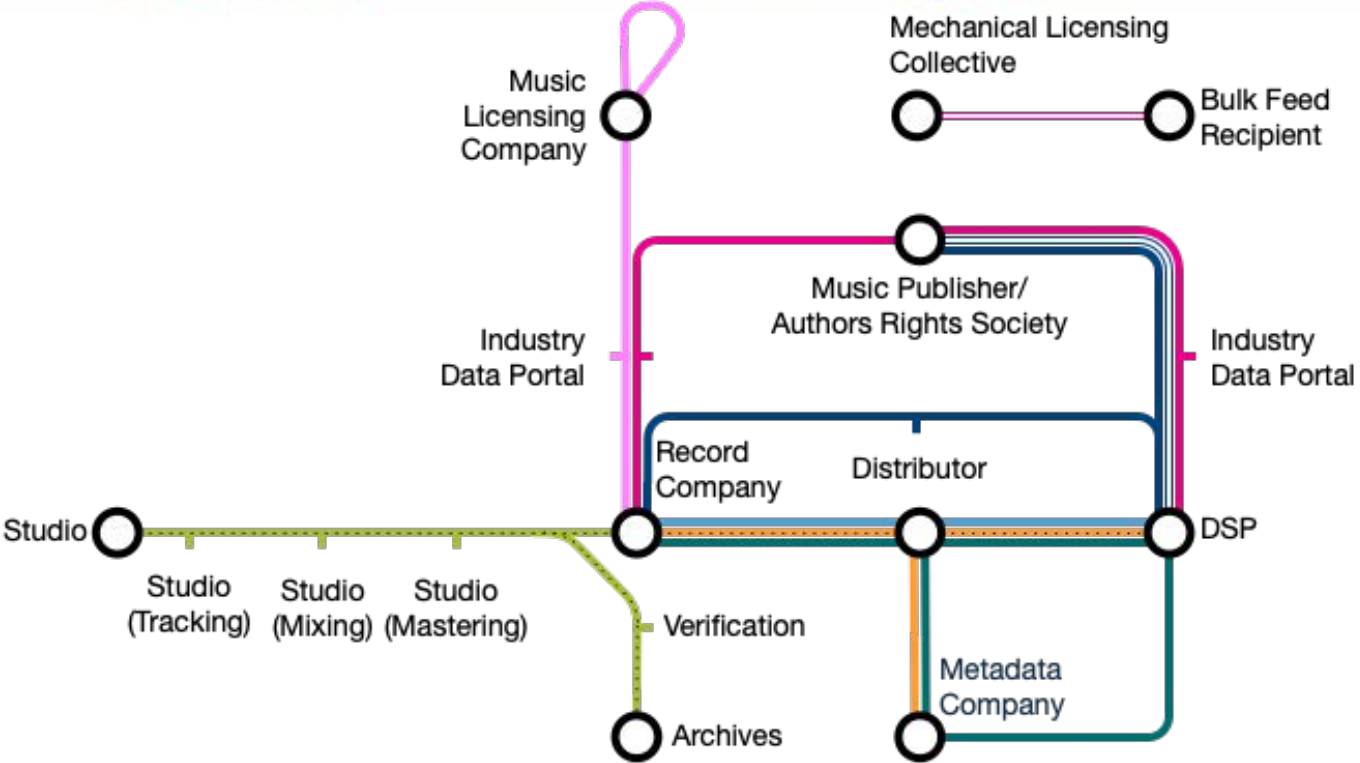
# Digital Data Exchange (DDEX)

## Recording Information Notification (RIN)

May 2024

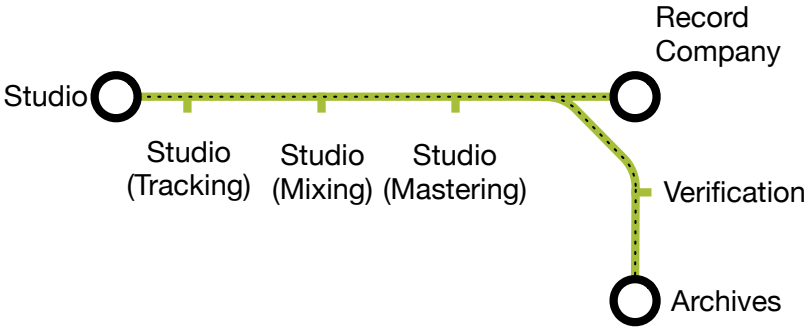


# DDEX standards



Electronic Release Notification Message Suite (ERN)	Orange line	Musical Work Notification and Licensing (MWN/MWL/LoD)	Pink line
Media Enrichment and Description (MEAD)	Teal line	Bulk Communication of Work and Recording Data (BWARM)	Light pink line
Party Identification and Enrichment (PIE)	Dark teal line	Recording Data and Rights (RDR-N, RDR-R and RDR-C)	Magenta line
Catalogue Transfers	Blue line	Recording Information Notification (RIN)	Light green line
Digital Sales Reporting Message Suite (DSR)	Dark blue line	Delivery of binaries (as part of another message)	Dotted line
Claim Detail Message Suite (CDM)	Light blue line		

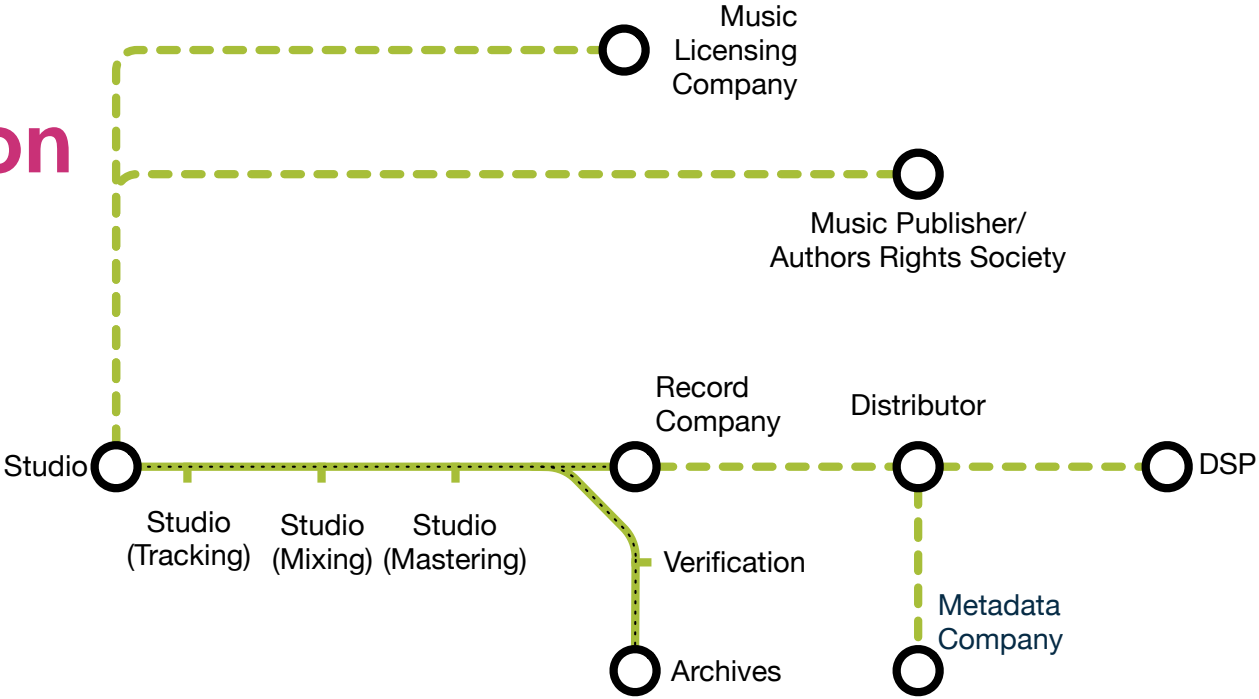
# Recording Information Notification



Recording Information Notification (RIN) ———

Delivery of binaries (as part of another message) - - - - -

# Other RIN communication routes



Recording Information Notification (RIN) ———

Other RIN communication routes - - - -

Delivery of binaries (as part of another message) ·····

# Recording Information Notification

- Collecting content metadata
  - At source
  - At the time
- Without good data
  - Consumers can't buy
  - Musicians/engineers won't get paid or credited



# Describing a recording session



# Describing a recording session



# Describing a recording session

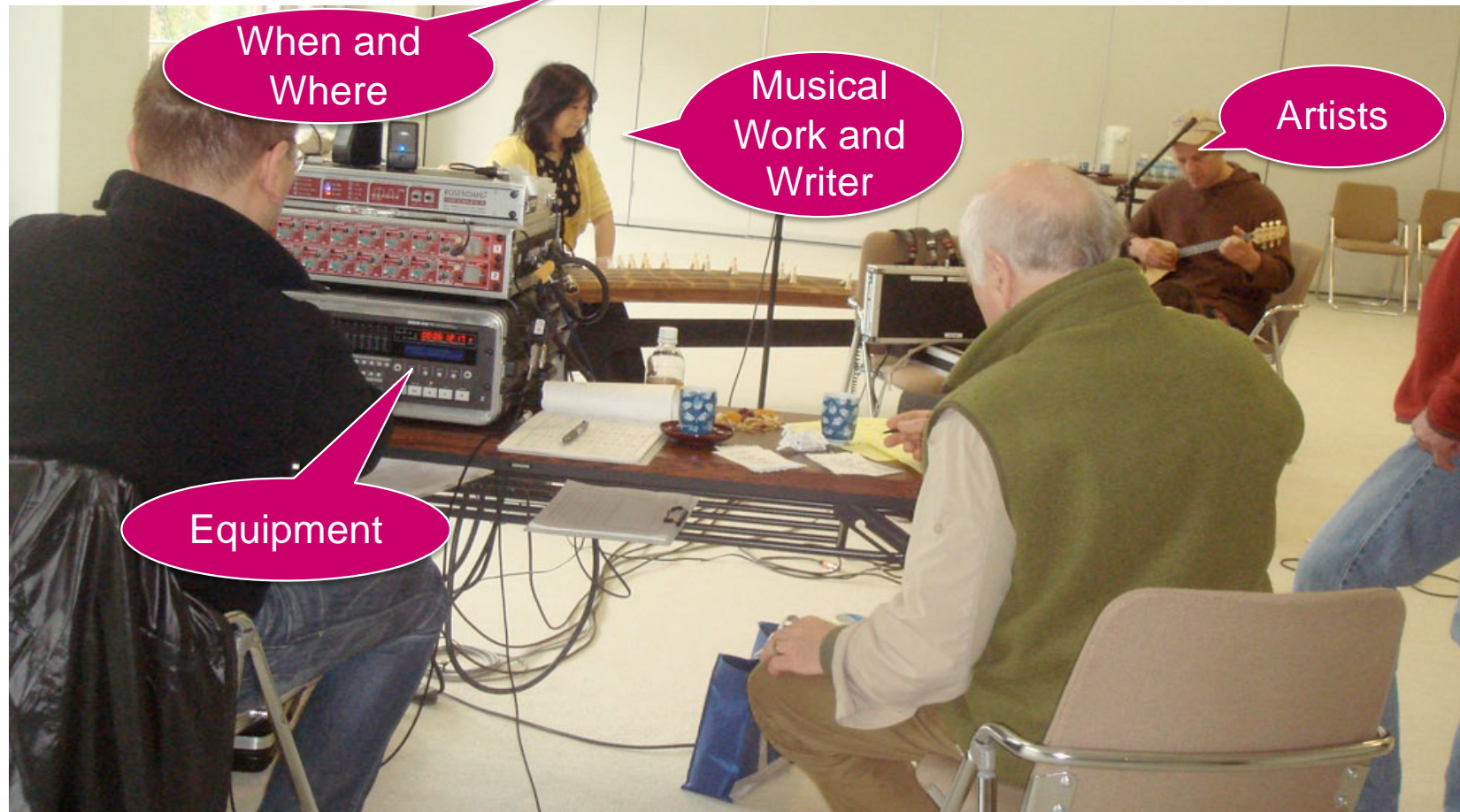




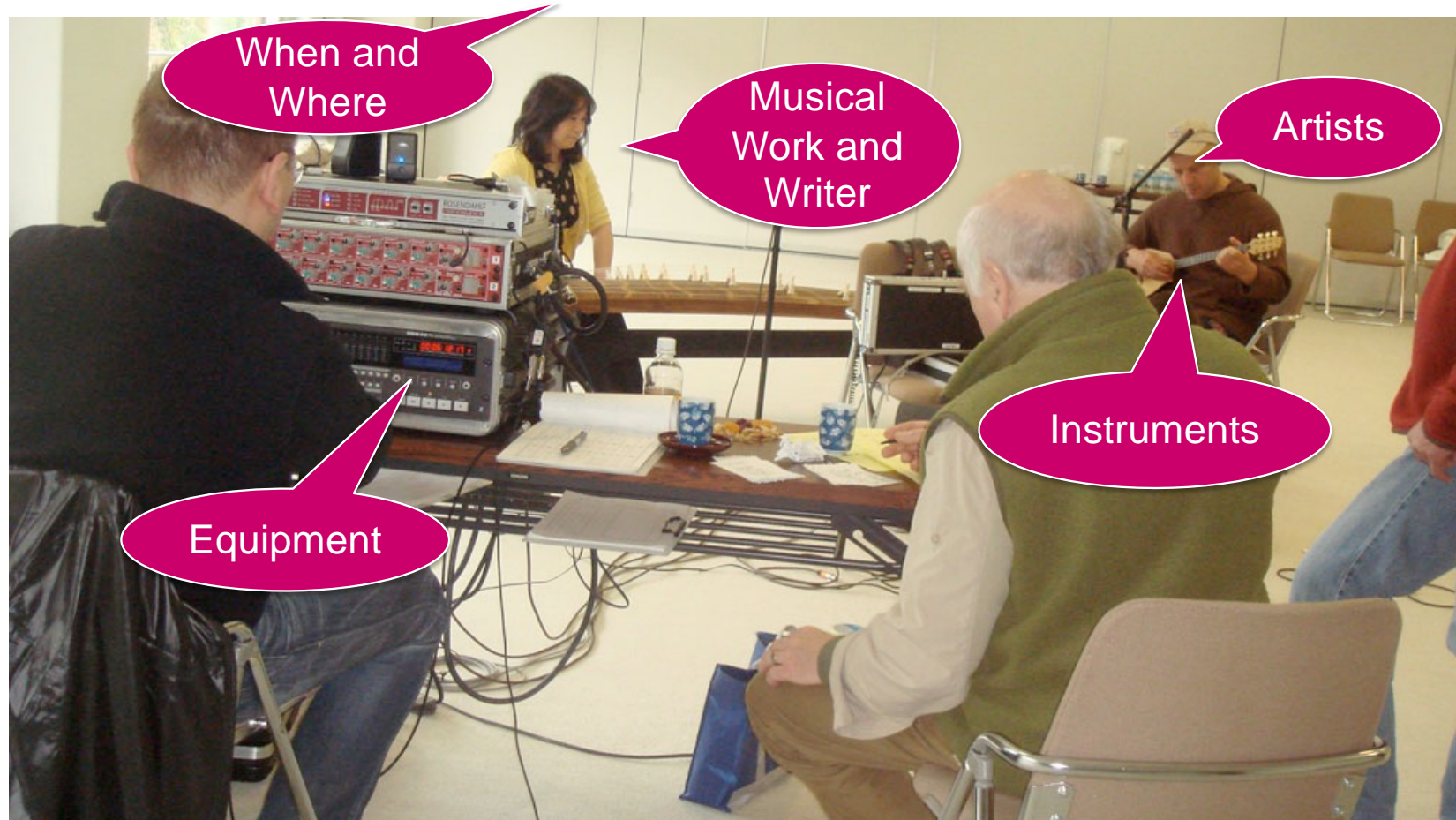
# Describing a recording session



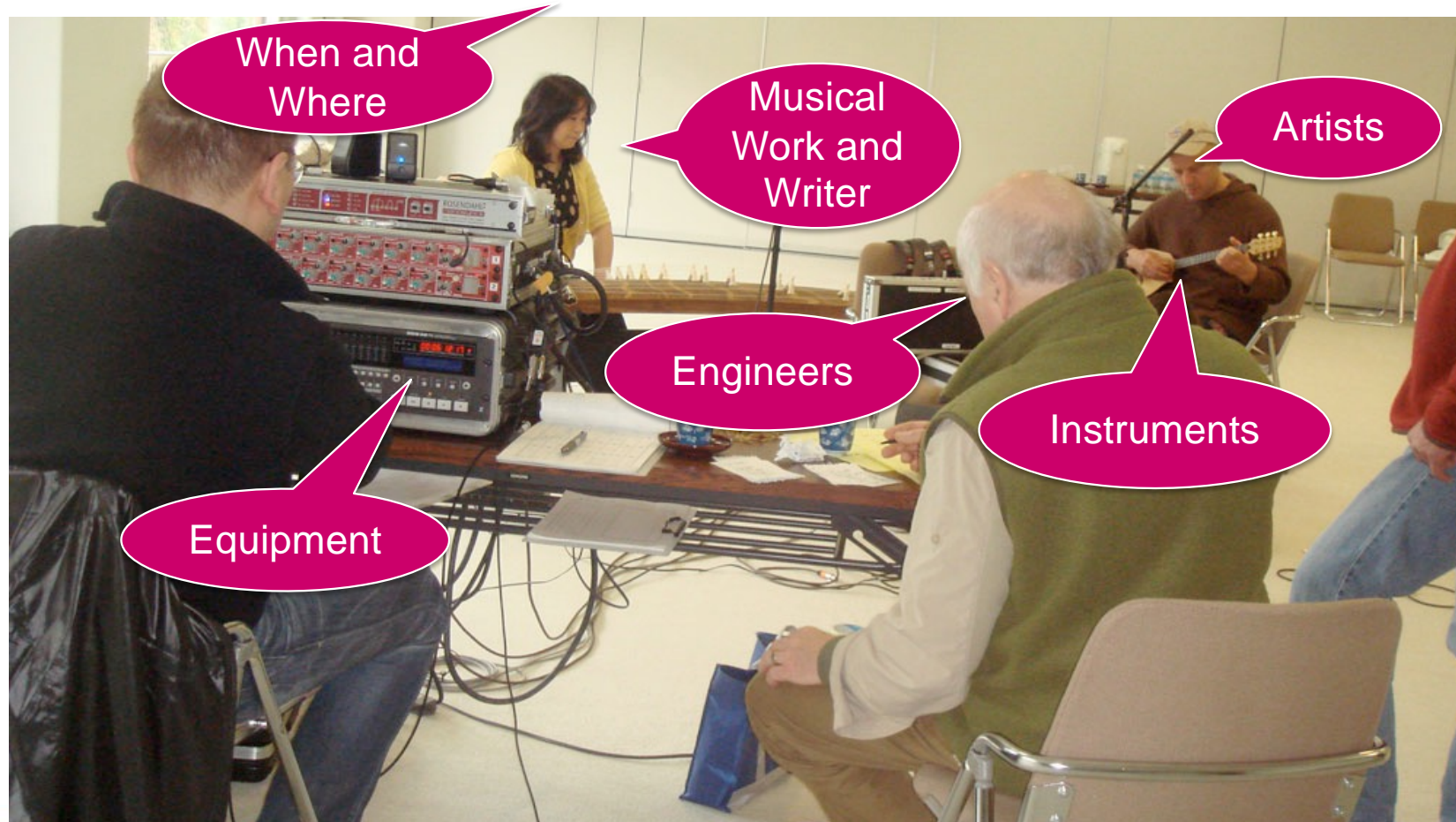
# Describing a recording session



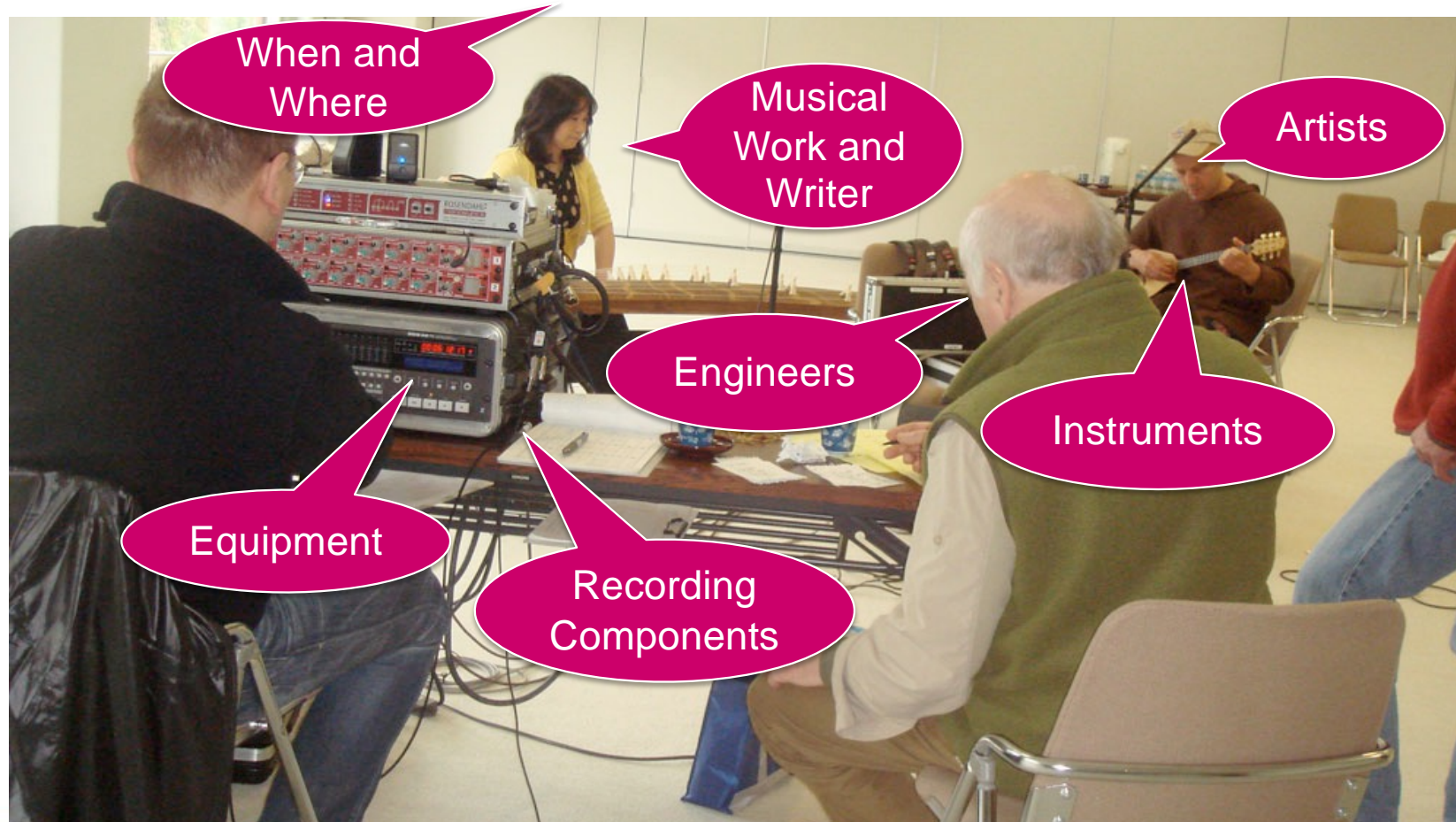
# Describing a recording session



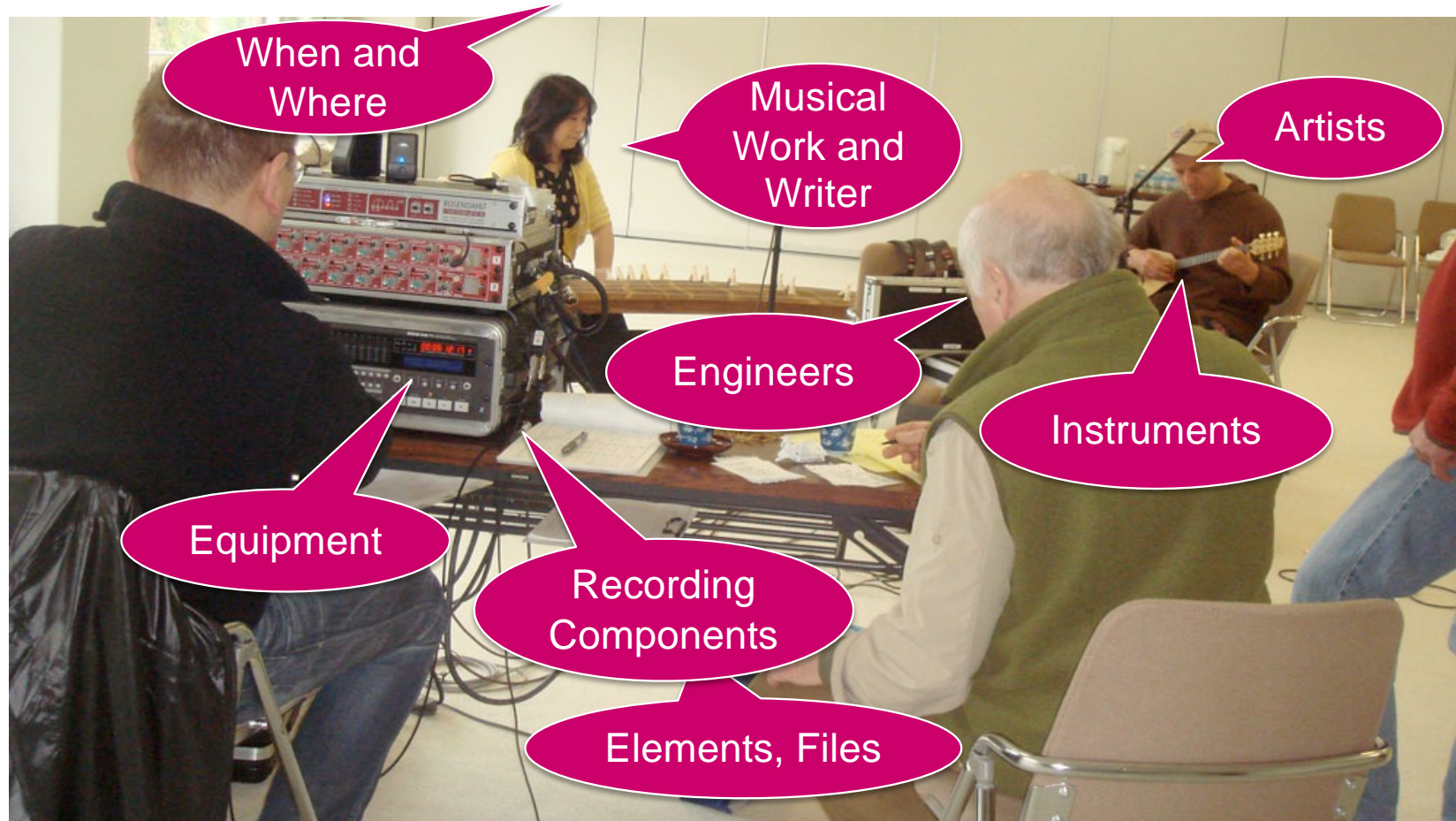
# Describing a recording session



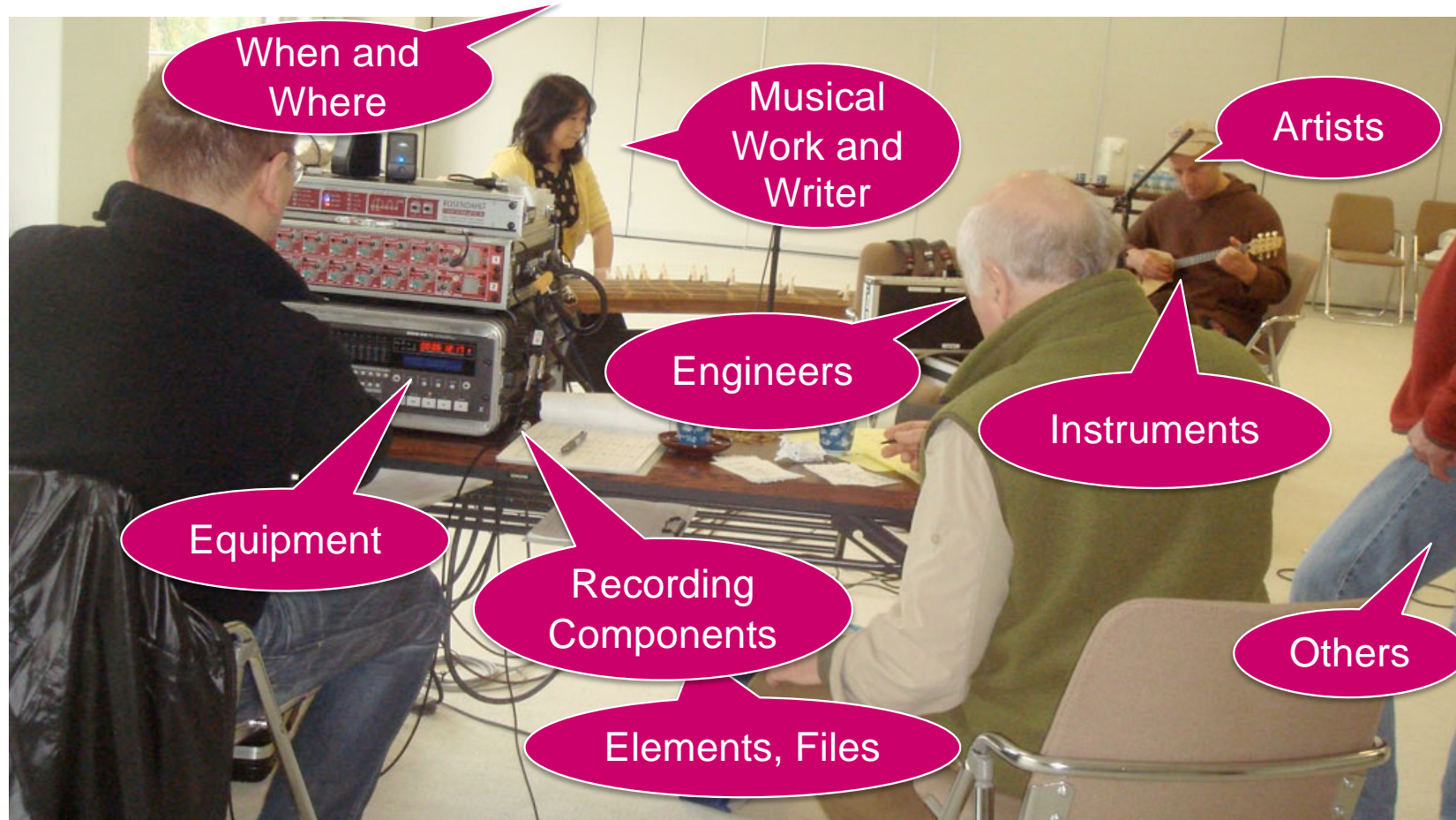
# Describing a recording session



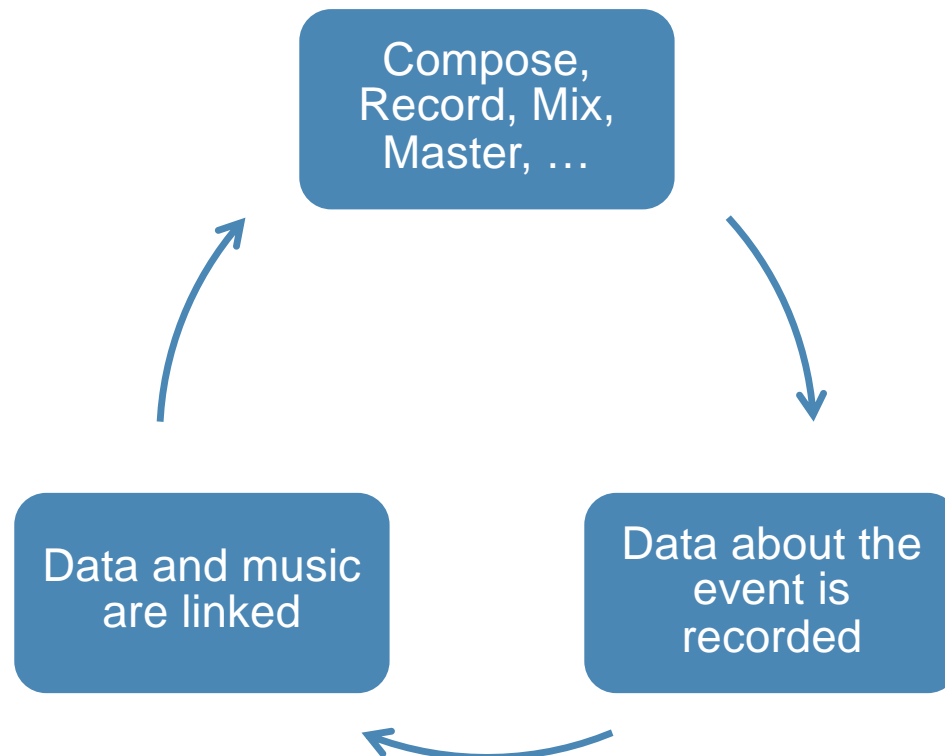
# Describing a recording session



# Describing a recording session

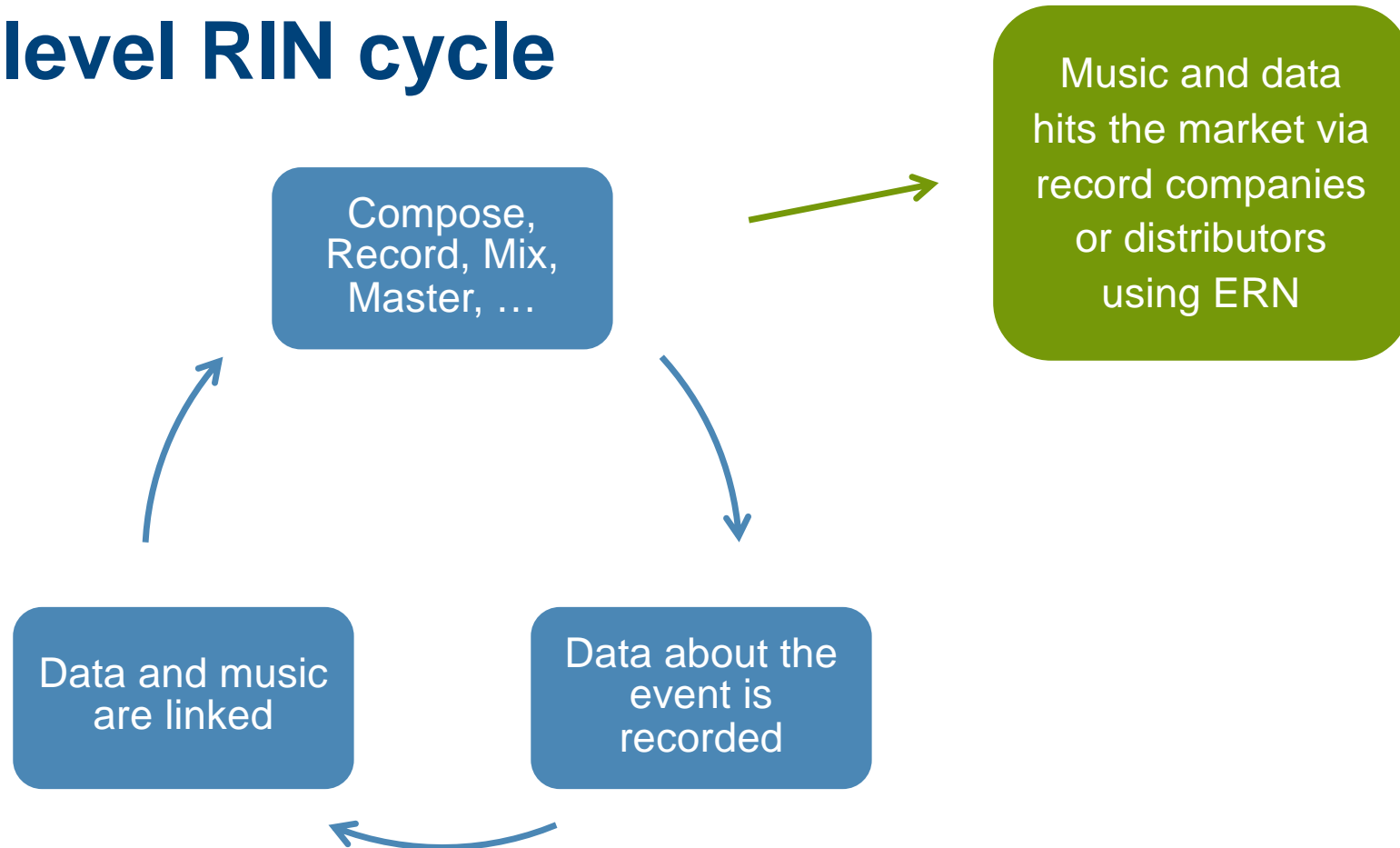


# High-level RIN cycle

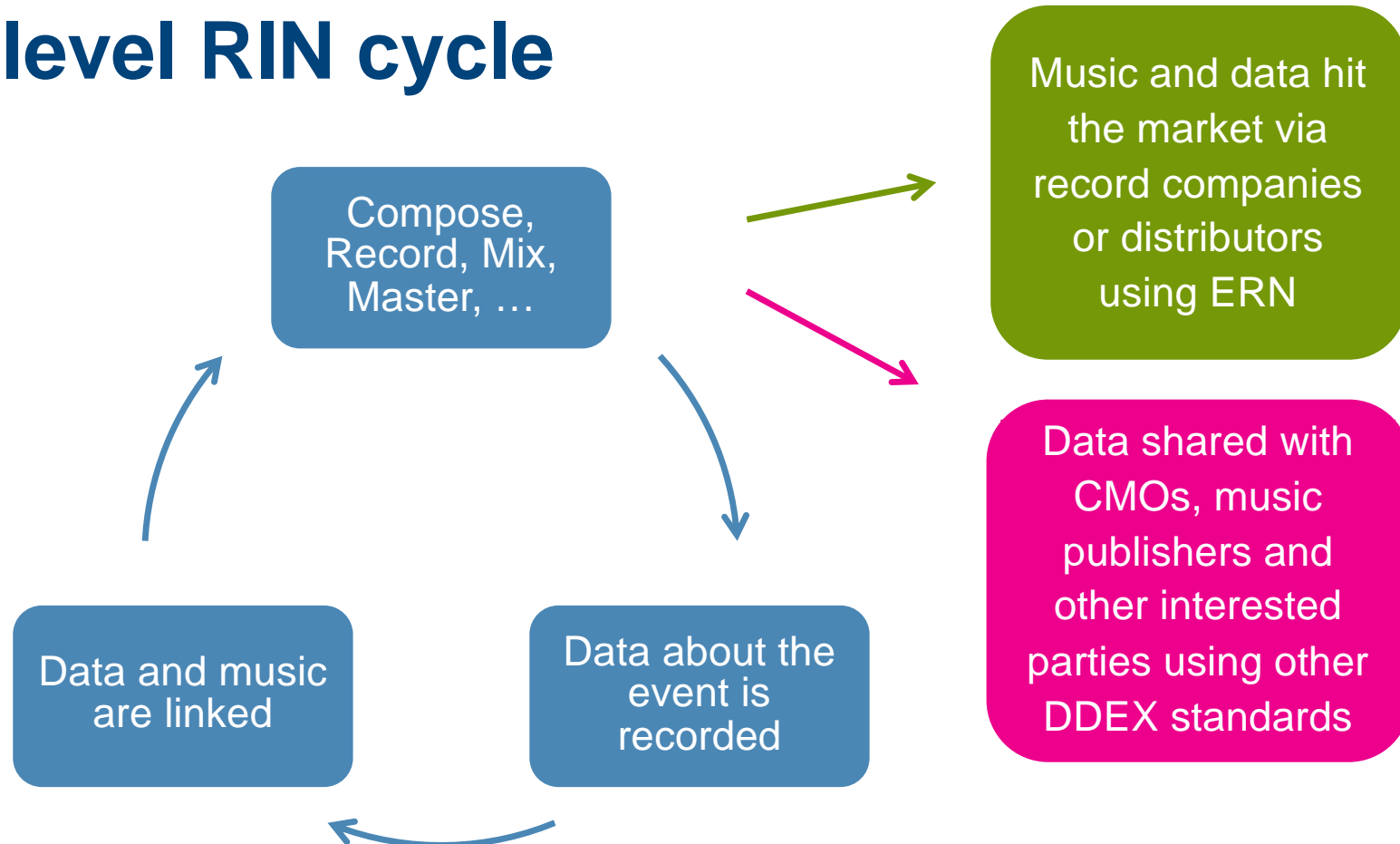




# High-level RIN cycle



# High-level RIN cycle



## RIN – a DDEX standard



- Synergy of common tags with all DDEX standards (including ERN and RDR)
  - Enables data to be supplied to various companies in the supply chain
  - Supports Unicode characters

# How much data is needed?

- RIN users can add as much information as they wish/want
  - Takes
  - Mixing sessions
  - Recording sessions
  - Mastering sessions
  - ...



# How much data is needed?

- RIN users can add as much information as they wish/want
  - Takes
  - Mixing sessions
  - Recording sessions
  - Mastering sessions
  - ...



Elton John  
played piano on  
The Hollies' "He  
ain't Heavy"

# How much data is needed?

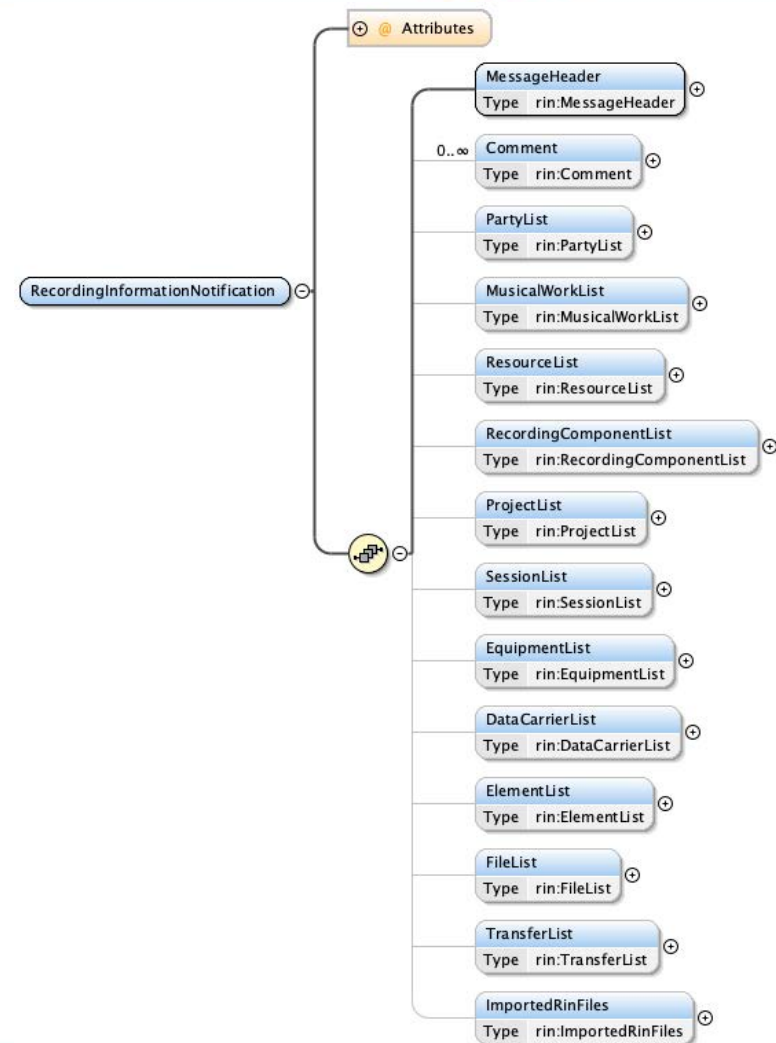
- RIN users can add as much information as they wish/want
  - Takes
  - Mixing sessions
  - Recording sessions
  - Mastering sessions
  - ...



In 30 years you want to be known to have played the piano on track X

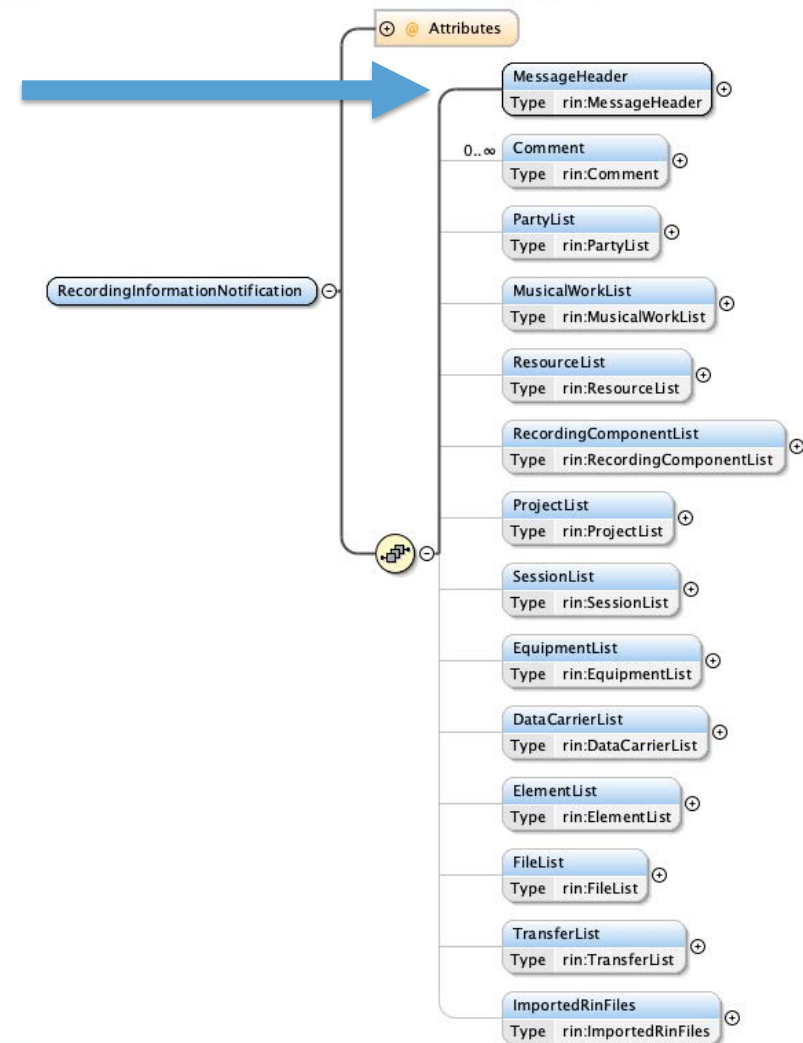
# RIN content

- Version 2.1 published in May 2022
  - Message structure virtually the same as in 1.1
  - Data exchange significantly different



# RIN content

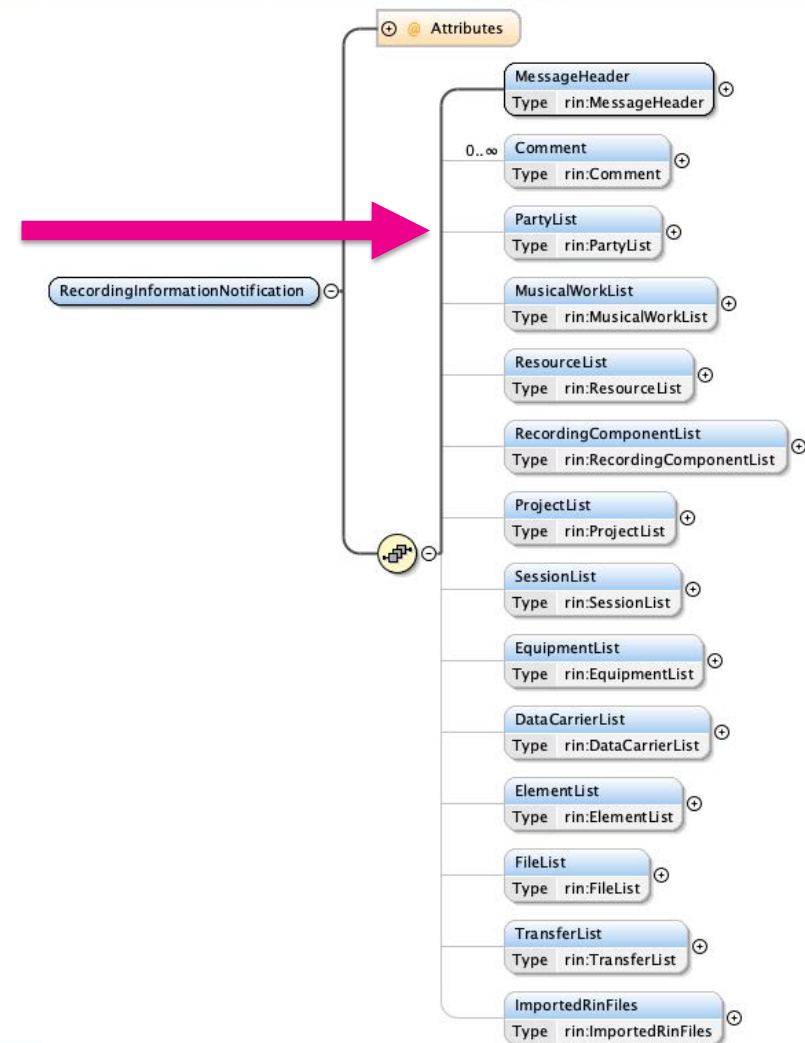
- MessageHeader
- Contains
  - Message ID
  - Sender, recipient
  - Timestamp
  - RIN processor (name and version)
  - Link to previous RIN message





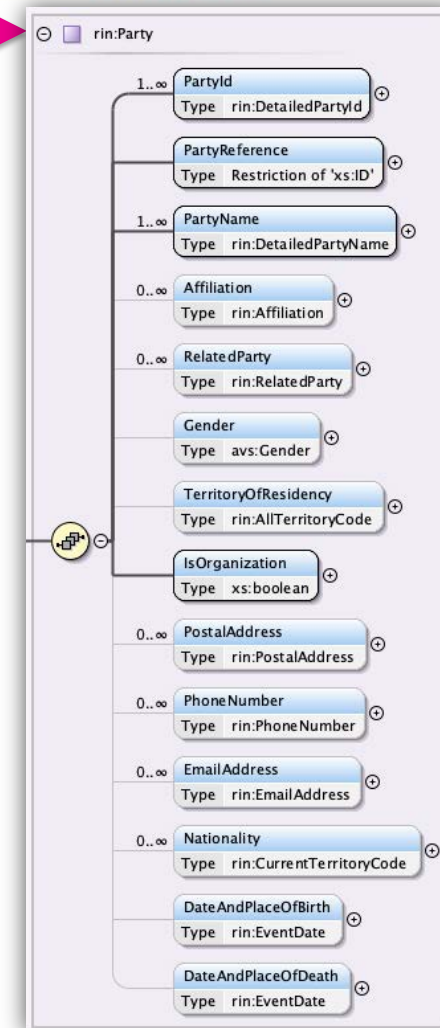
# RIN content

- Parties
  - Writers
  - Musicians
  - Engineers
  - Technicians
  - Anyone in the studio
  - Commissioning record company
  - Music publishers



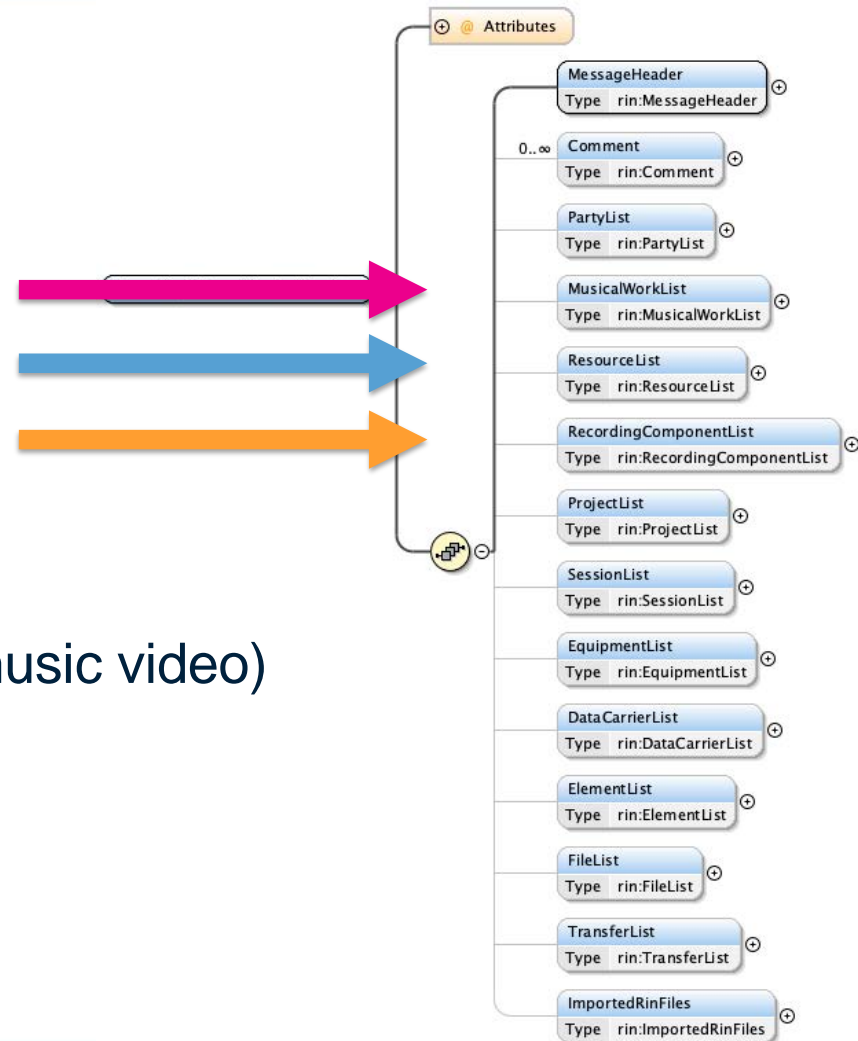
# RIN content

- Parties
  - Writers
  - Musicians
  - Engineers
  - Technicians
  - Anyone in the studio
  - Commissioning record company
  - Music publishers



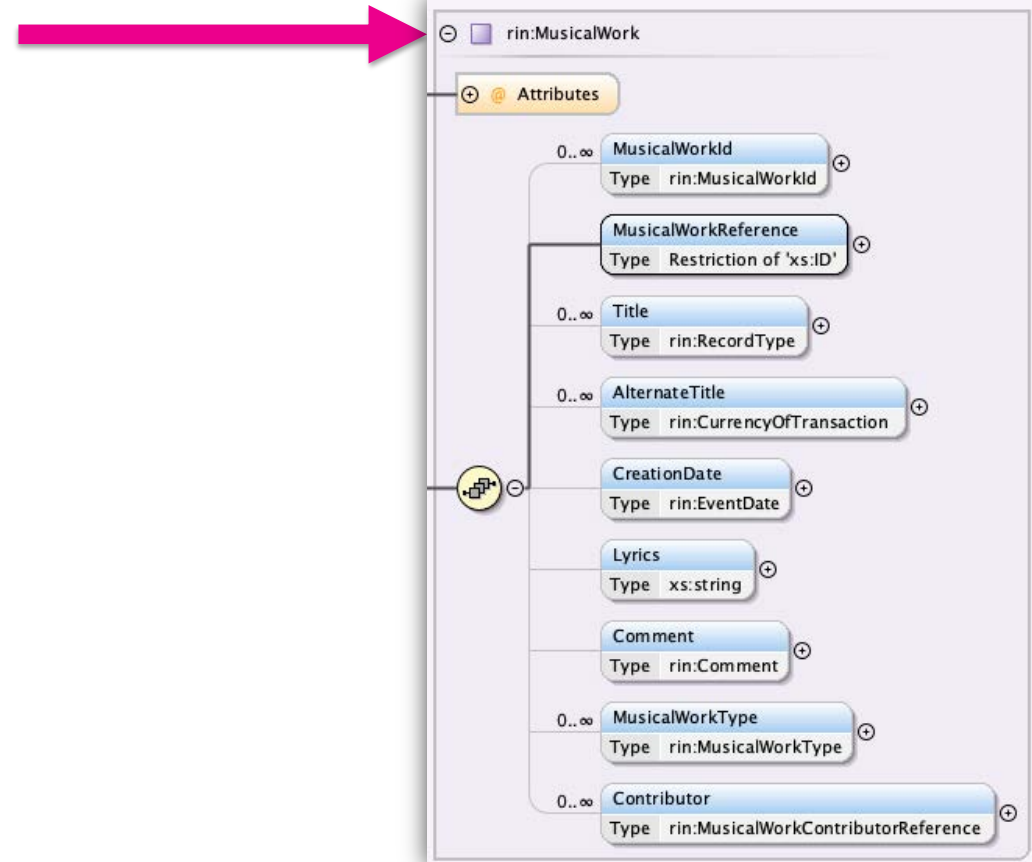
# RIN content

- Musical works
  - Composition
  - Lyrics
- Resources
  - Sound recording (or sound for music video)
- Recording components
  - Generally known as “stems”



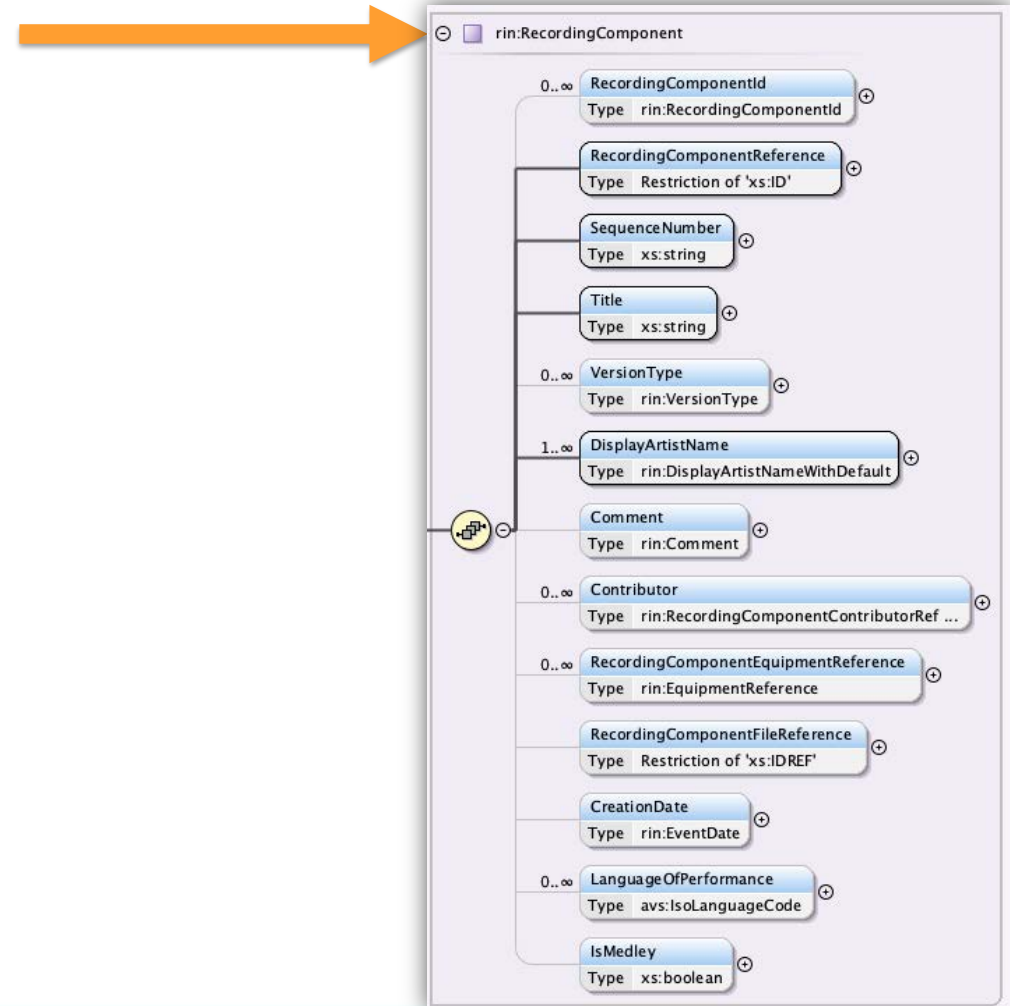
# RIN content

- Musical works
  - Composition
  - Lyrics



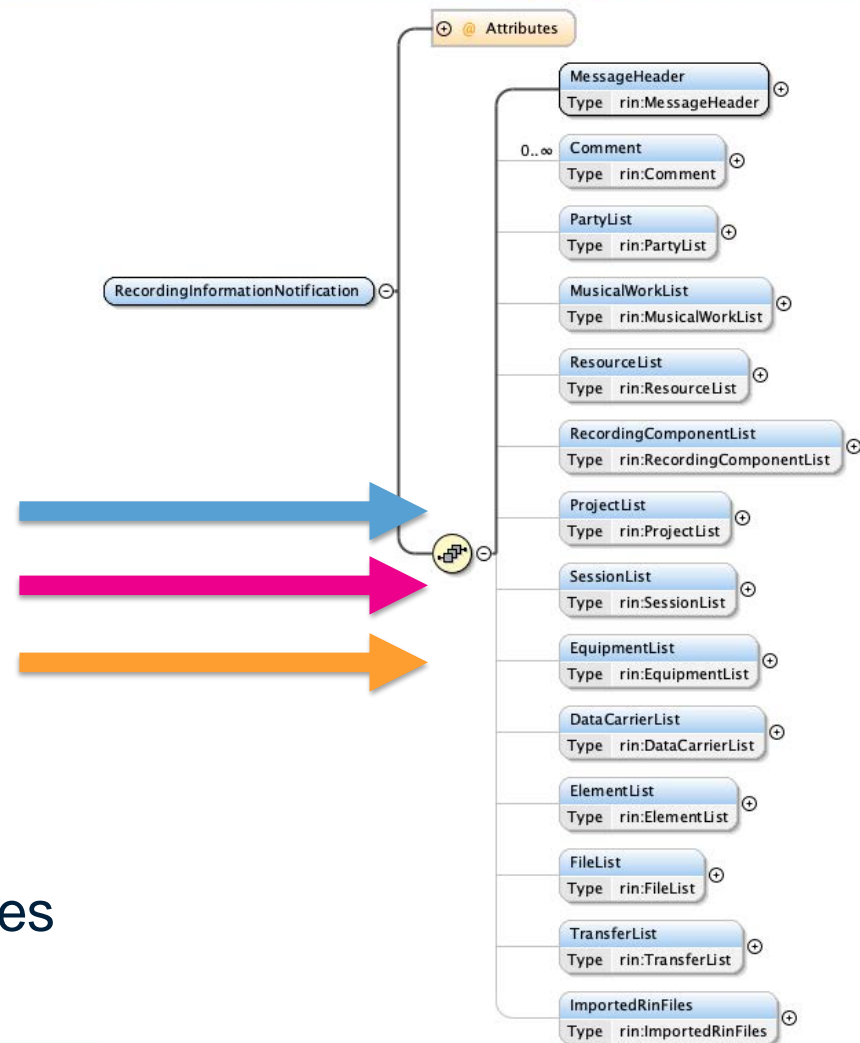
# RIN content

- Recording components
  - Generally known as “stems”



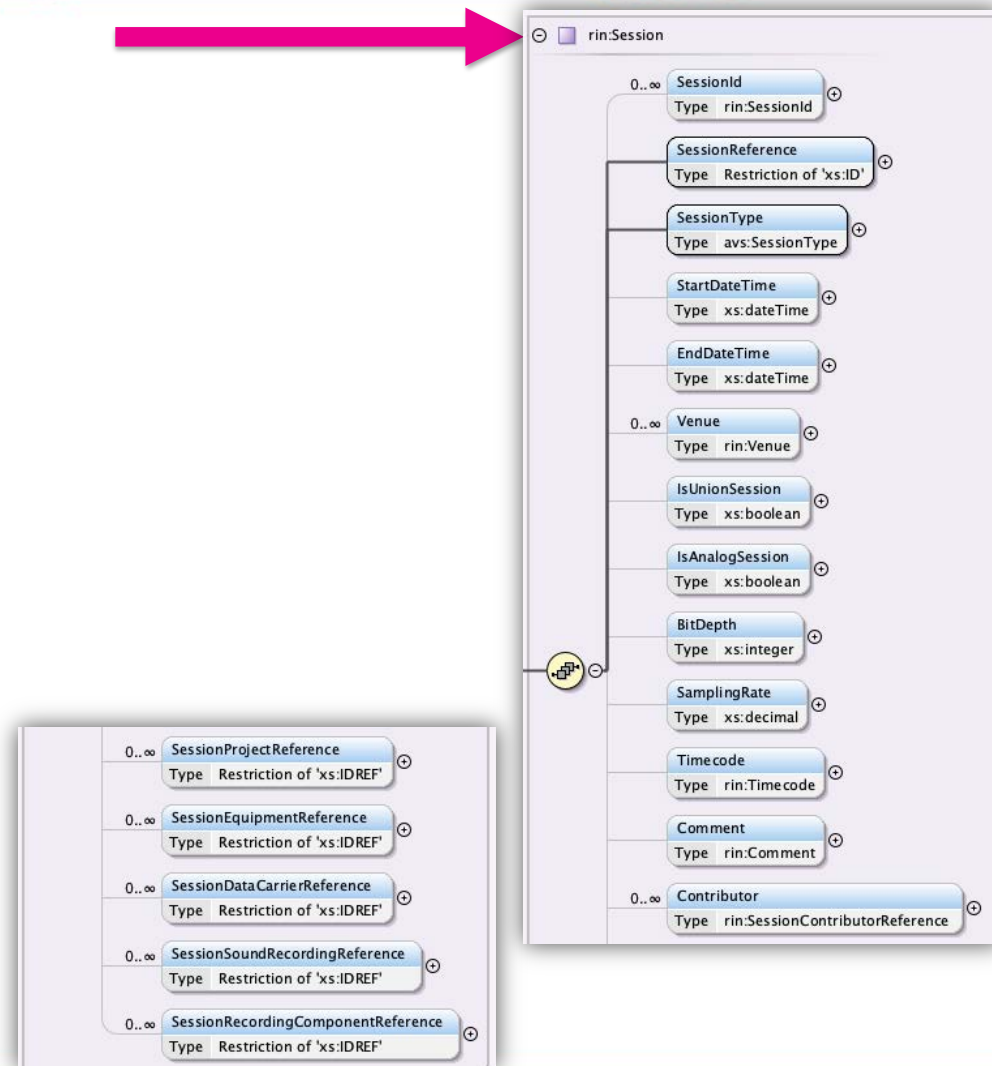
# RIN content

- (Recording) Projects
  - The administrative unit at the commissioning record company
- Session
  - The event in the studio
- Equipment
  - Instruments and recording devices



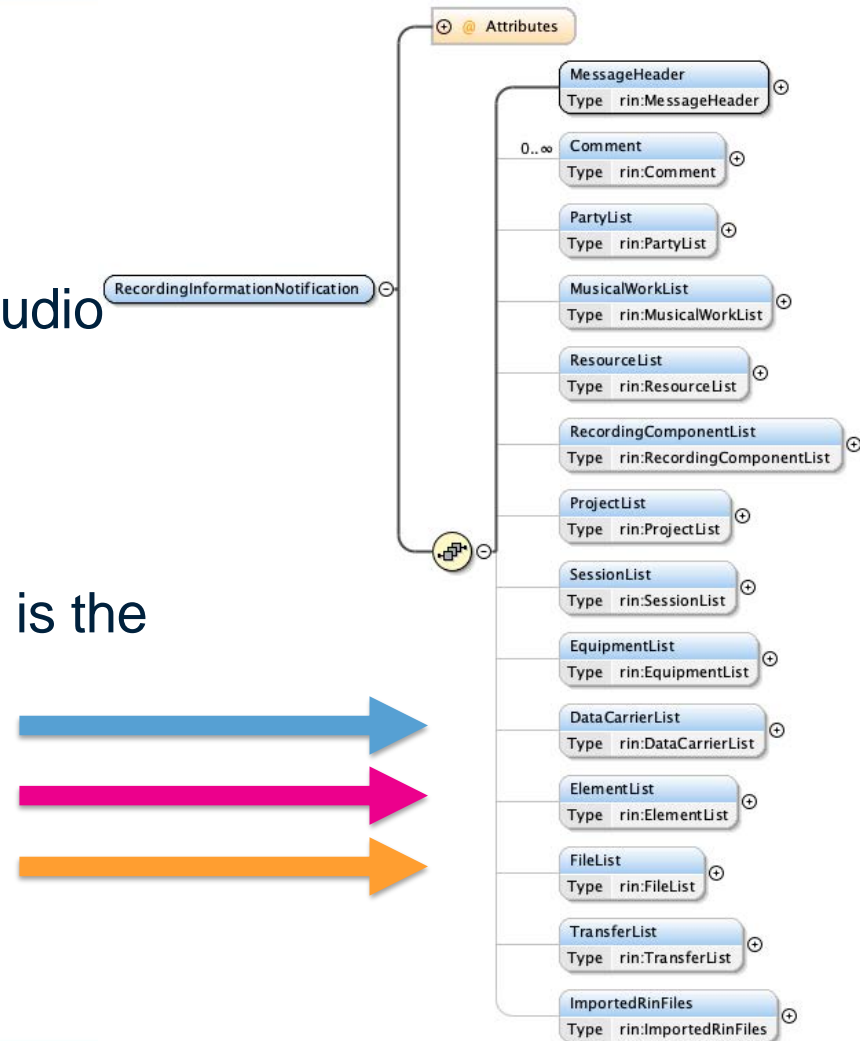
# RIN content

- Session
  - The event in the studio



# RIN content

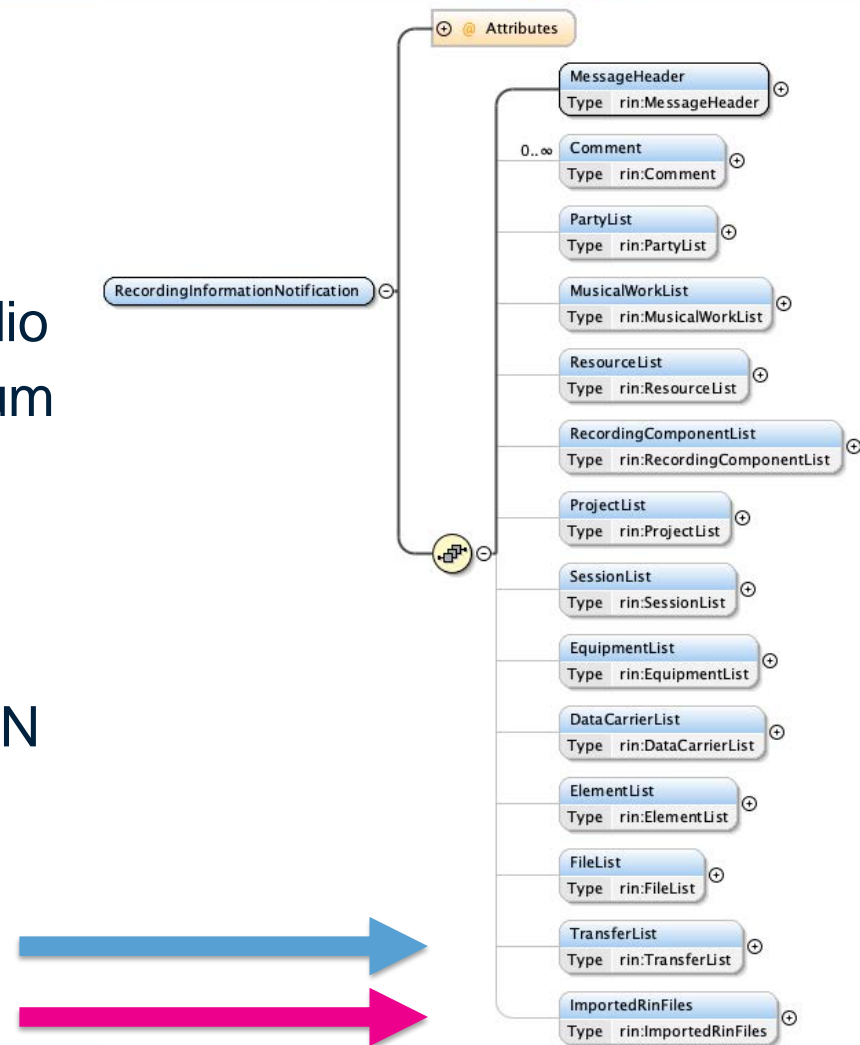
- Data carriers
  - On what physical device is the audio stored
- Elements
  - On what logical DAW containers is the audio stored
- Files
  - The files containing the audio



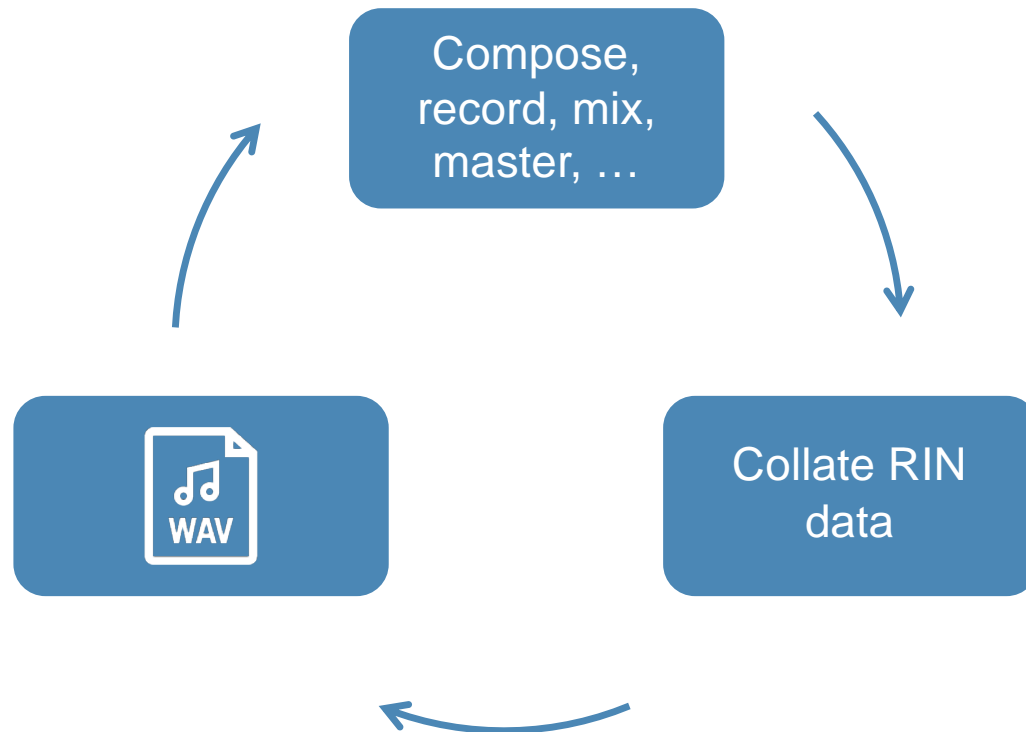


# RIN content

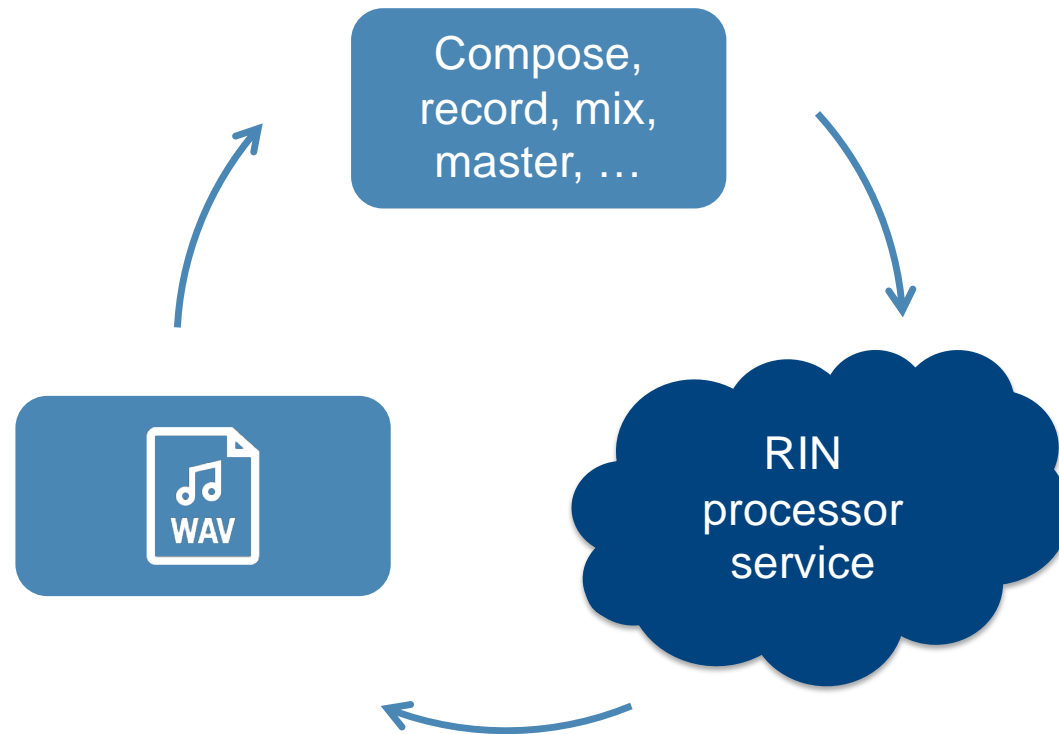
- Transfers
  - Information about where the audio was transferred from (one medium to another)
- Imported RIN files
  - Enables the daisy chaining of RIN files



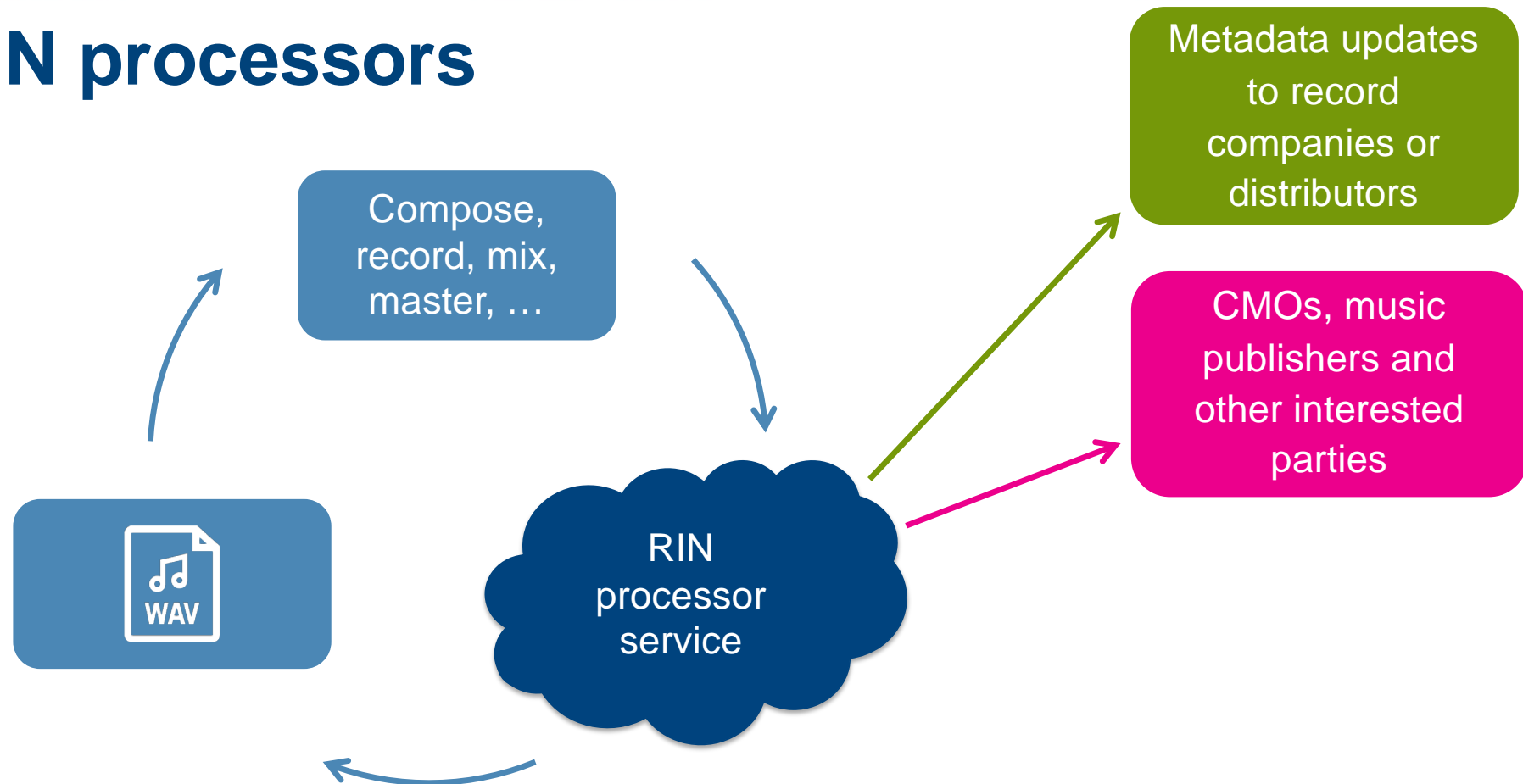
# RIN processors



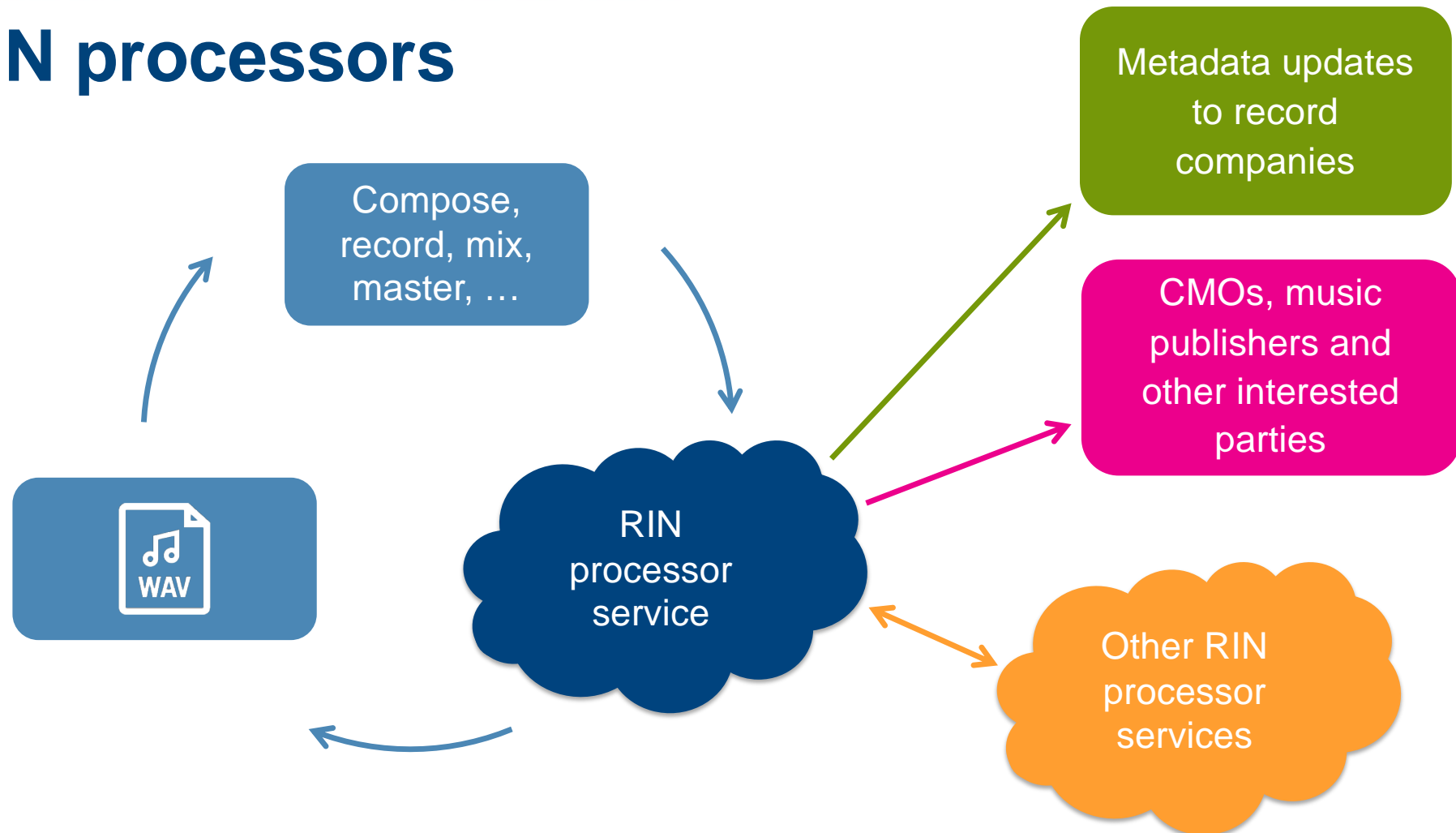
# RIN processors



# RIN processors



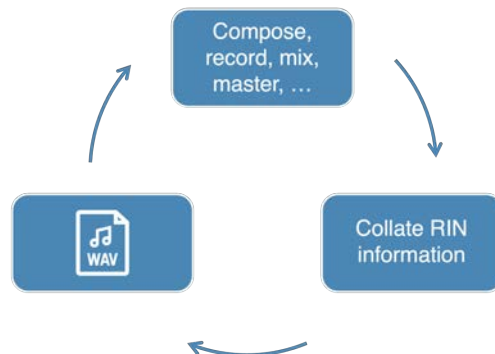
# RIN processors



# Exchanging RIN messages

## Version 1.x

- RIN files
  - To accompany audio files
  - To be “enriched” en-route
  - To be sent to record company when all is done



## Version 2.x

- Record companies need data as soon as possible
  - To check information
  - To start compiling label copy data
  - To get licences in place
- RIN processors are generally becoming cloud services

## RIN messages describe a single “deliverable”

- One `SoundRecording` (if created in the session)
- All the `RecordingComponents` recorded with the intention to become a `SoundRecording`
- All the `MusicalWorks` for that `SoundRecording`
- All the `Sessions` where these `RecordingComponents` or `MusicalWorks` were created or used
- All the `Equipment` used

# Digital Data Exchange (DDEX)

## Recording Information Notification (RIN)

May 2024

