THE SEMANTIC WEB MIDI TAPE

An interface for interlinking MIDI and context metadata

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WHAT LINKS MATTER IN MUSIC LINKED DATA?



- LINKS BETWEEN PIECES

 performances, arrangements...
- LINKS BETWEEN PIECES AND CONTEXT INFORMATION

contributors, places, lyrics...

WHO WANTS LINKS?



MUSICIANS, DJS

reuse and mix music samples on the basis of music features and/or context information

MUSICOLOGISTS, CURIOUS

group pieces by topic, place, people, etc. to discover patterns

HOW DO WE BUILD LINKS?



AUTOMATIC PROCESSES

music similarity algorithms, Named Entity Recognition

CROWDSOURCING

interfaces for annotating datasets, contribute (and query) by playing

HOW DO WE GET BOTH?

THE SEMANTIC WEB MIDITAPE

THE SEMANTIC WEB MIDI TAPE

a prototype for querying, enriching and "playing" the MIDI-LD Cloud - https://midi-ld.github.io



THE MIDI LINKED DATA CLOUD

- the biggest RDF dataset of MIDI online
- many services for querying and browsing
- lack of good quality context metadata

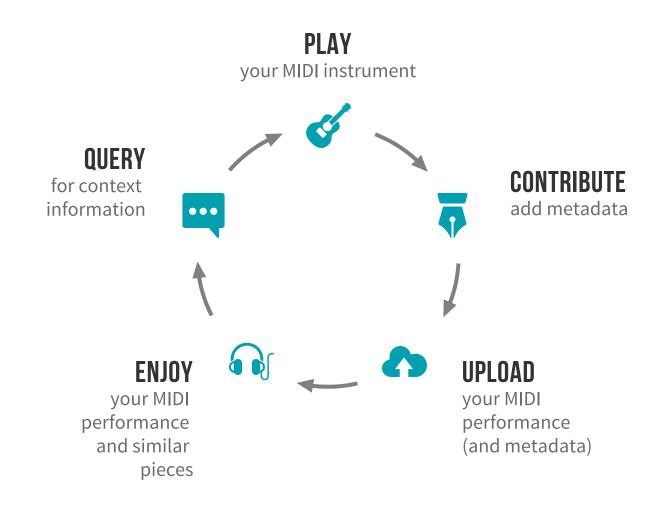


ADD METADATA AND LINKS

- NER genres, places, people
- MelodyShape music similarity algorithm
- allow users to contribute with performances and annotations

HOW IT WORKS

contribute, query and discover by playing - https://github.com/midi-ld/semweb-midi-tape



DEMO

https://www.youtube.com/watch?v=xSfo3dwF1mY

CONCLUSIONS AND FUTURE WORK



THE SEMANTIC WEB MIDI TAPE

- enrich the MIDI-LD Cloud with new performances and metadata
- allow users to improve metadata quality and discover by playing



IMPROVE USER EXPERIENCE

- combine human supervision and NER methods
- scalability of MIDI similarity links generation
- develop user interfaces

QUESTIONS?

THANKS!