DARWIN’S MUSIC
Hmm ...

• Where does blue-grass come from?
• How did jazz grow?
Audio analysis says ...

Measuring the evolution of contemporary western popular music (J. Serrà et al, 2012)
What would web of things say?
We want to see …

• Evolution of music genres in western music
• Popularity of artists by country over a timeline
mb:recording/0012b183-0094-466a-8e9b-b019f1f2fd2f#_ a mo:Track;
ourvocab:has_listener_count "21117";
ourvocab:has_playcount "91301";
ourvocab:has_tag "4 of 10 stars",
"female vocalist",
"jazz",
dc:title "S'Wonderful";
mo:performer mb:artist/67d2cb7a-9ddb-....#_.

mb:artist/67d2cb7a-9ddb-....#_ a mo:MusicArtist;
dbpediaowl:hometown <http://dbpedia.org/resource/Nanaimo>;
foaf:name "Diana Krall".

<http://dbpedia.org/resource/Nanaimo> a dbpediaowl:Place;
geo:geometry "POINT(-123.936 49.1642)"
foaf:name "City of Nanaimo".
Architecture

Visualization and Web API

Server Infrastructure

Entity linking (String and property matches)

Triplestore and SPARQL endpoint

Web API/Triplification

DBpedia

MusicBrainz

last.fm
Screencast/Demo
Outcomes

• Triplified and linked Last fm track data to MusicBrainz and DBPedia sources
• Triple store of the data with a SPARQL endpoint
• A visualization kit built on jVectormap
• Software infrastructure with API to access SPARQL endpoint (returning JSON-LD)
Prospects (Research)

• A parallel research to *Measuring the evolution of contemporary western popular music* (J. Serrà *et al*, 2012)

• Informed recommendations
  – replace(Frustration, Serendipity)

• Measuring impacts
  – Cross border cultural influences
  – Historical events

• Maps/links from a singer, listener and a label’s perspective
Be part of it!

• Everything is open, out there
  https://github.com/mpetyx/DarwinsMusic

• A lot of possible different directions