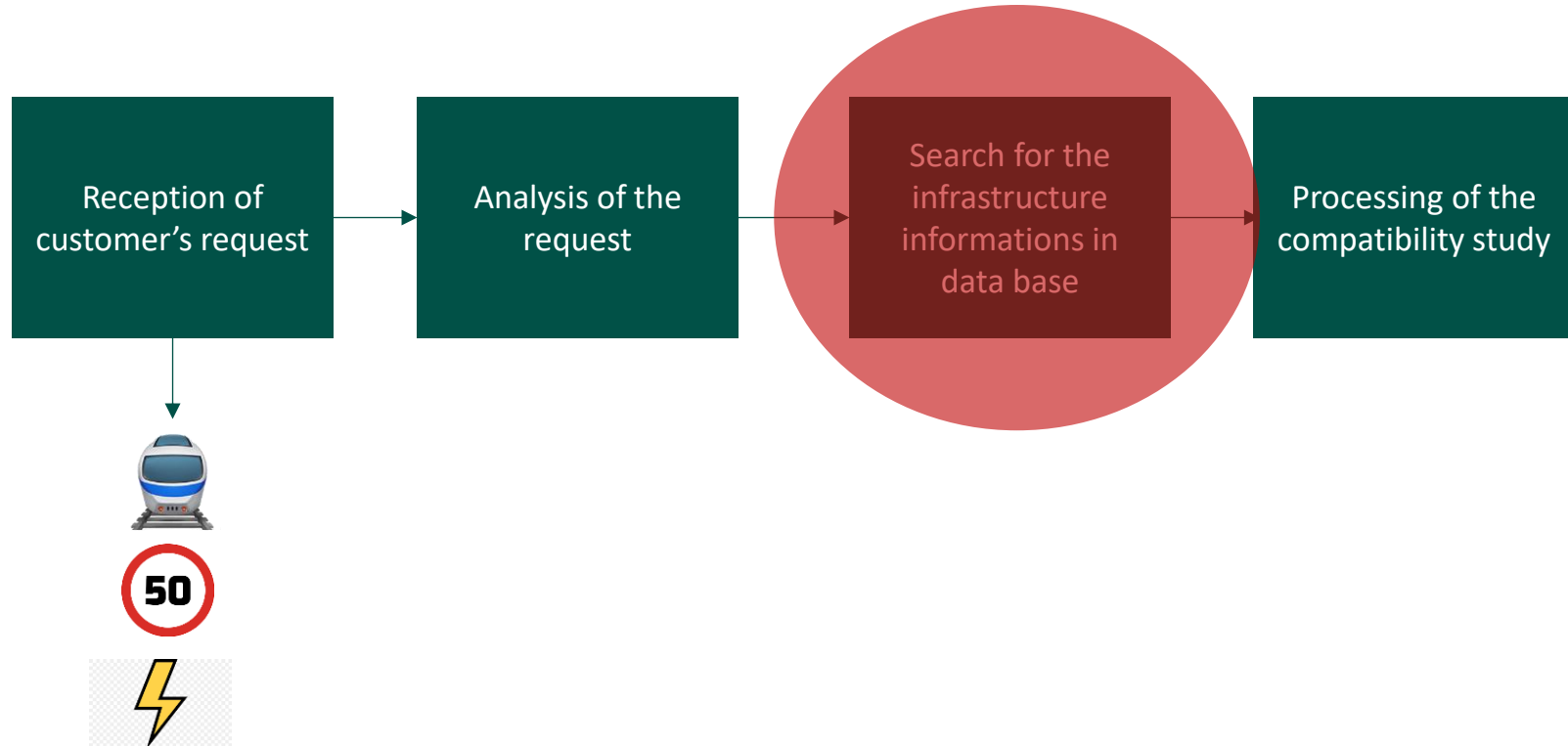
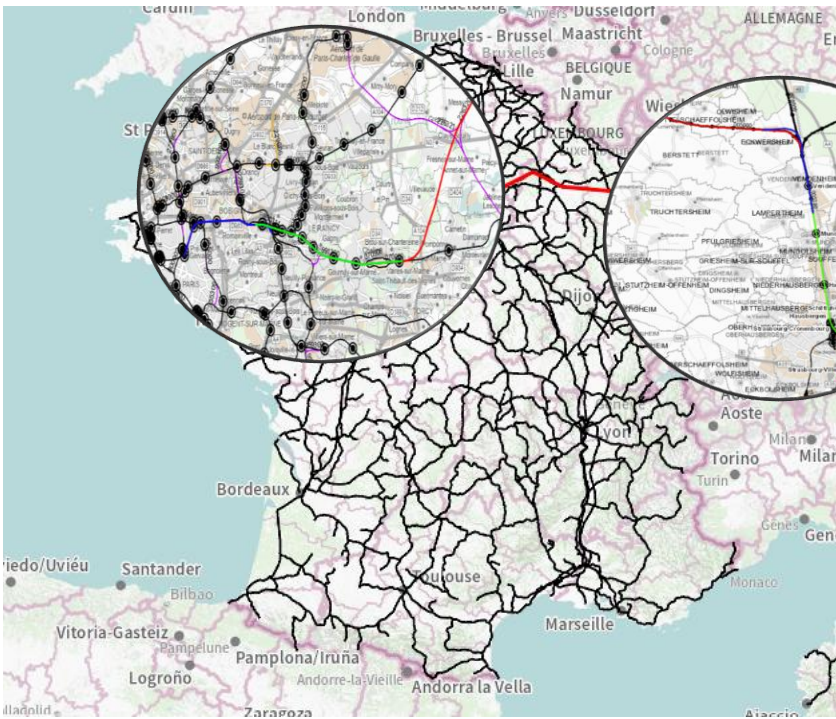


Turning Data into Compatibility Decisions

Processus



Case study: Paris –Strasbourg



Code ligne	Rang du tronçon	Point kilométrique début	Point kilométrique fin
1000	1	0+052	10+000
70000	1	8+285	22+800
5000	1	0+000	406+015
5390	1	405+815	408+532
70000	1	493+000	502+000

Search for the infrastructure Data

Performance parameters (1.1.1.1.2)

Track parameters

Trans-European Network (TEN) classification (of track, of platform, of siding) (1.1.1.2.1)

TEN geographic information system identity (GIS ID) (1.1.1.2.2) ☐ literal

National classification for load capability (1.1.1.2.4.1) ☐ literal

Compliance of structures with the High Speed Load Model (HSLM) (1.1.1.2.4.2) ☐ True ☐ False ☐ Not defined

Railway location of structures requiring specific checks (1.1.1.2.4.3) ☐ exactly

Document with the procedure(s) for static and dynamic route compatibility checks (1.1.1.2.4.4) ☐ literal

Maximum permitted speed [km/hr] (1.1.1.2.5) ☐ exactly ☐ km/hr

Maximum altitude [m] (1.1.1.2.7) ☐ exactly ☐ m

Existence of severe climatic conditions (1.1.1.2.8) ☐ True ☐ False ☐ Not defined

Load capability

Temperature range

Search for the infrastructure Data

Table

Map

Manager's Code	National line ID	Name of start Operational Point	Geographical location of start O...	Name of end Operational Point	Geographical location of end O...	Validity date start	Validity date end	Existence of rules and restriction...	Track URI	Maximum permitted speed [km
0087	001000-1	Accès à Faisceau Altkirch	47.6269, 7.24043	Walheim	47.6423, 7.26317	01/01/1800	01/01/2382	no data	586105aaa950adbe02697c41d97773d	160 km/hr
0087	001000-1	Accès à Faisceau Altkirch	47.6269, 7.24043	Walheim	47.6423, 7.26317	01/01/1800	01/01/2382	no data	72d87b032533094f1881e074d77d567	160 km/hr
0087	001000-1	Flaxlanden	47.699, 7.30494	Bif 001000/001391	47.7309, 7.3242	01/01/1800	01/01/2382	no data	a52f63f26719bb2215665c029c8cced	160 km/hr
0087	001000-1	Flaxlanden	47.699, 7.30494	Bif 001000/001391	47.7309, 7.3242	01/01/1800	01/01/2382	no data	4fcc411b15f54ba1b68d8be069db2b4d	160 km/hr
0087	001000-1	Bif 001000/001391	47.7309, 7.3242	Hasenrain	47.7359, 7.33036	03/12/2008	01/01/2382	no data	069f2862b563d5b90bb70b337121418	140 km/hr
0087	001000-1	Bif 001000/001391	47.7309, 7.3242	Hasenrain	47.7359, 7.33036	03/12/2008	01/01/2382	no data	0aac4b8444b21c13b69a3da5d05e7c4	140 km/hr
0087	001000-1	Bif 001000/115000	47.7401, 7.3402	Mulhouse-Ville	47.7423, 7.3445	01/01/1800	01/01/2382	no data	86038fb400ea98924b04a878bd7e026	140 km/hr
0087	001000-1	Bif 001000/115000	47.7401, 7.3402	Mulhouse-Ville	47.7423, 7.3445	01/01/1800	01/01/2382	no data	b714e12d623d8c29ab4fc6887fb777b	140 km/hr
0087	001000-1	Zillisheim	47.6945, 7.29518	Flaxlanden	47.699, 7.30494	01/01/1800	01/01/2382	no data	5b8cd9e1e036c0284672501a3224b0	160 km/hr
0087	001000-1	Zillisheim	47.6945, 7.29518	Flaxlanden	47.699, 7.30494	01/01/1800	01/01/2382	no data	fd33c797fca6ca740a8391ebf73d8cd1e	160 km/hr

Total Rows: 713

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1

2

3

>

Go to

Export data View query

Clear Search

Search for the infrastructure Data

SPARQL query

This is the SPARQL query used to retrieve the data based on the search criteria.

```
63 OPTIONAL {
64   ?fa632b76f18dab740f58a2c2ffe35c08fb9f336e39957C286528f3e6a596ecbc <http://data.europa.eu/949/validityStartDate> ?cb4697de428633283cbc8d23b25a0e14f766a9f827a75041ed91a00bef71cc3c.
65 }
66
67 OPTIONAL {
68   ?fa632b76f18dab740f58a2c2ffe35c08fb9f336e39957C286528f3e6a596ecbc <http://data.europa.eu/949/validityEndDate> ?21420899c867f513bf40f455b773C760230a25b15c96793eea00b35f4422c52c.
69 }
70
71 OPTIONAL {
72   ?fa632b76f18dab740f58a2c2ffe35c08fb9f336e39957C286528f3e6a596ecbc <http://data.europa.eu/949/track> ?a226192f8cd51fe1b9c5fe7d15478805e3c6421f829cb1f0bb4caf12426990b6.
73
74   OPTIONAL {
75     ?a226192f8cd51fe1b9c5fe7d15478805e3c6421f829cb1f0bb4caf12426990b6 <http://data.europa.eu/949/localRulesOrRestrictions> ?a2046805470d589f0657052f754c450c0d1a90a0d1e366c9c41a8dcdf615bdc.
76   }
77
78   OPTIONAL {
79     ?a226192f8cd51fe1b9c5fe7d15478805e3c6421f829cb1f0bb4caf12426990b6 <http://data.europa.eu/949/maximumPermittedSpeed> ?c18f77f525fc46210601e6803d26b2afeca5fd4b6fd1326862c58c54ba541ed.
80   }
81 }
82
83 FILTER(?c59bf2912e649dd3acbcfdb5bc982c2f3692e6029f90feb06179b17979a5f6c IN (<http://publications.europa.eu/resource/authority/country/FRA>))
84
85 FILTER(1case(str(?cab82ce3a67d6a124a2a9cf9450sec78be4713f3d130069309a9cbbddcd5e18c5)) = 1case("001000-1"))
86 }
87
```

SELECT query

Save query

Run on YASGUI

Using Python for data research

```
63     OPTIONAL {?sol_track era:trackLoadCapability ?trackLoadCapability.  
64         | ?trackLoadCapability era:loadCapabilityLineCategory/skos:prefLabel ?Charge.  
65     }  
66  
67     OPTIONAL {?sol_track era:compatibilityProcedureDocument ?trackProcedureDocument.  
68         | ?trackProcedureDocument foaf:name ?Referentiel.  
69     }  
70     OPTIONAL {?sol_track era:maximumPermittedSpeed ?VitesseMax.}  
71     OPTIONAL {?sol_track era:nationalLoadCapability ?GroupeDemaux.}  
72     OPTIONAL {?sol_track era:cantDeficiency ?Insuffisancedevers.}  
73     OPTIONAL {?sol_track era:gradientProfile ?PenteRampe.}  
74     OPTIONAL {?sol_track era:hasLevelCrossings ?PresencePN.}  
75     OPTIONAL {?sol_track era:accelerationLevelCrossing ?PNenAccel.}  
76     OPTIONAL {?sol_track era:gaugingProfile/skos:prefLabel ?Gabarit.}  
77     OPTIONAL {?sol_track era:contactLineSystem ?sol_contactLineSystem.  
78         ?sol_contactLineSystem era:contactLineSystemType/skos:prefLabel ?Electrification.}  
79     OPTIONAL {?sol_track era:contactLineSystem ?sol_contactLineSystem.  
80         ?sol_contactLineSystem era:energySupplySystem/skos:prefLabel ?tensionetfrequence.}  
81     OPTIONAL {?sol_track era:contactLineSystem ?sol_contactLineSystem.  
82         ?sol_contactLineSystem era:umax2 ?umax2.}
```

Search for the infrastructure Data

Lecteur RINF IP3M ESAM

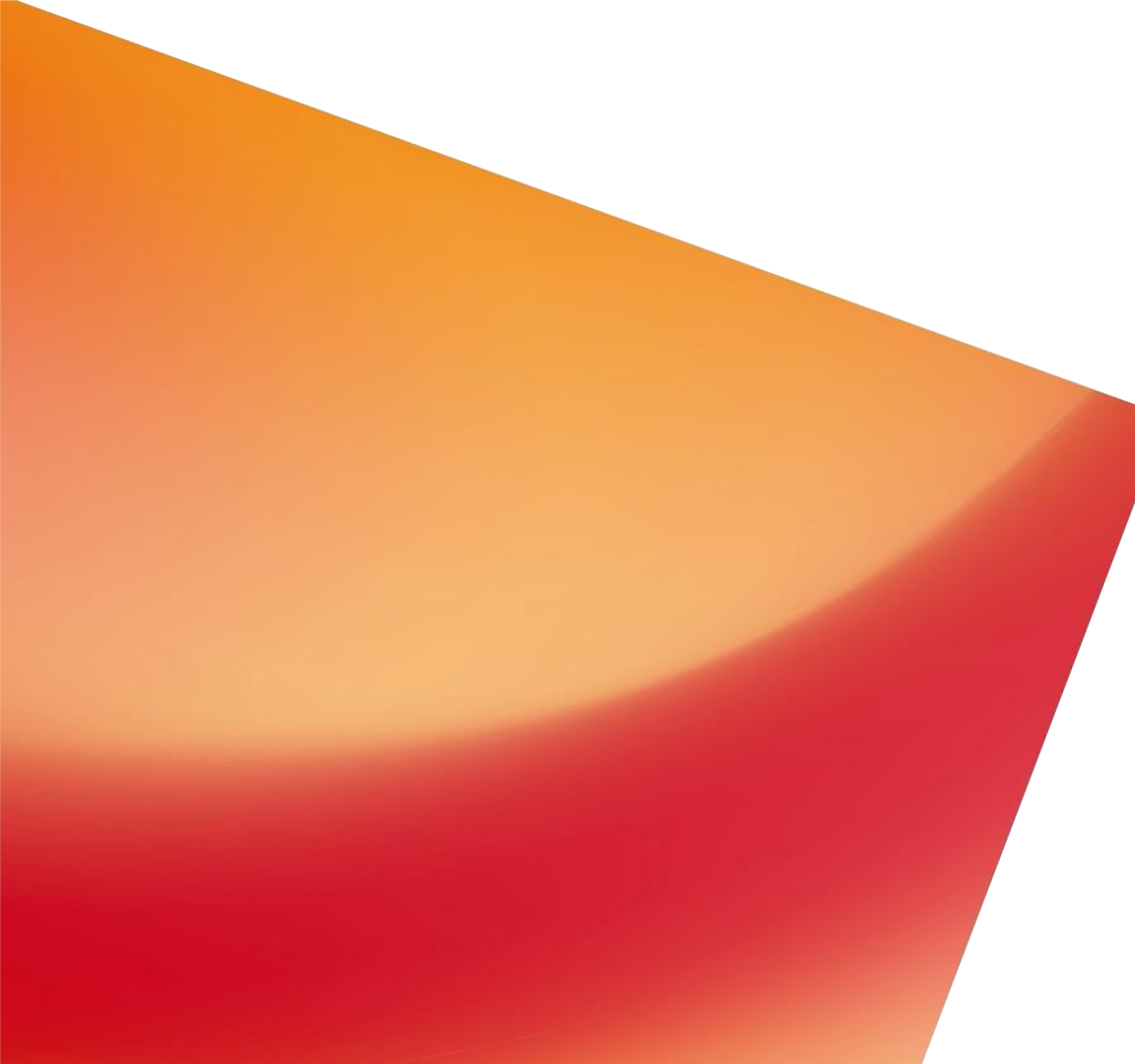
Ligne (linelabel)

PK Début (kilometerSTART)

PK Fin (kilometerEND)

Colonnes à inclure

☐ CodeGI	☐ sol_solNature	☐ op_startName	☐ opStartLineLabel
☐ op_endName	☐ opEndLineLabel	☐ trackId	☐ OaEnExcep
☐ 1.1.1.1.2.4 Capacité de charge - Label	☐ GroupeDemaux	☐ VitesseMax	☐ Gabarit
☐ PresencePN	☐ PNenAccel	☐ PenteRampe Value	☐ PenteRampe PK
☐ Electrification	☐ RayondeCourbure	☐ FrenchTrainDetection	
☐ Exclure "Link" dans sol_solNature			



Merci
de votre attention