



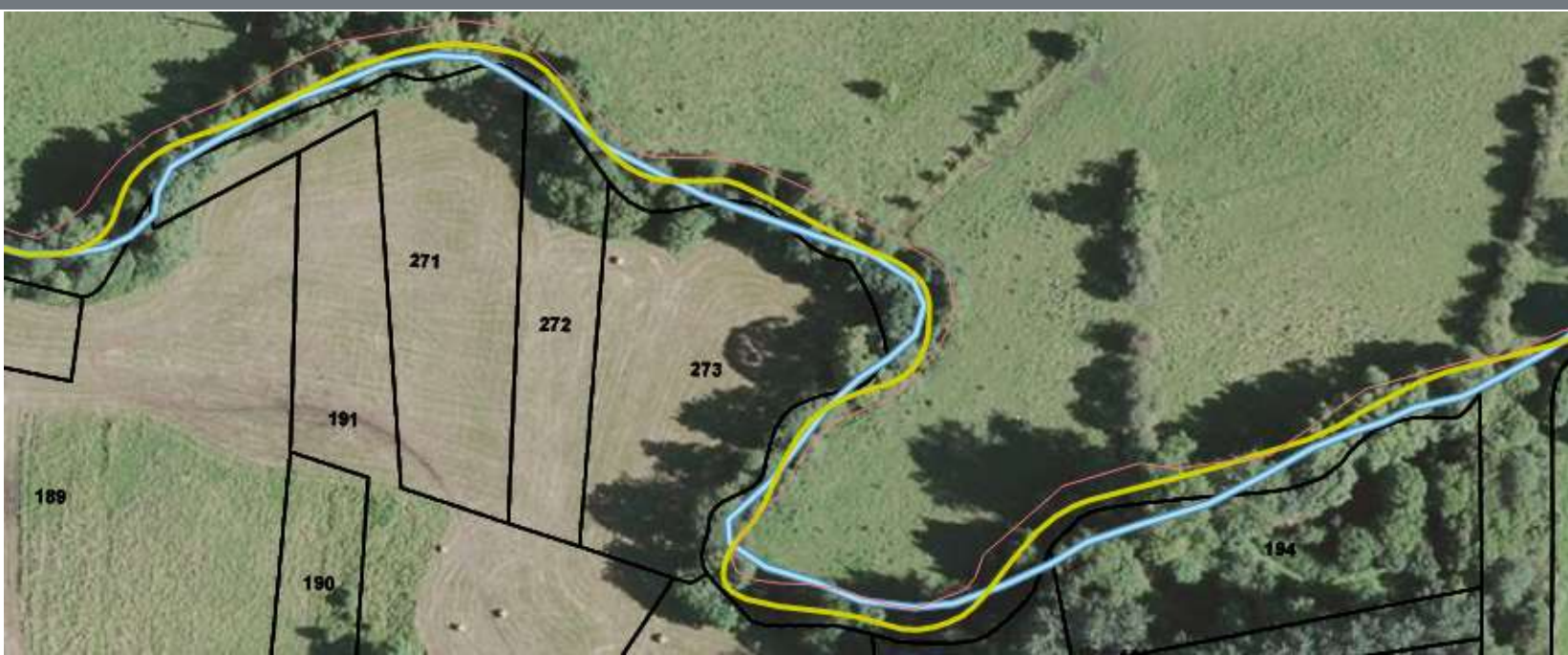
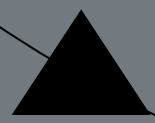
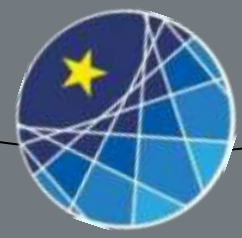
FRENCH ELF EDGEMATCHINGS

WIEN KEN SBE
November 2016

2018



2016



NEW JURIDICAL ASPECTS

“...wherever the two states have adopted common limits and determinable by reference to the same system, demarcation is considered proved by reference to that system...”

Official agreements and maintenance

Positions defended by France with foreign countries



Responsible in coordination and maintenance of the border work, he manages funds

Others

When the best expertise is from cadastre



IGN

Cartographic or geodetic expertise



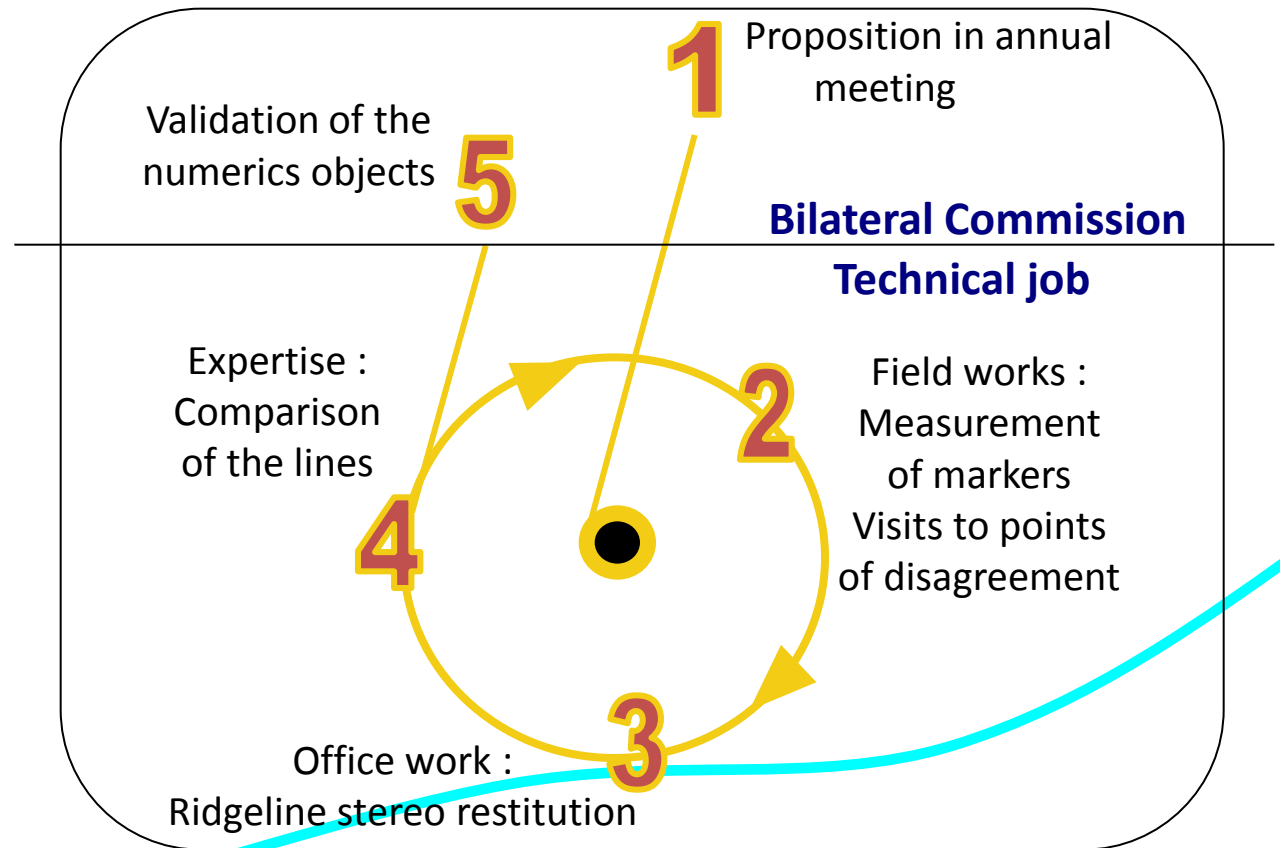
Local expertise

WAY TO GET AN UNIQUE LINE

Juridical validation in CMA



Validation
process
(can be long)



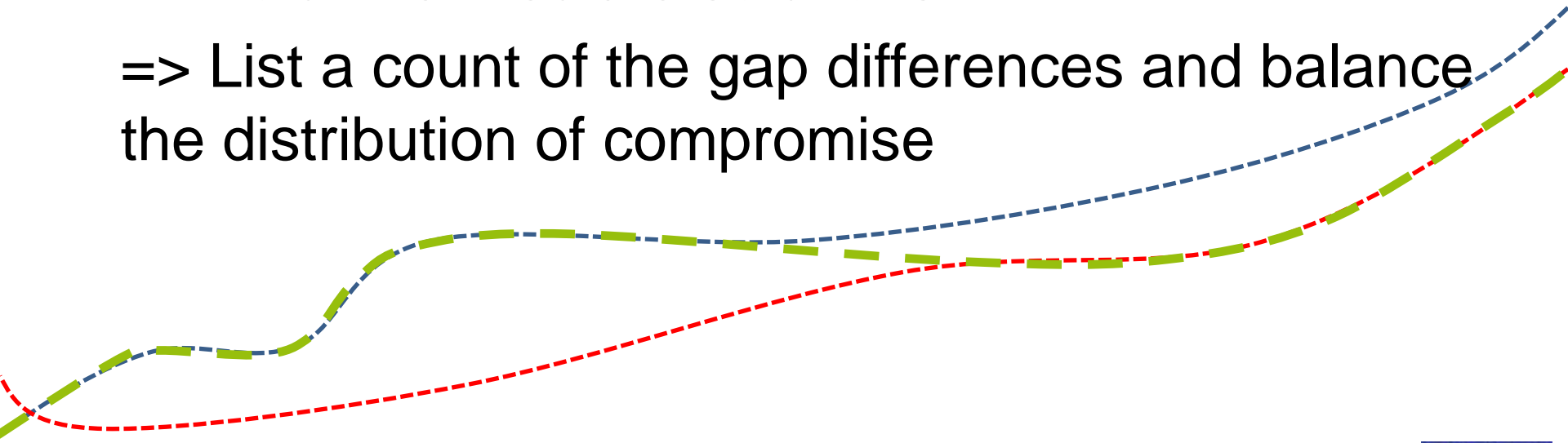
WAYS TO GET AN UNIQUE LINE

Temporary validation



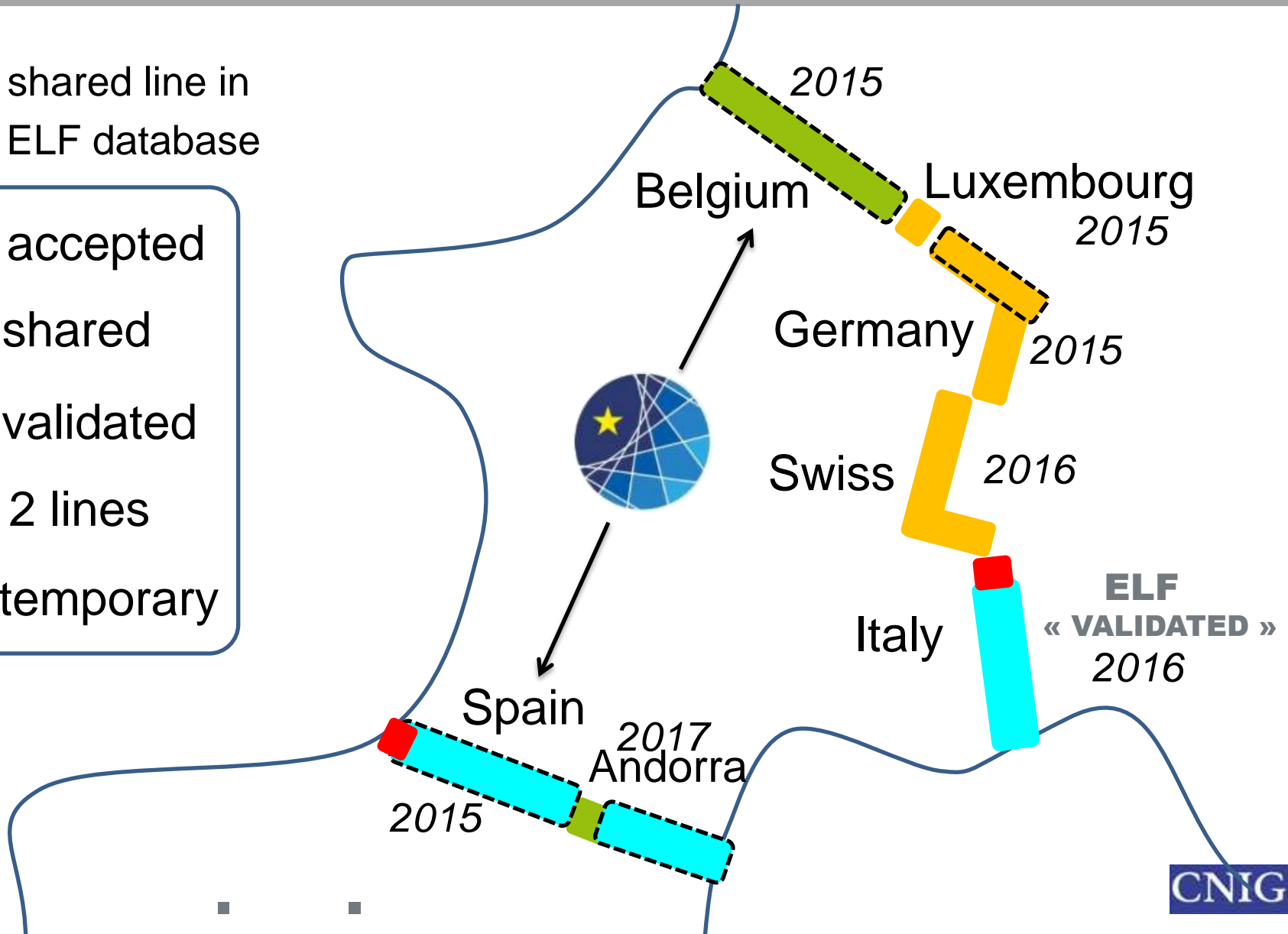
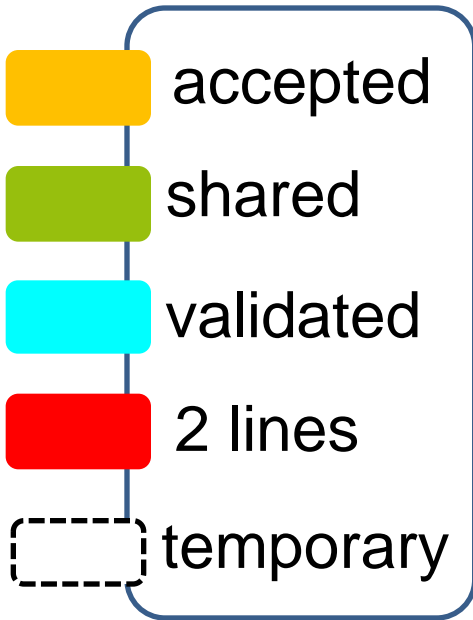
- Agreement with future actions planned
- Quick and temporary
- Avoid intermediate solutions

=> List a count of the gap differences and balance the distribution of compromise



2 EDGEMATCHINGS PROCESS ON COURSE (BEL, ESP)

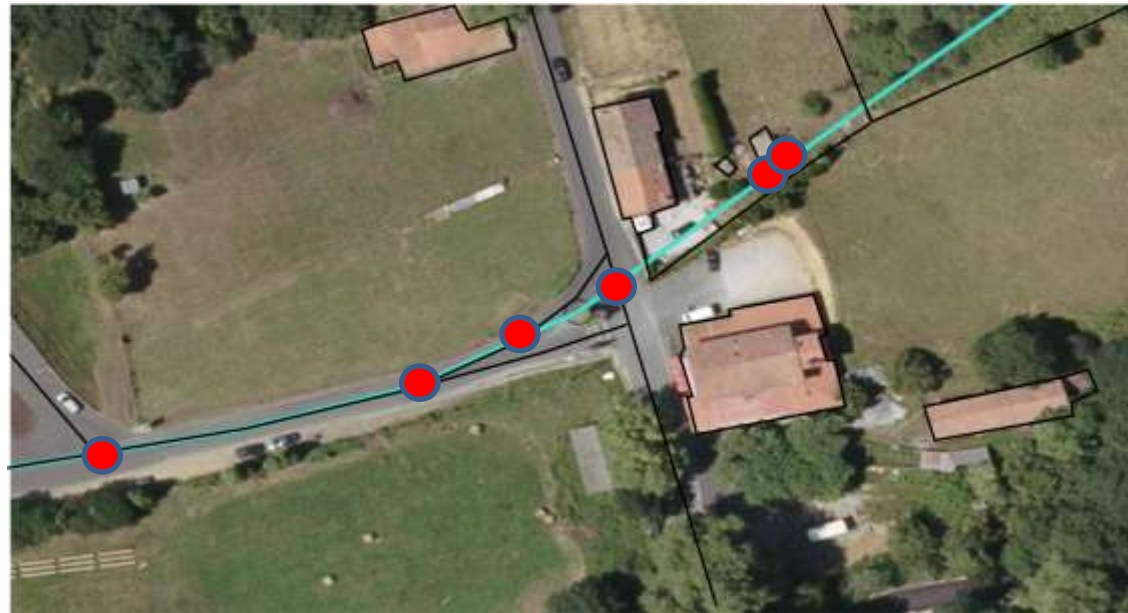
2015 : shared line in ELF database



ORGANISATION PROCESS

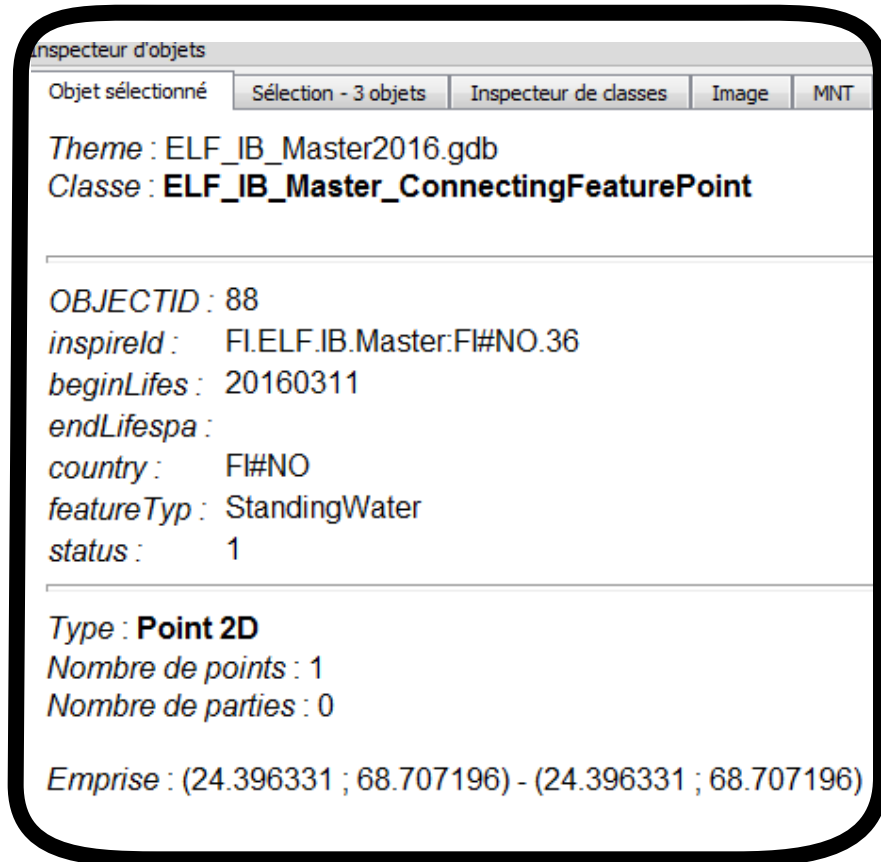
- MODIFICATIONS OF THE NEW BOUNDARY LINE IN THE SOURCE DATABASE
- ANNUAL UPDATE (DISPLAYED 3 MONTHS LATER IN PORTALS)

- EXTRACTION
FOR COMPARISON
FROM INTERNAL BASES
 - CONNECTING FEATURES
 - NEIGHBORING OBJECTS
 - BILATERAL LINE



- EXCHANGE OF GEOMETRY AND SEMANTIC
- MODIFICATIONS IN SOURCE DATABASE

EDGEMATCHINGS : CONNECTING FEATURES



Format exchange : shape

4 themes concerned

- UA, TN, HY, BU

CFs : 2 kinds of objects

- Points (TN, HY)

- Line (UA, TN, HY, BU)

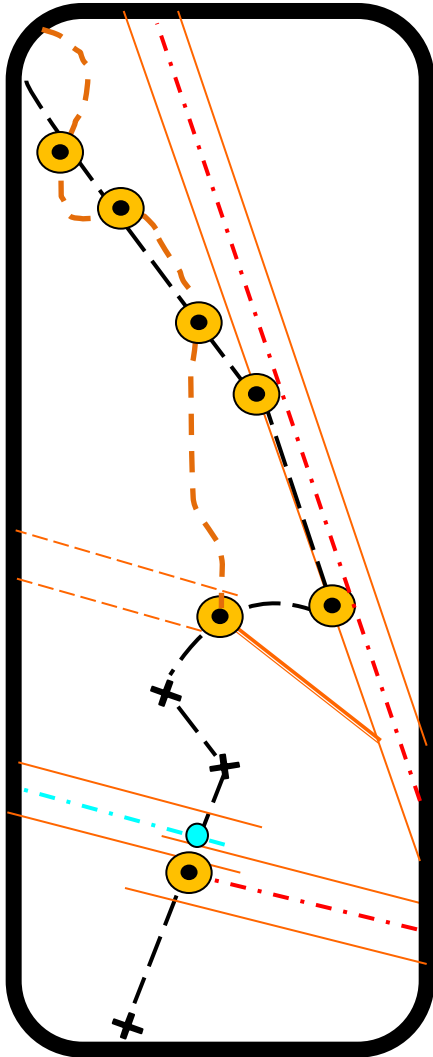
CFs Elements

- Feature type

- ETRS89

Geodetic coordinates

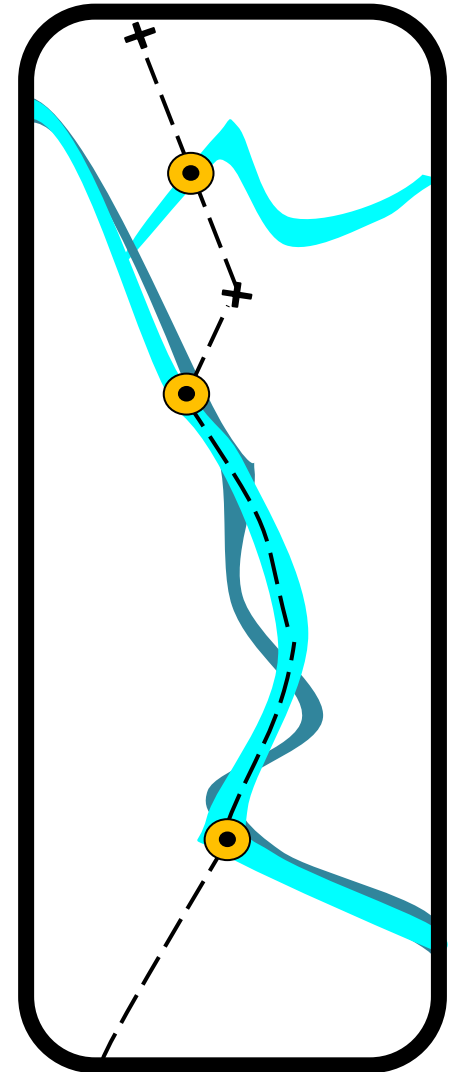
EDGEMATCHING : BRAIDED GEOMETRY



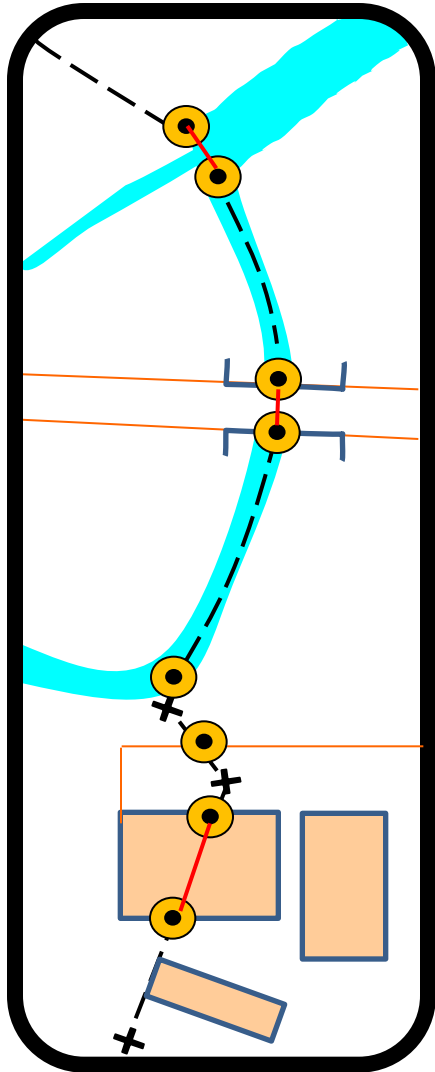
Axes must not be braided

2 ways :

- Adopt 1 unic line
(a process of improvement has to be foreseen)
- Remove the candidate CF along the line (?)



EDGEMATCHING : CFs CANDIDATES



Lines :

River polygons

Bridges

Customs shared houses

Private houses

CFs Candidates : ●

Marks : +

With Belgium (620 km)

TN : 1500 CFs

HY : 1500 CFs

BU : 15 buildings
+ 75 bridges

With Spain (623 km)

TN : 1500 CFs

HY : 100 CFs

BU : 10
+ 20 bridges

Wien november 2016



Questions?...