The French INSPIRE coordinating structure
A “VERY LARGE SCALE CORE STREET MAP”
to prevent damages
on underground pipelines during pipe-works

INSPIRE CONFERENCE, BARCELONA, 30TH OF SEPTEMBER 2016

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http://cnig.fr/
BACKGROUND

- GAS EXPLOSION LAFAYETTE AV. LYON 28th FEBRUARY 2008
- STRONG AWARENESS REGARDING SECURITY AROSE
- NEWS RULES TO PREVENT INJURIES AND DAMAGES IN 2012
- 5M PIPE-WORKS IN FRANCE EVERY YEAR
- DECREASE DAMAGES FROM 100.000 PER YEAR TO 65.000
STATE OF PLAY

- COMPLEX UNDERGROUND PIPE NETWORKS CONTEXT
- ESSENTIAL ACCURATE KNOWLEDGE OF INFRASTRUCTURES
- DIFFERENT PLANS, SOURCES, SCALES, QUALITY, ACCURACY
- NEED OF A COMMON SHARED MAP (BACKGROUND & NETWORKS)
SETTING UP NEW RULES

- JULY 2012: NEW RULES CAME INTO FORCE

- NETWORKS OPERATORS COMMIT ON PIPES’ LOCATION

- JANUARY 2019, URBAN AREAS: GAS, POWER NETWORKS PLANS, GEOREFERENCED WITH 40 CM UNCERTAINTY

- 2026 REQUIREMENTS APPLICABLE ON WHOLE FRANCE:
  - UPGRADE PREVIOUS DATA
  - ENHANCE QUALITY NEW DATA COLLECTED

- BACKGROUND MAP TO USE: “BEST VERY LARGE SCALE PLAN AVAILABLE”
CNIG: SUITABLE FRAMEWORK FOR A LONG PROCESS

- CNIG: CREATED BY DECREES IN 2011, REPORTS TO MINISTER OF ENVIRONMENT
- COORDINATING STRUCTURE ACCORDING TO INSPIRE
- OPEN, TRANSPARENT, NEUTRAL FOR MULTILATERAL EXCHANGES
- DESIGNS GEO STANDARDS
CNIG : SUITABLE FRAMEWORK FOR A LONG PROCESS

- LIVELY EXCHANGES OF VIEW, DECEMBER 2013 - JUNE 2015
- CREATION OF WORKING GROUPS
- OBJECTIVE : DESIGN AND SHARE A COMMON BACKGROUND MAP
- MANY DIFFERENT STAKE-HOLDERS
- COMMON WILLINGNESS TO ACHIEVE, RULES AND ECONOMIC INTEREST
- CONSENSUS MODEL TO REPLICATE
THE MANTRA IS: SHARE AND LOCATE
VERY LARGE SCALE CORE STREET MAP

- VERTICAL PROJECTION OF FRONTAGE BUILDINGS
- EDGES OF THE PAVEMENTS
- VISIBLE NETWORKS’ INFRASTRUCTURES (MANHOLE COVERS)
- ADDRESSES
- VERY HIGH ACCURACY: 10CM, UNCERTAINTY: 40CM
- COMPLIANT INSPIRE
24th June: Signature of National Agreement

- **Political Level Agreement**

- **At a Local Level:**
  - Create Conditions for Local Agreements
  - Apply the GEO Standard
  - Maintain up to date the Local Core Street Map

- **At a National Level:**
  - Set up an Observatory of the Implementation
  - Maintain the GEO Standard
  - Create Conditions of a National Data Aggregation
  - Disseminate Data through "Single Portal"
CORE STREET MAP MANDATORY

- RULES 2012: “BEST VERY LARGE SCALE PLAN AVAILABLE”
- NEW BYLAW PUBLISHED DECEMBER 22TH 2015
- COMPLIANT WITH CNIG STANDARD “VERY LARGE SCALE CORE STREET MAP”
- “VERY LARGE SCALE CORE STREET MAP” NOW MANDATORY
- STANDARDIZATION WORK HAS BEEN ACKNOWLEDGED BY THE STATE
- LET US PRODUCE IT NOW!
The French INSPIRE coordinating structure

INFORMATION (IN FRENCH): HTTP://CNIG.GOUV.FR

THANKS FOR YOUR ATTENTION