

The French geoportal for Spatial plan (Géo-portail de l'urbanisme): a spin-off of INSPIRE?

François Salgé

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What is the 'Géoportail de l'urbanisme'

- ➔ A one stop shop for accessing spatial plans and Public utility easements
- ➔ Part of the investment plan for housing (March 2013)
- ➔ For a greater transparency regarding spatial regulation over the French territory
- ➔ Accompanying the 3rd decentralisation wave
- ➔ In agreement with the INSPIRE directive

Legal context

December 2013 ordinance (the law)

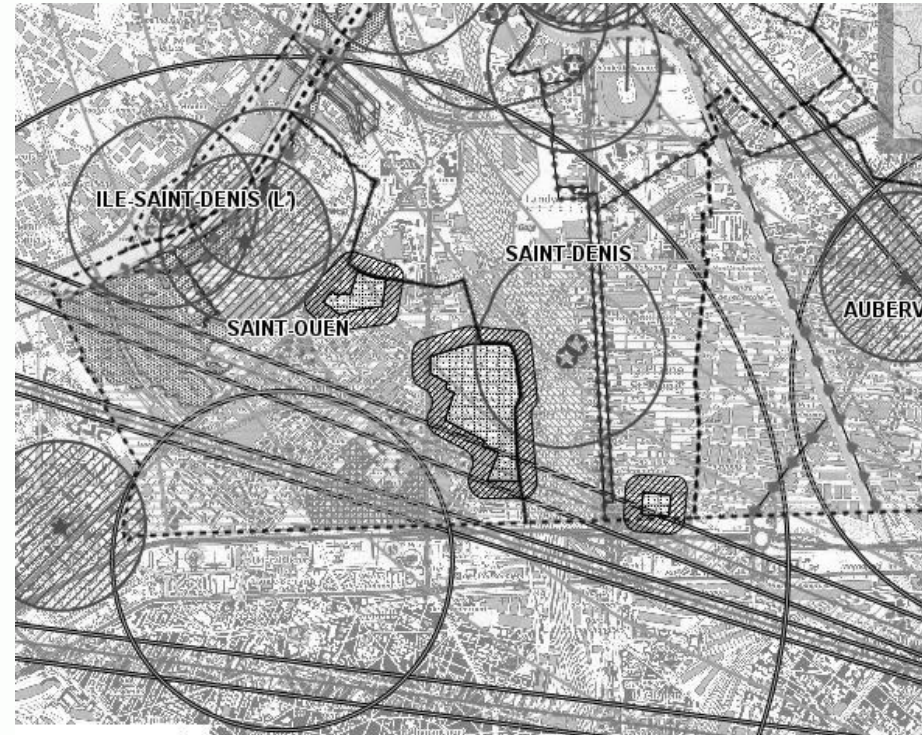
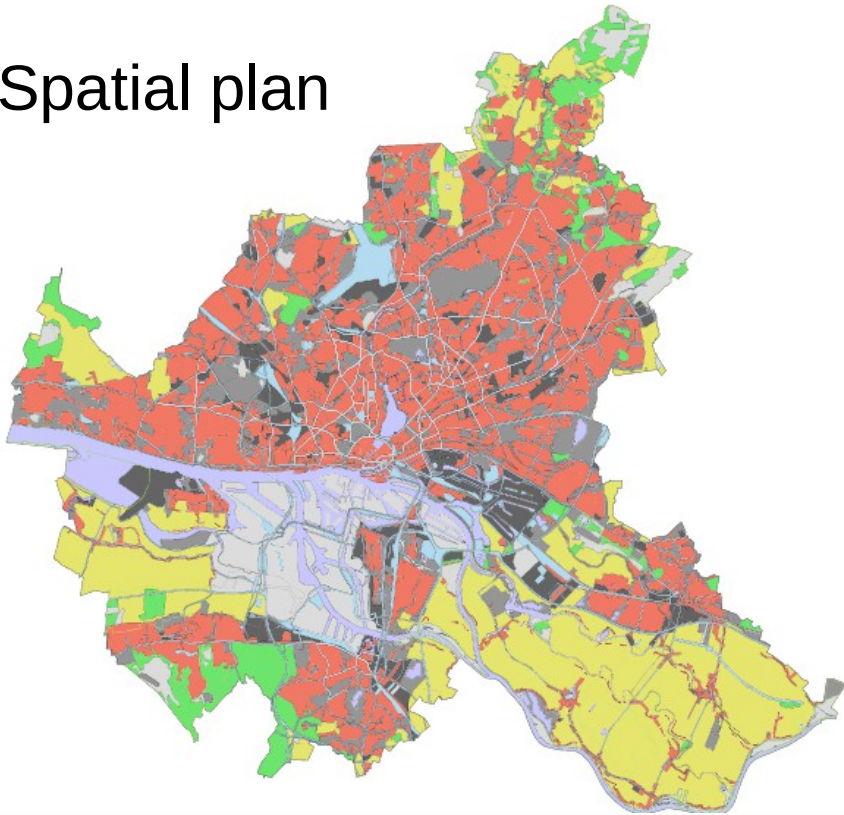
- ➔ Equal access for all citizens to a quality and validated information
- ➔ Obligation to have and make available spatial planning documents in a (GIS) standardised digital form
 - ➔ For local governments: their spatial plans
 - ➔ For the State: the public utility easements

In INSPIRE terminology

- ➔ Spatial plans
 - ➔ “SpatialPlan” object type
 - ➔ “planned land use” package
 - ➔ theme 3.4 “Land use”
- ➔ Public utility easements
 - ➔ “ManagementRestrictionOrRegulationZone” object type
 - ➔ theme 3.11
“area management/restriction/regulation zones and reporting units”

In Image

Spatial plan



Public utility easements

Timing

- ➔ July 2015: public utility easement beneficiaries
 - ➔ Delivery of their documents in digital form according to the CNIG "géo-standard"
- ➔ January 2016: local governments
 - ➔ Delivery of their spatial plans in digital form according to the CNIG "géo-standard" **as soon as they are modified**
 - ➔ Internet publishing of their in-force spatial plans (free format)
- ➔ 2020 : all on line documents (spatial plans and public utility easements)
 - ➔ in standardised digital form **will enter into force only if** published on the "Géoportail de l'urbanisme"

European and standard context

- ➔ Ordinance in line with the INSPIRE directive implementation
- ➔ Facilitating factors
 - ➔ Pre-existing CNIG standards “compatible” with the INSPIRE standards
 - ➔ The french www.geoportail.gouv.fr as the INSPIRE implementation in France
 - ➔ 56% of the spatial plan already in digital form according to CNIG standards
 - ➔ Ministerial experience through GéoADS for applying the building permits instruction

What it looks like

urbanisme

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Couches

Table de données sur l'entité sélectionnée

Zones des documents d'urbanismes

Attribut	Valeur
LIBELLE	UB
LIBELONG	zone d'urbanisation nouvelle proche de l'ancien bourg
TYPEZONE	U
DESTDOMI	01
NOMFIC	41226_reglement_20110707.pdf
URLFIC	http://bibliotheque.geo-centre.fr/ddt41/urbanisme/regl/41226_Saint_Ouen_PLU.pdf
INSEE	41226
DATAPPRO	2011/07/07

TITRE II – Zone U2

Afficher la légende

Croquis

Enregistrer

- L'implantation des constructions doit être compatible avec les principes d'aménagement définis par l'orientation d'aménagement et de programmation.
 - b. Dans le seul secteur U2c
 - b.1. Dispositions applicables aux unités foncières ayant une façade sur l'avenue Gérard Yvon
 - Les constructions doivent être implantées :
 - à l'alignement
 - Les étages en attique, en retrait de l'alignement, sont toutefois admis sur les deux derniers niveaux,
 - ou avec un retrait de 4 mètres maximum de l'alignement
 - Les étages en attique, en retrait de plus de 4 mètres de l'alignement, sont toutefois admis sur les deux derniers niveaux.

b.2. Dispositions applicables aux autres unités foncières

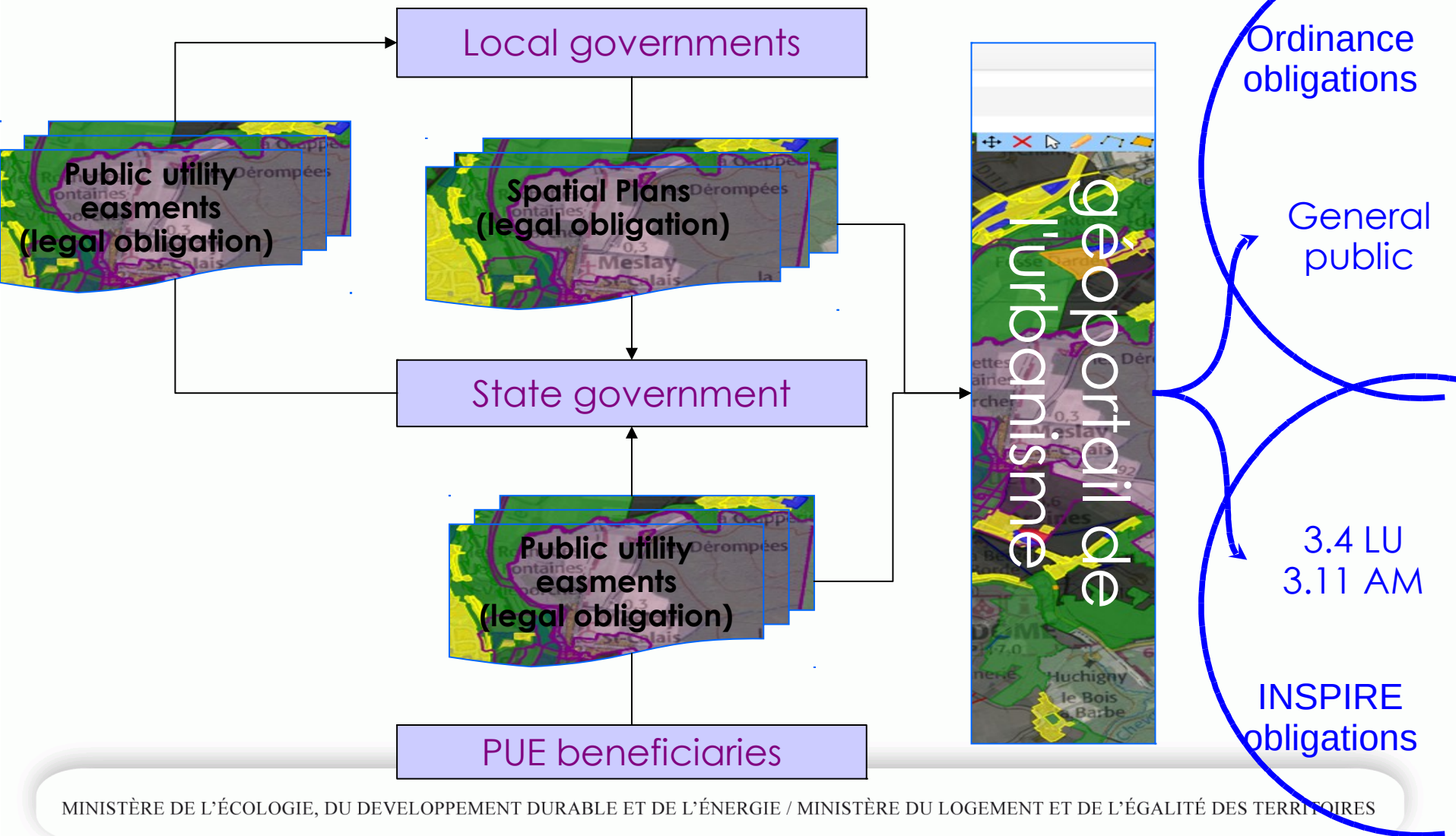
MINI

geoportail

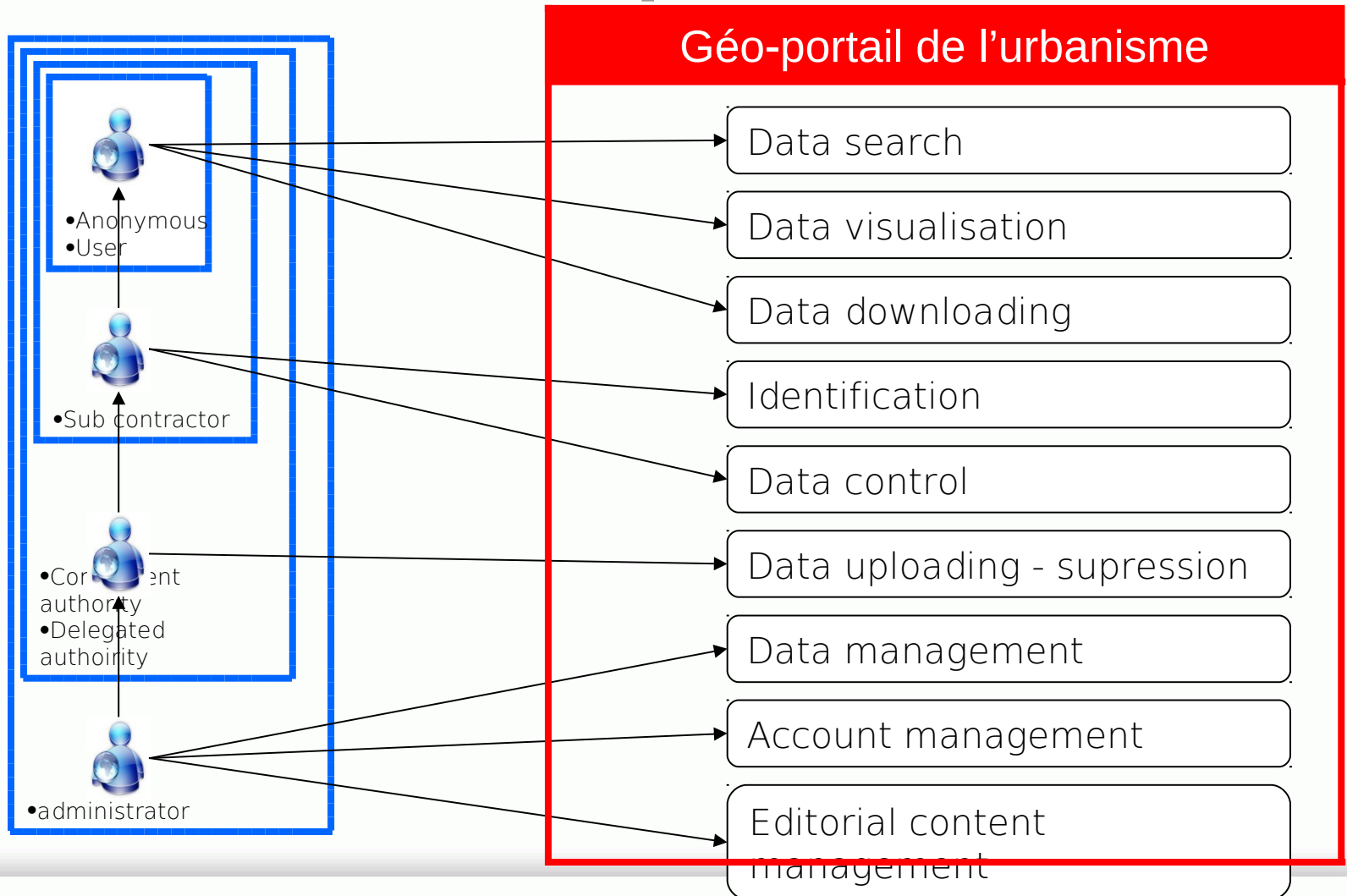
© IGN 2013 – Mentions légales

Challenges for continuous and distributed updating

Target organisation (Ordinance)

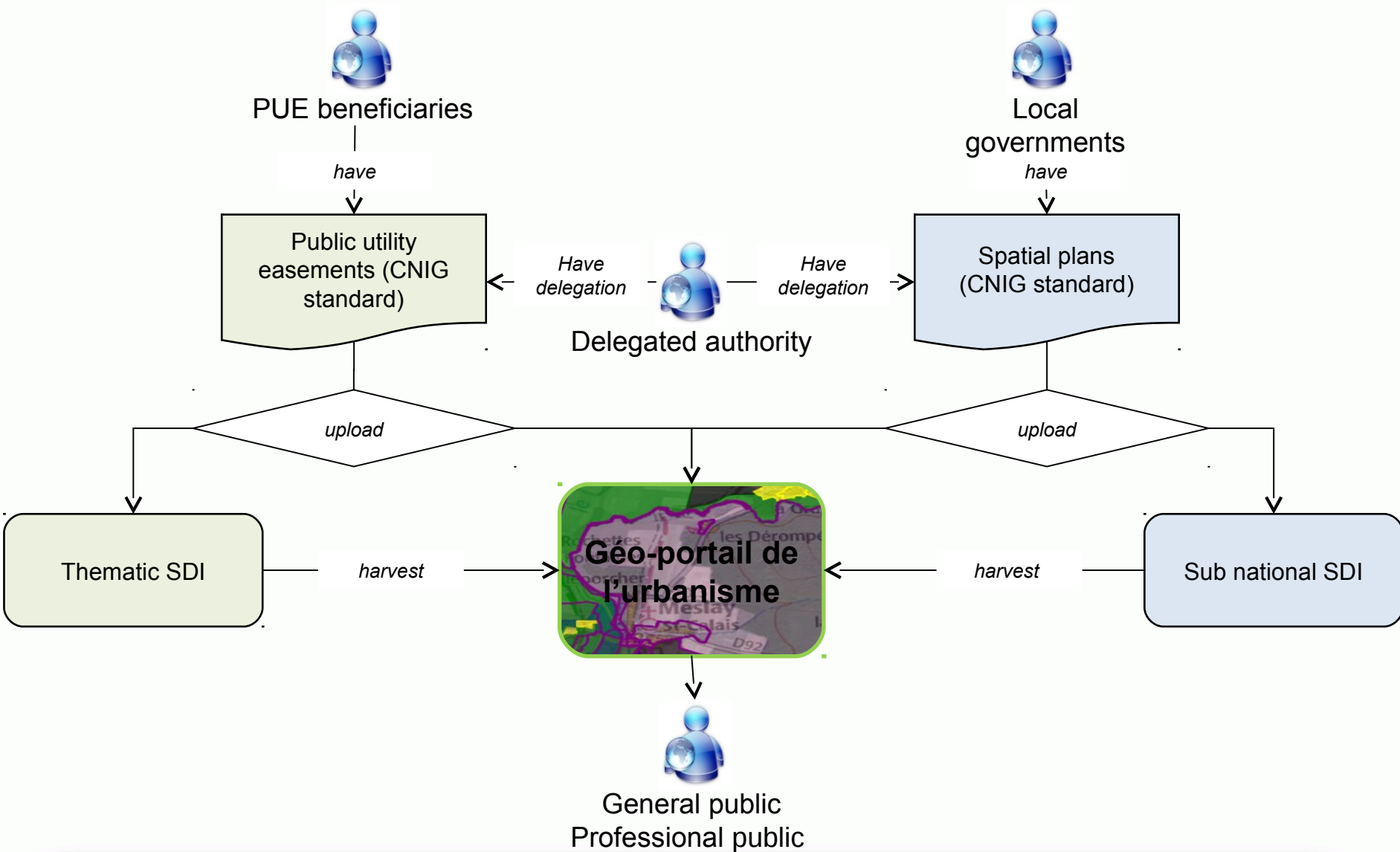


Users' profiles



Challenges for continuous and distributed updating

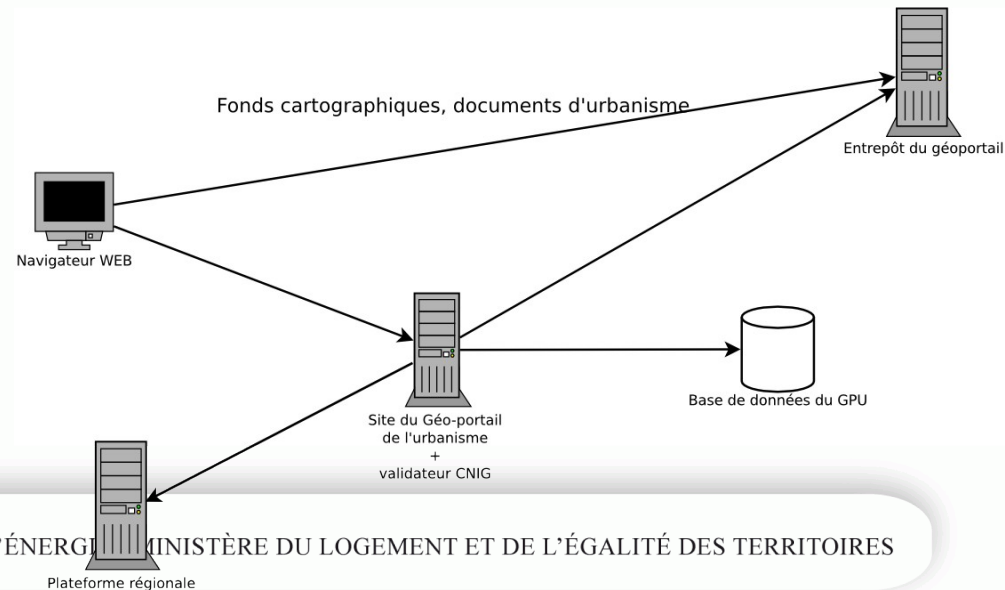
- ➔ Competent authorities in charge of uploading the “Géo-portail de l'urbanisme” with their documents at each création or updating
 - ➔ Can delegate its duties to a delegated authority
 - ➔ MUST explicitly designate its delegated authority if necessary
- ➔ Delegated authority
 - ➔ Inherits rights and duties of the competent authority that delegated
 - ➔ Could be
 - ➔ Local state governments authority
 - ➔ Sub national SDI
- ➔ Possible mechanisms
 - ➔ Automatic synchronisation (ATOM)
 - ➔ Web services (WFS)



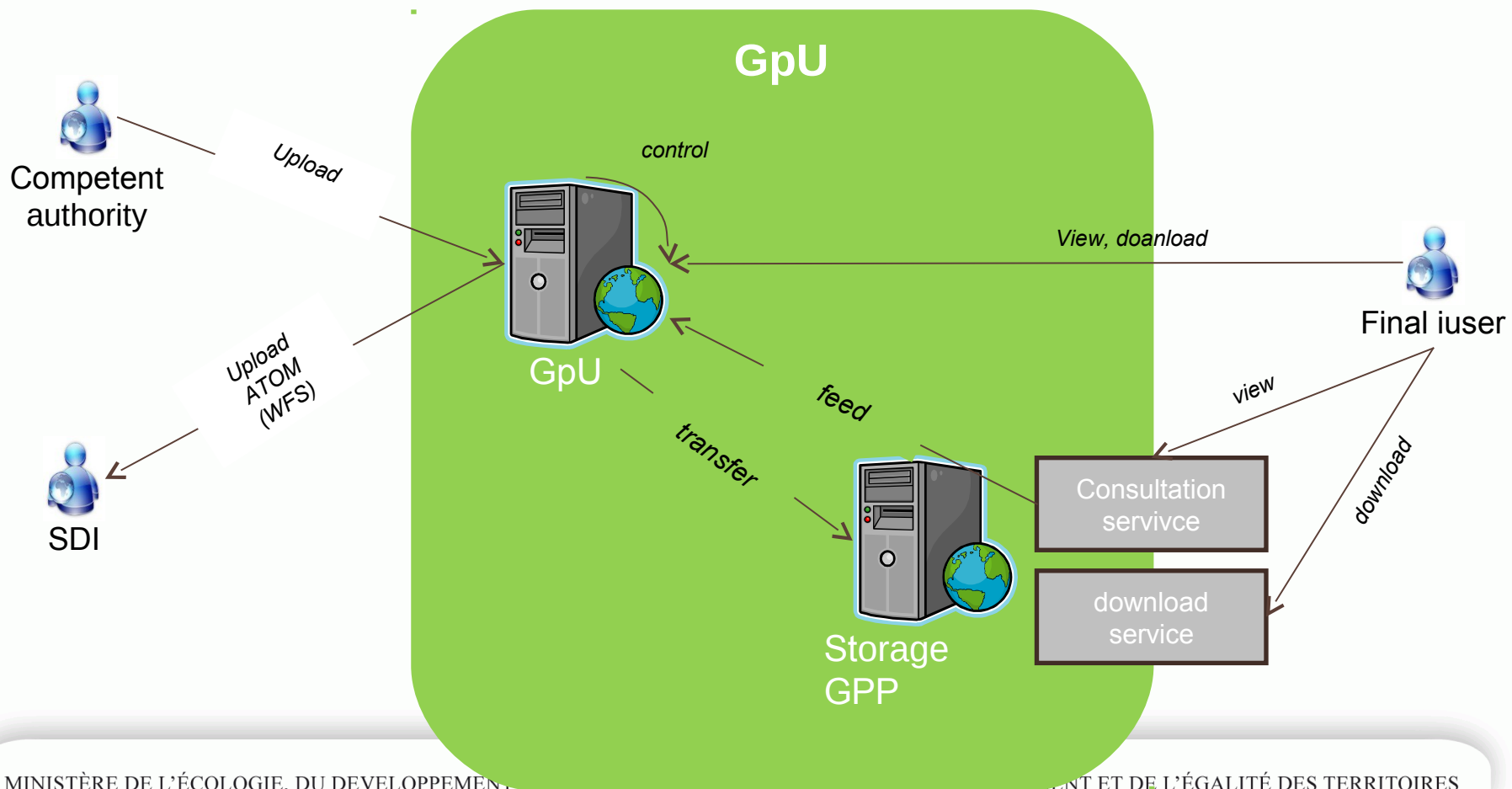
Competent authority registration

- ➔ A PDF form
 - ➔ Pre-filled form uploaded, printed, signed by the competent authority
 - ➔ Sent to the ministerial department for validation.
- ➔ Content:
 - ➔ Designation
 - ➔ Type of account
 - ➔ Name and first name
 - ➔ Poste occupé par le demandeur au sein de la structure
 - ➔ e-mail address
 - ➔ Geographic extent of responsibility (administrative unit)
 - ➔ Date
 - ➔ Signature

Views from the computer and organisational architecture



Technical architecture



Best practices reuse

- ⇒ Data standardisation
 - ⇒ For upload
 - ⇒ For automatic upload
- ⇒ Data structure validation
- ⇒ Existing data (stock) integration
- ⇒ Updating data (flow)
 - ⇒ Data set id
 - ⇒ Syndication system for automatique upload

Risk log

- ➔ How to avoid double dataset?
 - ➔ For metadata
 - ➔ For data
- ➔ How to assess that data comply with standard?
 - ➔ Many existing datasets do not already fully comply with CNIG standards
- ➔ How to meet technical and legal constraints
 - ➔ Duplicate data
 - ➔ to ensure equal performances everywhere
 - ➔ but ensure it is the document that is in force
 - ➔ INSPIRE implementing rules and recommendations

Conclusion

- ➔ The “géo-portail de l’urbanisme” is on its way
 - ➔ Ordinance published, regulations and recommendations on their way
 - ➔ Key conception phase is achieved
 - ➔ Detailed spécification is finalised
 - ➔ First developments are provided
 - ➔ Versions are planned
 - ➔ Version 1 end 2014
 - ➔ Version 2 mid 2015
 - ➔ (Version 3, 4, 5 etc.)
- ➔ INSPIRE was an incentive
 - ➔ During political push (with exemples from abroad NL-IE)
 - ➔ During definition (reuse of INSPIRE implementation via www.geoportail.gouv.fr)
 - ➔ When 100% operational (automatic translation to INSPIRE specification)

**Merci
Thanks
Tak**