

# Users Club UrbIS 11/06/2015

UrbIS Geolocation Web Service

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# Geolocation Service

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- Main functions
  - Address localization
    - From single field or separated fields address
    - From codes : ADNC, PWNC
    - Returns x, y
  - Reverse localization
    - From x,y
    - Returns nearest address
  - Get POI
  - Access : SOAP & REST

# Improvements

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- Single address field parsing and analysis
- Research results
  - Results
  - Score and use
  - Positioning
  - Errors management
- Reverse geocoding

# Improvements

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- Single address field parsing and analysis
  - Recognition of address elements
  - Confusions of police numbers and postal codes
  - Accents, Cases
  - Abbreviations
  - Synonyms
  - ...

# Improvements

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- Results
  - Abbreviations (e.g. chée)
  - Synonyms (e.g. Porte Louise)
  - Approximate address (e.g. Anderlec)
  - Special postcode (e.g. RTBF)

# Improvements

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- Positioning
  - when police number not found in a street
  - interpolation mechanism where applicable
    - Eg : 69 Av. Pierre et Marie curie
    - WS V1 : street centroid
    - WS V2 : interpolated address
  - center of the street for other cases



# Improvements

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- Reverse geocoding
  - “GetAddressFromCoord” function returns the address of the nearest address point from a given x,y point
  - “NearestAddressFromPoint” function returns the 5 nearest addresses from a given x,y point
  - “getAddressFromParcel” function returns the addresses of a land parcel on a given x,y point
  - “getAddressFromBuilding” function returns the addresses of the building on a given x,y point
  - “getAddressFromNearestBuilding” function returns the addresses of the nearest building on a given x,y point



# New Functions

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- Address validation to help encoding
  - the list of street names containing a string defined
  - the list of policy numbers of the street
- Language use
  - research opportunities in French, Dutch or both
  - provision of the results of research in French, Dutch or both
- Ability to geolocate crossroads based on the encoding of two intersecting streets

# Migration

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- Simply replace url prefix <http://service.gis.irisnet.be/urbis/> with <http://service.gis.irisnet.be/localization/>
- V2 compatible with V1 parameters
- V2 returns same fields as V1 plus additional fields
- Application expected to run without modification provided that good development coding practices followed
- Application has to be adapted to use additional fields or new functions

# Calendar

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- Availability V2 :
  - Now
  - Will run in parallel with V1
- Availability V1 :
  - For a limited time
  - Remove planned end Q4 2015
  - Give your feedback !

# To help you...

- CIRB site, UrbIS tools page

## UrbIS tools

Certaines données UrbIS sont accessibles via des web services qui répondent aux standards internationaux de l'OGC (Open Geospatial Consortium).

Intégrer un web service dans vos applications web et le paramétrer correctement nécessitent un minimum de connaissances techniques. Besoin d'assistance en ce sens ou intéressé à en savoir plus? [Contactez-nous](#) !

## UrbIS WMS et WMTS

A l'instar du [Portail Mobilité](#), de l'[Institut Bruxellois de Statistiques](#) ou de [Bruxelles, ville durable](#), le service UrbIS WMS (Web Map Service) permet l'élaboration de cartes interactives en superposant, par exemple, des éléments sur des données cartographiques UrbIS en fond de plan.

Basé sur un protocole standard Open Geospatial Consortium, il est utilisable par la plupart des solutions webgis actuelles, commerciales ou libres.

URL	<a href="http://geoserver.gis.irisnet.be/urbis/wms">http://geoserver.gis.irisnet.be/urbis/wms</a>
Standard OGC	WMS 1.1.1 - WMS 1.3.0
Description technique	<a href="http://geoserver.gis.irisnet.be/urbis/wms?service=wms&amp;version=1.3.0&amp;request=GetCapabilities">http://geoserver.gis.irisnet.be/urbis/wms?service=wms&amp;version=1.3.0&amp;request=GetCapabilities</a>

### Prévisualisation :

Services WMS : [Fond de plan UrbIS©©](#)

[Bâtiments](#) (nom de la couche : URB\_A\_BU)

Le service UrbIS WMTS (Web Map Tile Service) permet d'obtenir des cartes géo-référencées tuilées à partir d'un serveur de données sur le réseau.

<http://www.cirb.irisnet.be/fr/nos-solutions/urbis-solutions/urbis-tools>



# Web Services

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- Information :
  - Mail : [customer@cirb.irisnet.be](mailto:customer@cirb.irisnet.be)