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INSPIRE UN

Integrated in the KLIC service to prevent excavation damages

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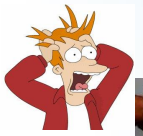
Kadaster Netherlands
KEN Workshop 181127
Use of INSPIRE data

Topics

INSPIRE - Infrastructure for Spatial Information in Europe


LOGICAL
INTERFACES
USER
SYSTEMS
DESIGN
DATA

KLIC

- Know where underground cables and pipelines are,
- Know who is planning to dig, when, for who, what, how …
- Contact between contractor and network operators
- Take precautions

☺ Common interest: prevent excavation damage

KLIC, a service to prevent excavation damage

- Initiative of network operators
- One call system since 1968
- Simple procedure:
  1. Excavator reports his planned work at KLIC
  2. KLIC reports the work to the network operators involved
  3. Every network operator informs the excavator:
     - ✓ The network plans of the reported working area
     - ✓ The data of the contactperson
     - ✓ Precautions to be taken
- Report by: telephone > +fax > +email > internet
- Network plans: paper > bmp > transparant PNG

Information 2008-2018

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Klicnummer: 12O003662 - 1	Aanvraagdatum: 26-01-2012	Bladzijde 1 van 9

Verzamelkaart (alle thema's)

KPN dalatransport | dw water | Ziggo BV dalatransport | Enexis gas hoge druk | Enexis laagspanning | Enexis middenspanning | Enexis gas lage druk | eqoosterhout riool vrijval

Theme:			
Gas low pressure	Or/Yellow	255,215,80	
Gas high pressure	Or/Yellow	255,175,60	
(Petro)chemical	Brown	182,74,0	
Sewer reg.flow	Purple	186,56,168	
Sewer w/pressure	Violet	128,0,128	
Warmth	Green/Bleu	0,128,128	
Water	Bleu	0,0,255	
Orphan	Black	0,0,0	
Other	Black	0,0,0	

Research

- The industry needs a continuous improving service
- Also: I needed a master project for my study

Research question 2012:

“What do stakeholders expect from future information exchange of underground infrastructure in the Netherlands, within the context of national and European legislation and what conceptual architecture fits best?”

Ministerie van Economische Zaken, Landbouw en Innovatie
GPKL.nl
VELIN
netbeheer nederland
energie in beweging
Agentschap Telecom
Ministerie van Economische Zaken, Landbouw en Innovatie
NLkabel
vereniging van kabelbedrijven
kpn
kadaster
Vewin
ENEXIS
Ministerie van Infrastructuur en Milieu
Unie van Waterschappen
essent
NAM
HDI GERLING
Interlloyd group
Als het er op aankomt
Geodan
logica
Capgemini
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vhg
Bouwend Nederland
de vereniging van bouw- en infrabedrijven
PLATFORM31
kennis van stad en regio
WAGENINGEN UR
For quality of life

Strategic goals

1.Less excavation damages

2.More efficient information process

3.Share information in other domains

User demands:

- Ubiquitous
- Analizable
- Interoperable

+ More area information

+ Filing system

INSPIRE

- 90+% network operators are obligatory
- Deadline: 3/12/2013
  - Metadata on national registry NGR
  - WMS/WFS with data as is
  - Meeting QoS
- Deadline: 2020
  - Harmonized data

KLIC versus INSPIRE

	INSPIRE	
Vector data	√	√
Standardized	√	√
WMS / WFS	√	√
QoS	+	++
Open	√ …	X
Free	√ …	X
Unlimited area	√	X
Anonymous	√ …	X
Complete	X	√

KLIC meets INSPIRE

- Datamodel: INSPIRE extended
- Central portal for all KLIC-products
- INSPIRE as an extra product of KLIC
  - Sign up procedure
  - Request procedure
  - Delivery procedure
  - Rate based
  - Telecom does not join!

☺ INSPIRE does not cannabilize KLIC

Roadmap

Legal issues

- WION
- INSPIRE
- GDPR (privacy)

- Building 95% ready
- Implementation first products in january
- Transistion period 6 months

Benefits from INSPIRE

- Need to standardize
- Vector data
- Webservices
- Collaboration within the sector
- Sense of urgency

However …

- Incomplete (telecom is missing)
- NL-dataset is richer
- No usecase for pan-European dataset (?)
- No users for the INSPIRE-product in NL