BeGe0 2024

IGN

DE ULTIÈME CONNECTIE

Enhancing Citizen Participation in Smart Cities through Open Data and Artificial Intelligence

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begeo.be

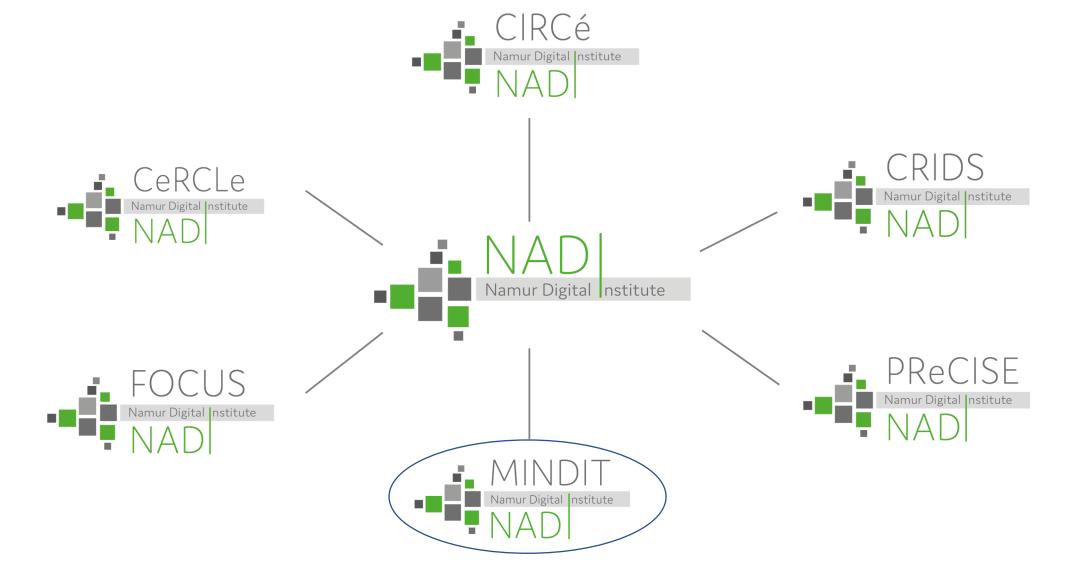
Sponsored by













Transforming organizations with research on the Management of Digital Strategies, Decisions and Processes

Digital Strategy

Helping people in organization seize the full potential of digital technologies and better apprehend their integration

- Enterprise architecture
- IT governance
- Digital transformation
- Novel uses of digital solutions
- Sustainable IT

Decision Support

Supporting manager and decisionmakers in organizations with digital and data-driven solutions

- Integration of Data, Information& Knowledge management
- Decision support systems
- Business Intelligence
- Decision-maker profiles

Process Management

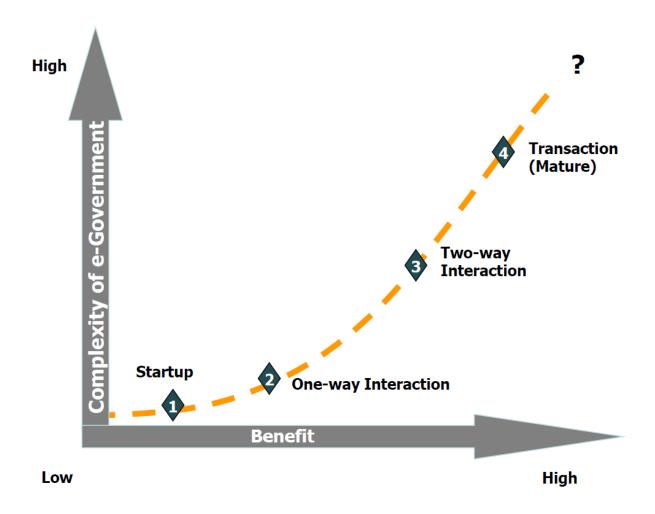
Solving enduring challenges related to business processes with the help of disruptive digital technologies

- Cross-organizational processes
- Decentralized applications
- Process mining
- Business process management

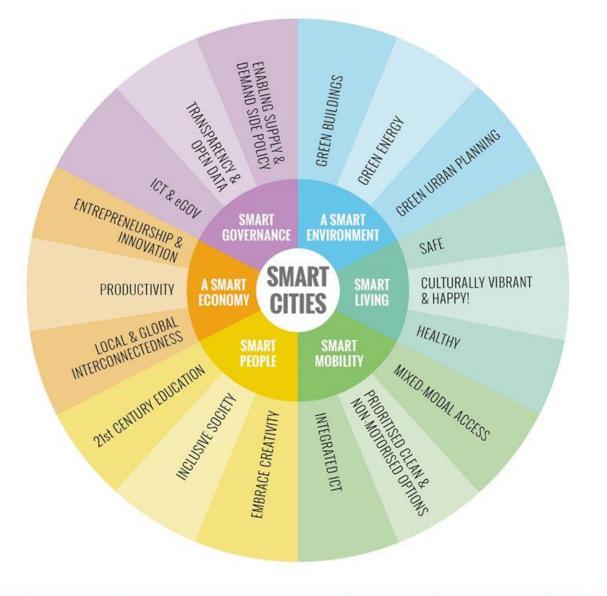
- 1. Big data & artificial intelligence
- 2. Collaborative economy
- 3. Co-innovation & co-creation
- 4. Security & Privacy
- 5. Software & Systems
- 6. Smart cities and e-government
- 7. Ethics and technology
- 8. Digital Education

https://nadi.unamur.be/research





"A city is smart when investments in human capital, social capital and conventional and modern infrastructure enable sustainable economic growth, a better quality of life and sound management of natural resources, through participatory governance" (Caragliu et al., 2009).













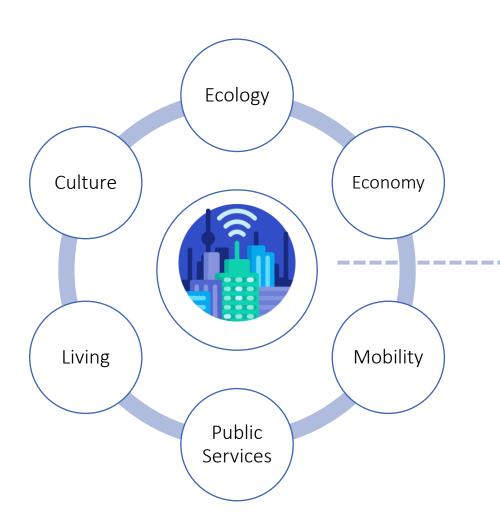
















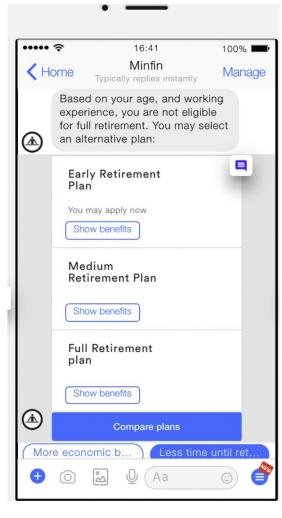
Digital Technologies as enabler

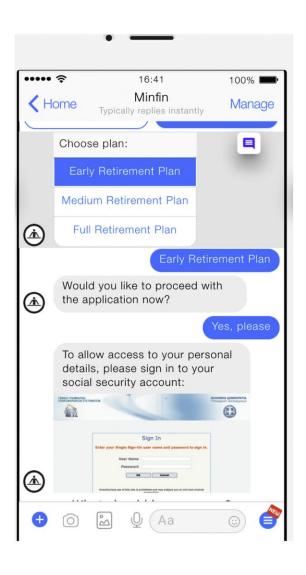




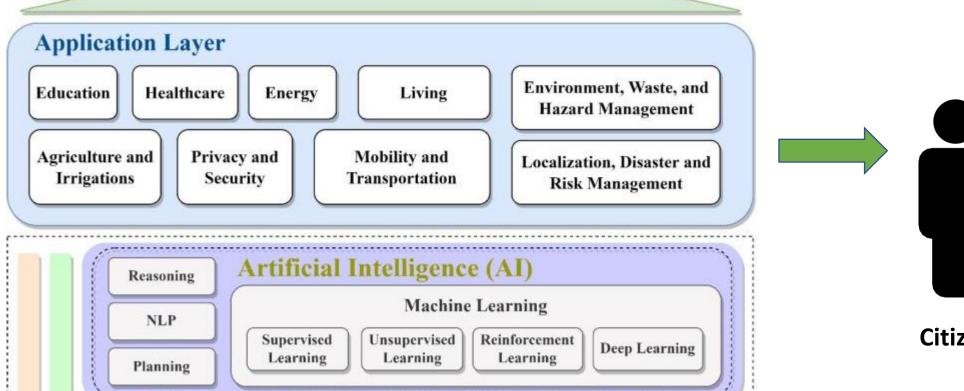


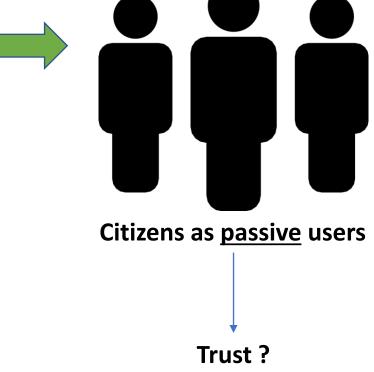






Do you have smart city projects you are involved in?





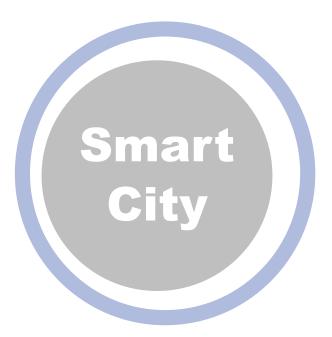
Big Data (Capture, storage, and analysis of data)

IoT (Data collection through IoT)





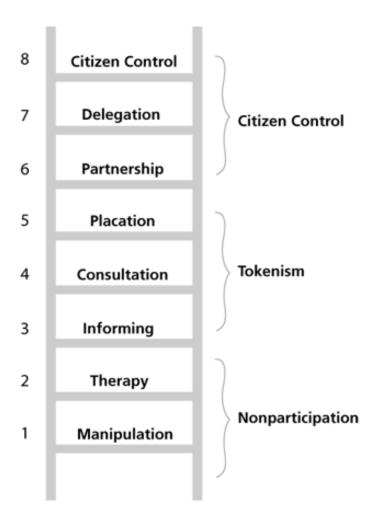




Citizens as Participants



How to involve citizens in smart cities? Examples?



Arnstein's Ladder (1969)

Degrees of Citizen Participation



Education

Healthcare

Energy

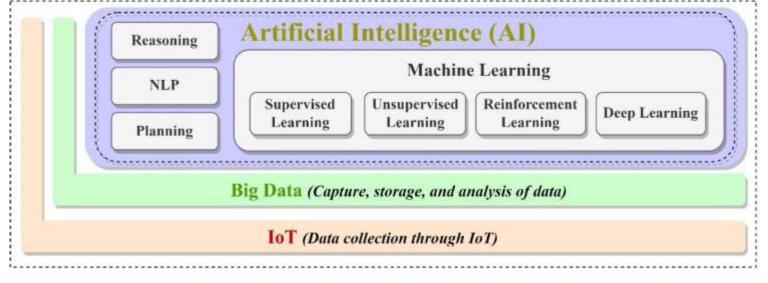
Living

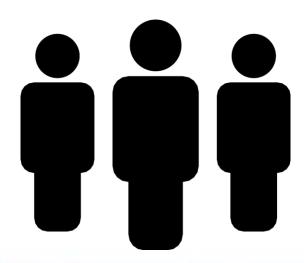
Environment, Waste, and Hazard Management

Agriculture and Irrigations Privacy and Security Mobility and Transportation

Localization, Disaster and Risk Management







Application Layer

Education

Agriculture and

Irrigations

Healthcare

Privacy and

Security

Energy

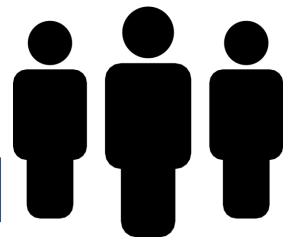
Living

Mobility and

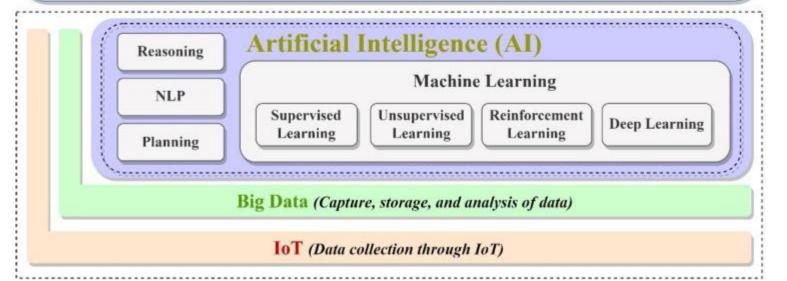
Transportation

Environment, Waste, and Hazard Management

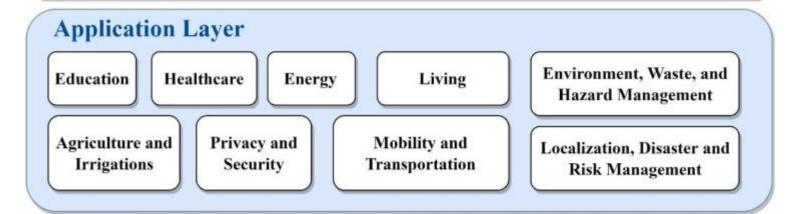
Localization, Disaster and Risk Management AI-Enhanced Participation?

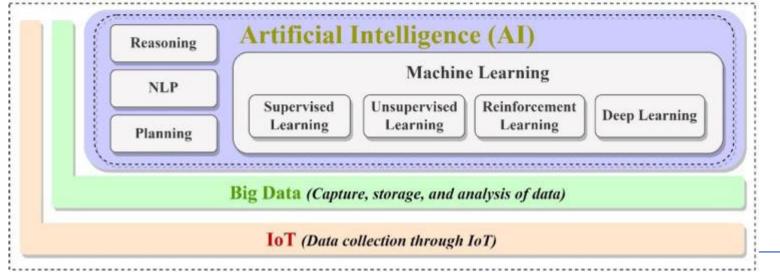


Citizens as Democratic Participants



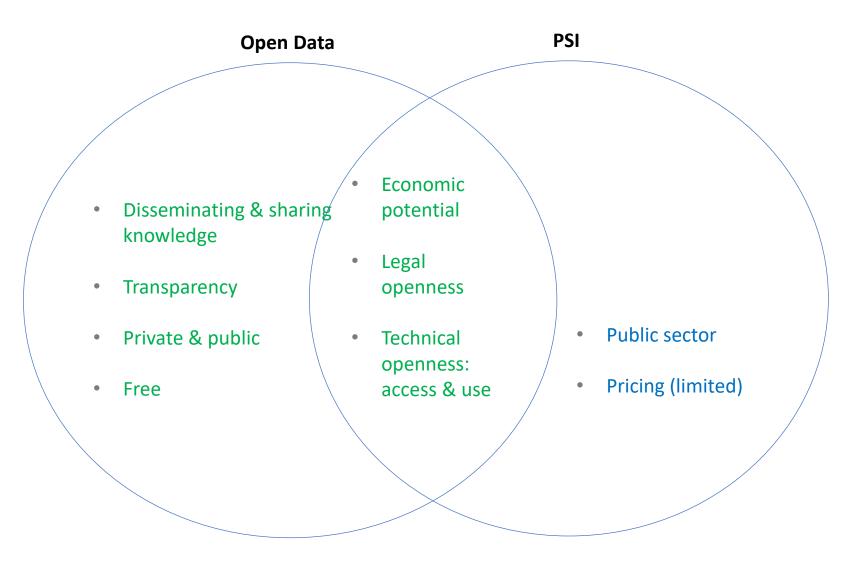




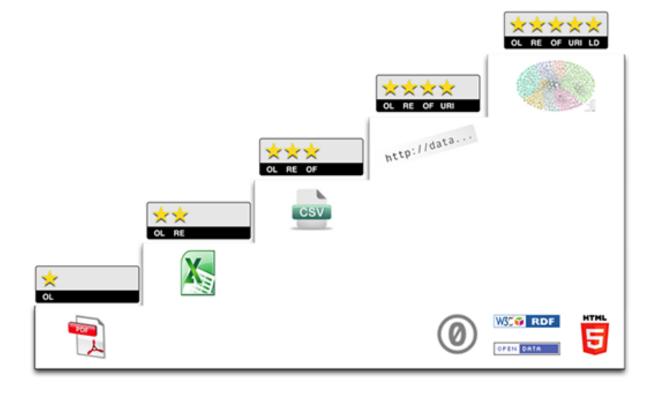




Citizens as Open Data Consumers



5 ★ Open Data



There are many ways to reuse data

- Mobile or web applications
- Data journalism
- Data visualization
- Artistic works
- Research and statistics...

But in practice use is fairly low



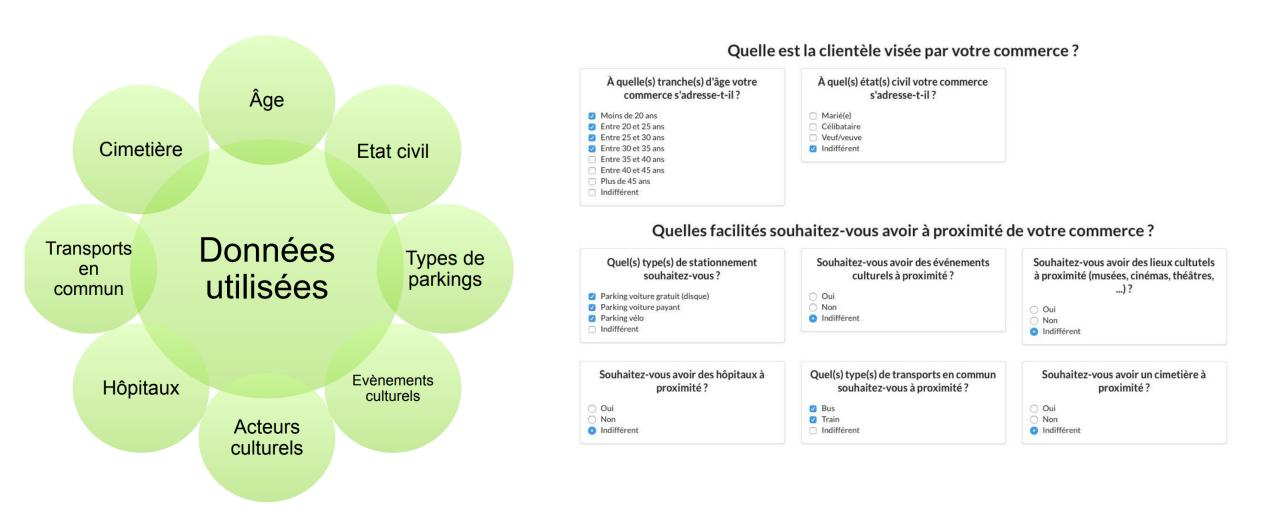




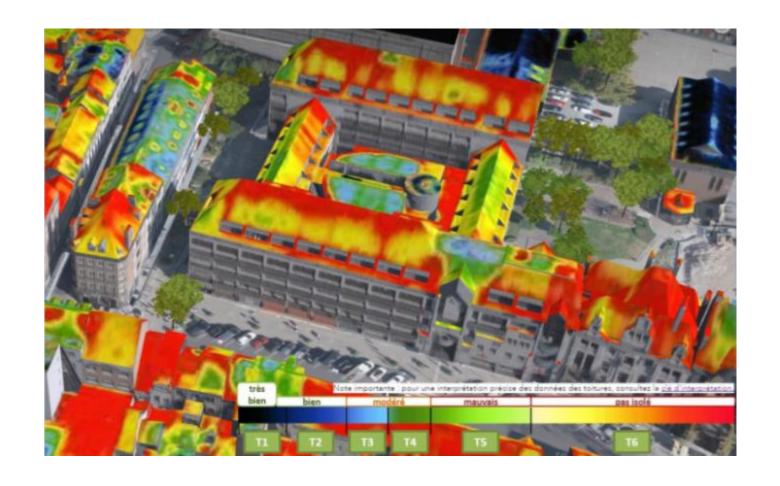
L'UNamur planche sur l'open data

LUC SCHARÈS Publié le lundi 17 décembre 2018 à 17h16 - Mis à jour le mardi 18 décembre 2018 à 09h14











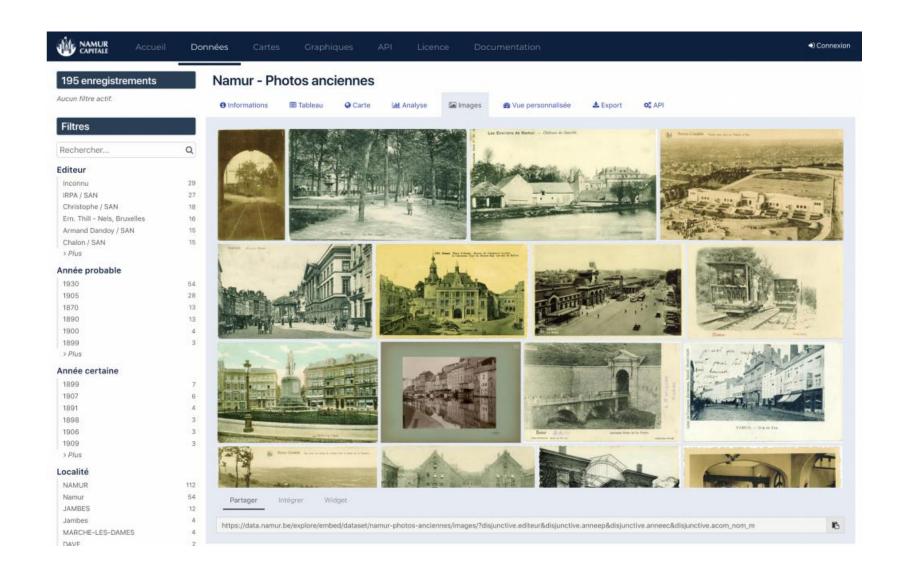


Bienvenu sur le calculateur de prime énergétique

Un atout pour votre habitation et pour l'environnement

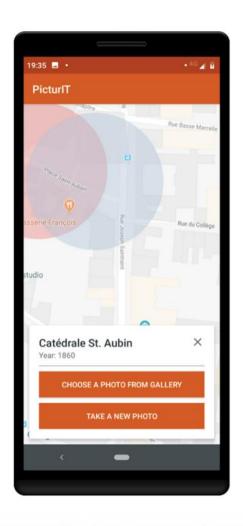














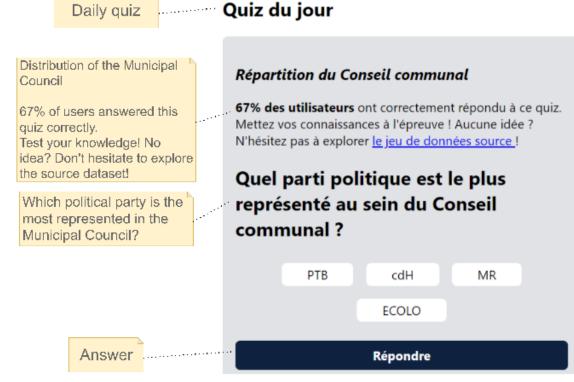


Pictur

- Find a useful idea applicable to Namur
- Metadata quality
- Data quality (e.g. missing essential information)
- Combination of data impossible
- Little or no longitudinal data

- Stimulating the use of Open Data
 - Collaboration with the academic sector
 - Collaboration with the private sector
 - Success stories
 - Reuse awards
 - Hackathon
- Usability of Open Data
 - Citizen needs analysis
 - Portal usability
 - Metadata
 - Possibility of integration





Do you see other ways to enhance Open Data usage?



Public authorities





- Open Data (https://www.data.gov/)
- Federal Government Information (https://www.foia.gov/)
- Federal IT investments (https://itdashboard.gov/)
- Monitoring Government spending (https://www.usaspending.gov)
- Government services (https://www.usa.gov/)
- Debate bills and regulations (https://www.regulations.gov/)

Thank you for your attention.

Let's connect and discuss ©

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