



**Lyon, web & meetup tuba  
april 25**





The Green Cathedral or De Groene Kathedraal located near Almere Netherlands, is an artistic planting of Lombardy poplars (*Populus nigra italica*) that mimics the size and shape of the Cathedral of Notre-Dame, Reims, France. The Green Cathedral is 150 m (490 ft) long and 75 m (246 ft) wide, and the mature poplar trees are approximately 30 m (98 ft) tall. The work was planted by Marinus Boezem (b. 1934) on April 16, 1987, in Southern Flevoland.



NGI: operationalizing a set of coherent centralized protocols in a fully permission less way



IF DATA IS THE NEW OIL  
YOU HAVE TO OWN THE  
DATA FROM YOUR  
PEOPLE, PROCESSES  
AND MACHINES.



Continuous Innovation in products and services

Security/Identity as a service

Privacies: levels of accountability+rights

Passport/Device as #IoT controller

Wise Services

Smartest places/smart cities

VWAN

data entitlement layer – sovereign entities (citizens) in control

1

BAN (mental) Health

2

LAN  
Smart Home, electricity, sharing services, Internet of neighborhoods

3

WAN : connected car, telematics, ev, av, shared mobility solutions

lean testing in co-creation – innovation and maintenance

device entitlement layer- pragmatic cybernetics –hardcoded governance ( new elite leadership)

Governance / Legal

device entitlement layer- pragmatic cybernetics –hardcoded governance ( new elite leadership)

# THE 21TH CENTURY IS ABOUT NEW FORMS OF ORGANIZING

- resources are equals
- dignity and respect for the notion of becoming itself goes hand in hand with everyday practices
- ethics will be to be tuned to a world of digital twins
- business and governments can only survive and thrive in regional ecosystems
- there are no global solutions, no more 'globalization'

# TRANSPARENCY TRUST AND ETHICS

- You need to own the system.
- Then we need to dismantle it and slow it down.
- The world is more than shopping and clicking in Facebook.

# COURAGE AND VISION; HEART AND MIND GO HAND IN HAND

- The trick is to do extreme centralization on hardware, infrastructure and spectrum, security and extreme decentralization on services **at the same time.**

The background features a complex, abstract geometric pattern composed of various blue and dark blue polygons, including triangles and hexagons, arranged in a way that creates a sense of depth and movement. The colors range from a deep navy blue to a bright, vibrant blue.

# PRAGMATIC CYBERNETICS



# BLOCKCHAIN PROJECTS

## DUTCH GOVERNMENT

**35 projects**  
25+ participating governmental organizations

**MINISTRY OF INTERIOR AFFAIRS**  
Conducted research into the potential powerful combination of digital identity and Blockchain.

**MINISTRY OF JUSTICE**  
Did research to the possibilities to use Blockchain for the execution of the judicial decisions of juvenile courts.

**COURT OF AUDIT**  
Investigated whether the role as controller of 240 billion Euros of yearly expenditures by the central government would change as the result of blockchain based administrations.

**HUMAN ENVIRONMENT AND TRANSPORT INSPECTORATE**  
Rethought the administrative and logistical process of handling toxic waste from the Netherlands to another EU State.

**HUMAN ENVIRONMENT AND TRANSPORT INSPECTORATE**  
Developed a blockchain based system for the tracking of working and resting hours of truck drivers.

**MINISTRY OF FINANCE**  
Built a prototype on Ethereum in collaboration with ING to improve the process of financing the development of new school buildings. This administrative and financial process involves multiple governmental organizations.

**CITY OF THE HAGUE**  
Developed a significantly improved (and highly automatized) regulation for subsidies on electric vehicles.

**CAK**  
Created a blockchain process to make the financial and administrative process for subsidised public healthcare services more efficient.

**CHAMBER OF COMMERCE**  
Developed the business case for a blockchain service to make it possible to quickly establish a temporary foundation.

**CITY OF AMSTERDAM**  
Looked into more simple and efficient ways to apply for a personal healthcare budget than the current complex financial and administrative process.

**STICHTSE VECHT**  
Streamlined the process of requesting specific healthcare service (for example: wheel chair, stair lift) that requires data sharing with several other governmental organizations.

**CITY OF SCHIEDAM**  
Developed a blockchain system to streamline the internal financial administration.

**CITY OF SCHIEDAM**  
Created a use case for a blockchain based system to improve the process debt counseling.

**CITY OF SCHIEDAM**  
Improved the process of assigning and controlling parking spaces for disabled citizens.

**CITY OF ZUIDHORN**  
Developed a prototype of a blockchain based service to make it easier to get subsidies from different aid organizations.

**CITY OF ZAANSTAD**  
Established a procedure for a DIY marriage and divorce on the blockchain.

**HEALTHCARE INSTITUTE**  
Built a prototype on Ethereum to create a clear overview of authorisations in the healthcare process.

**JUSTID (JUDICIAL INFORMATION SERVICE)**  
Worked out a proof of concept for a log of what information is shared with whom at what time during a criminal trial process.

**CADASTRE, LAND REGISTRY AND MAPPING**  
Developed a use case for Blockchain based relationships with the Delft University of Technology.

**LEGAL AID BOARD**  
Created a use case for a faster, more secure and automated process for the attribution of legal support.

**RECHTSTEDEN**  
Created a use case for blockchain to streamline the process of the registration of citizens.

**PROVINCE OF NOOD-ORBANT**  
Developed a use case that makes it possible to redistribute (income) tax money as soon as it gets deducted from an employee's income.

**CITY OF UTRECHT**  
Created a use case for the improvement of data sharing in the waste sector.

**PROVINCE OF NOOD-ORBANT**  
Developed a use case that makes it possible to reduce the time to get through the administrative and financial processes for subsidies from 13 weeks to 13 minutes.

**CITY OF EINDHOVEN**  
Developed a blockchain use case for speeding up the process of the land parcel transfers.

**BAR ORGANISATION**  
Rethought the permit system for organizers of larger events (concerts for example) which requires the police, the municipality, the fire department and other organizations to get access to the same info realtime.

**blockchainprojects.nl**

# THE 21TH CENTURY IS ABOUT NEW FORMS OF ORGANIZING

- scale horizontally
- forget 'big'
- new forms of organic leadership
- re-evaluate praxis of self-organization as tuned to networked organizations (malatesta, makhno, kropotkin)
- europe as attitude and set of coherent centralized protocols in fully permission-less way



# NGI MOVE

- @robvank
- [ngi.eu](http://ngi.eu)

