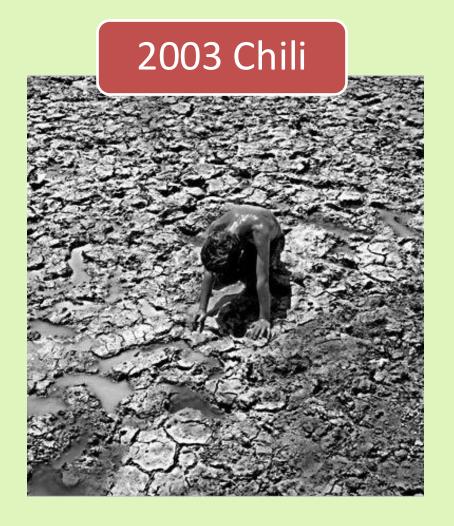
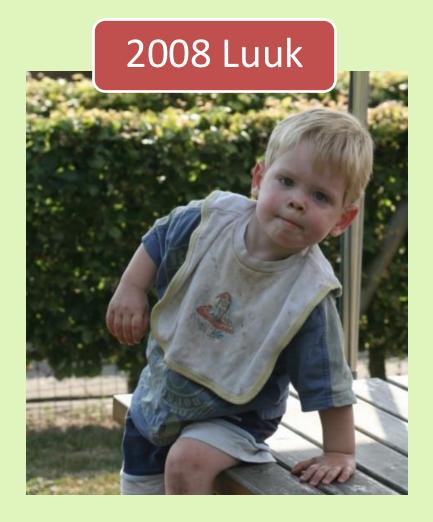
Boekel Ecovillage

An inspiring example of sustainable living Living Lab for sustainable innovations



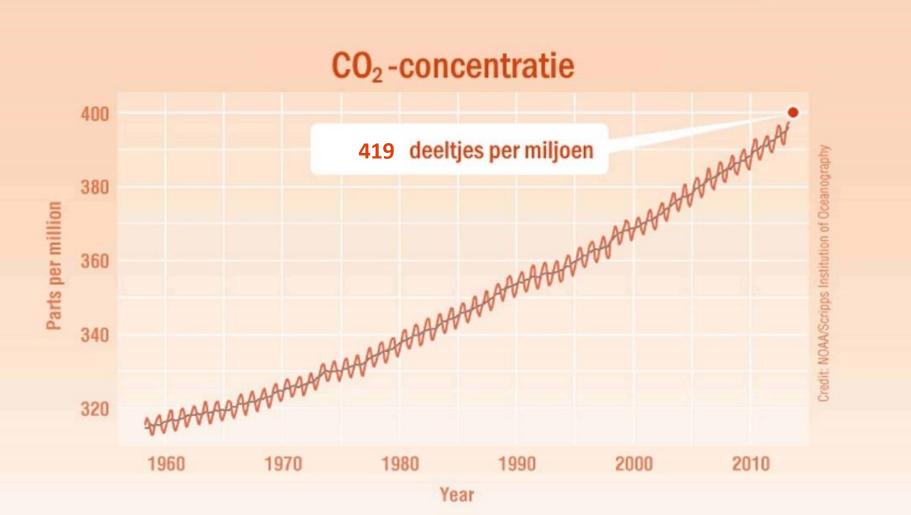
Why did we want this?





CO₂ negative, why?

Last time so much CO2 was in the atmosphere...



That's why!



Who: That's why you should care too!



1.000.000 housesBiobased:35 megaton CO₂storage

1.000.000 houses Regular: 26 megaton CO₂ output





Boekel Ecovillage

designed to be resilient to weather extremes



Building sector











exceptional integral design

One element for more functions integral design



green roofs

roofs last

twice langer

resilient against

extreme hail

extreme heat extreme rain fall

storms

with

all

particles

carbon storage

oxygen plant

cooling house

how to make

your own

green roof

rain water

efficiency on

solar panels

Project Ecovillage Resilience >2,5°C



Community Resilience Tracker

The community resilience tracker is a tool to explore and nurture resilience by revealing areas of strength and places that need more attention – whether you live in an ecovillage, town, city neighborhood, village or transition initiative. It is based on six attributes of resilience and 32 questions where your can rate your community using a sliding scale of 1 – 5. When you finish, you get an immediate visual snapshot of strengths as well as opportunities for areas to grow, learn and improve to be even more resilient in a rapidly changing world.

LEARN MORE

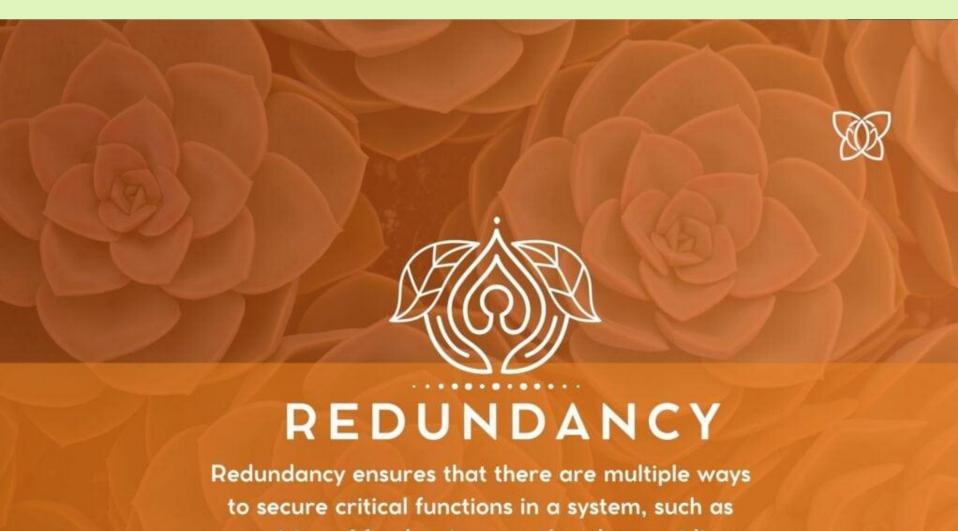




DIVERSITY

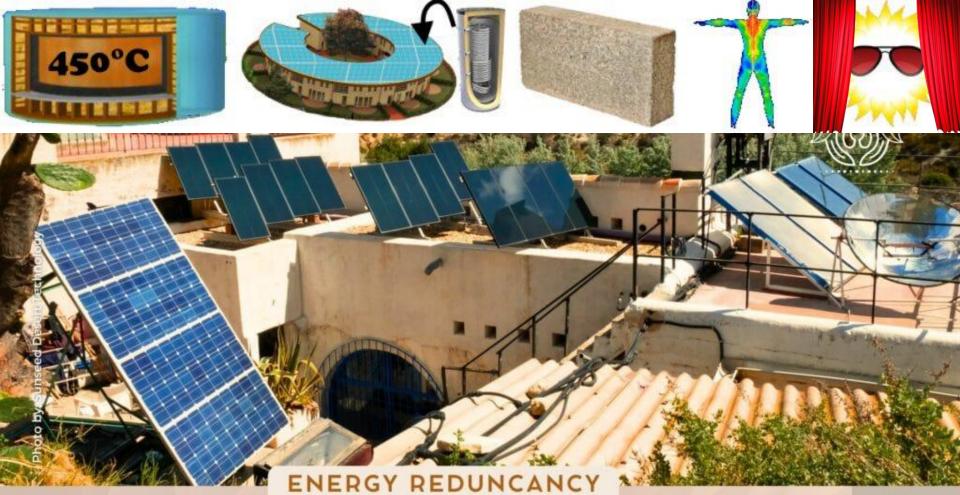
Diversity provides the ability to respond in diverse ways to systemic changes and shocks, and provides sources of innovation for novel conditions

(Rockström et al. 2023)



provision of food or income, thereby providing 'insurance' and reducing single point failure.

(Rockström et al. 2023)



Produce and use diverse sources of renewable energy

Community members' main energy systems use renewable energy and have back-up systems in place that can effectively stand in for main systems indefinitely if necessary



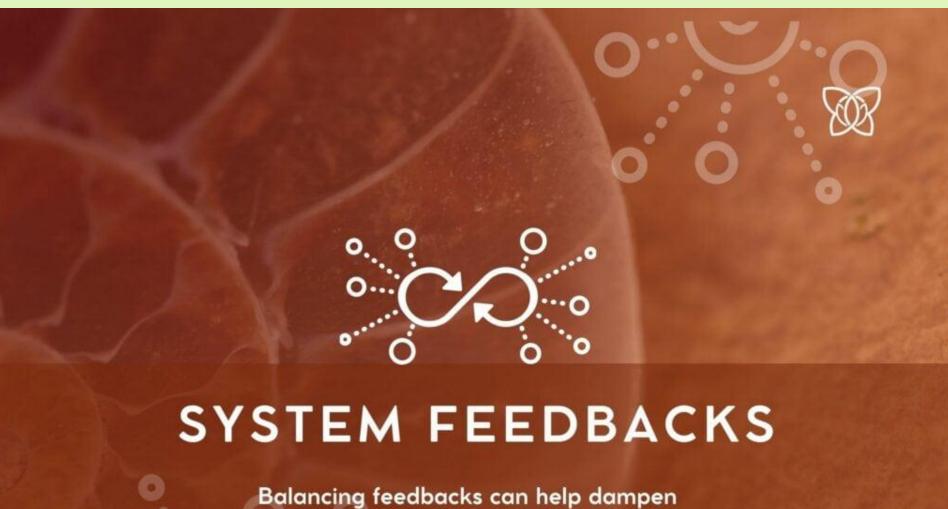




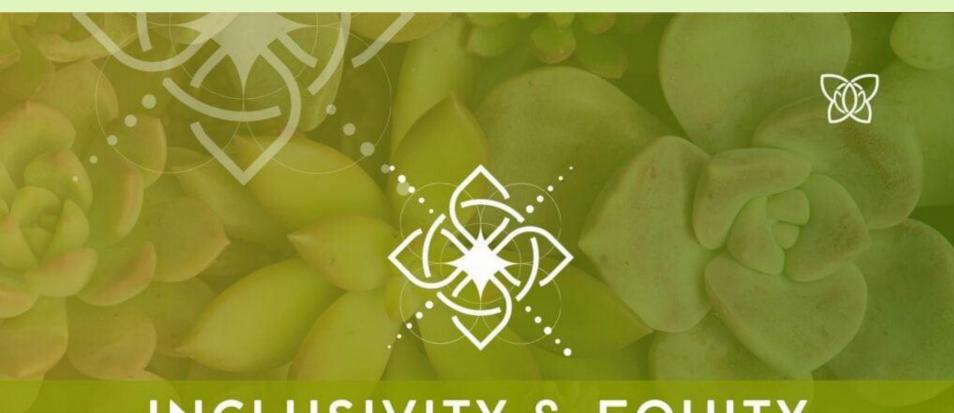
BALANCING CONNECTIVITY

Connectivity can enhance resilience through links to resources when they are locally scarce, and facilitate coordinated responses to shocks. However, if connectivity is too high, a localized disturbance can spread throughout the system or knowledge can become overly homogenized

(Rockström et al. 2023)



Balancing feedbacks can help dampen the effects of change in ways that may prevent a problem from growing



INCLUSIVITY & EQUITY

Inclusivity and equity are important for building trust and facilitating collective action for responding to volatility and change. More equal societies (in terms of human development, income, access to resources) are less prone to instability and conflict.

(Rockström et al. 2023)





ADAPTIVE LEARNING

Adaptive learning is the ability to detect changes (especially slowly unfolding changes in system feedbacks and dynamics), learn from them and tailor management strategies accordingly

(Rockström et al. 2023)

Follow up Project Ecovillage Resilience



Keystone Communities Project

Building on insights, tools and capacities built through our exploration in the 'Ecovillages 2.5+: Community Resilience in the Face of Catastrophic Climate Change' project, this project will reflect our ongoing commitment to scale and amplify the capacity of local communities to be resilient sources of wider transformation able to function also when larger systems falter or collapse.

LEARN MORE

Ecodorp Boekel

Living Lab for multiple levels of government

Ecodorp Boekel wordt mede mogelijk gemaakt door het Europees Fonds voor Regionale Ontwikkeling, het Rijk en de provincie Noord-Brabant in het kader van OPZuid.





Provincie Noord-Brabant



Nr 1!

Provincie Noord-Brabant

€ 1,2 million
Investment in the future

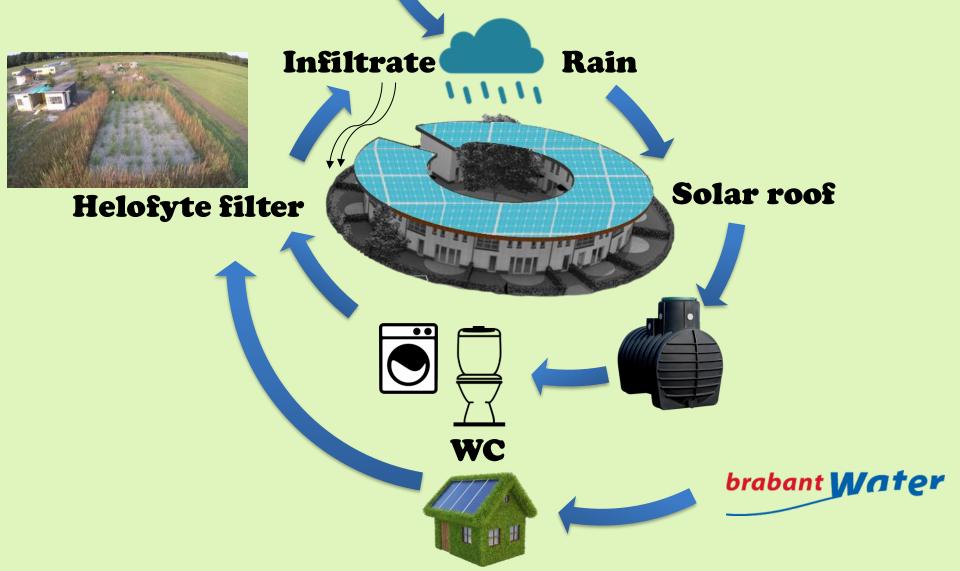


Water plan





Extreme rain and drought



Heating with CESAR heat storage



vpro tegenlicht



Heating with CESAR heat storage



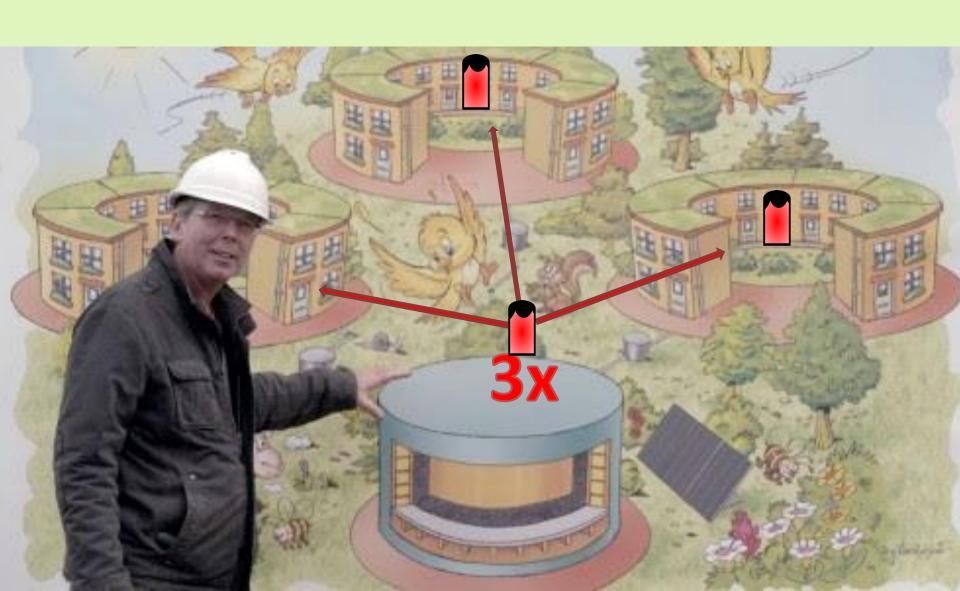




Heating with CESAR heat storage



vpro təgənlicht





Circular building

Foundation



98% circular Waste=resource









Biobased building





808 ton CO2























How to make a NATURAL GREENROO How to make a 1 1 13 Florerende ecosystemen **How to make**

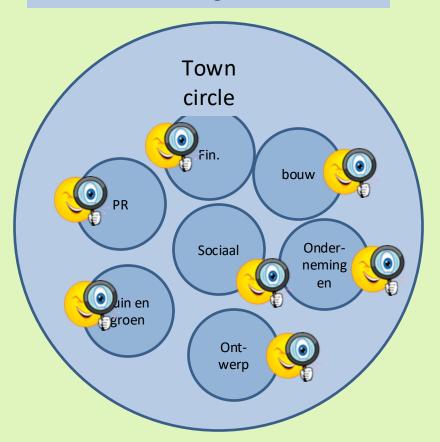
globalgoalscommunity.eu

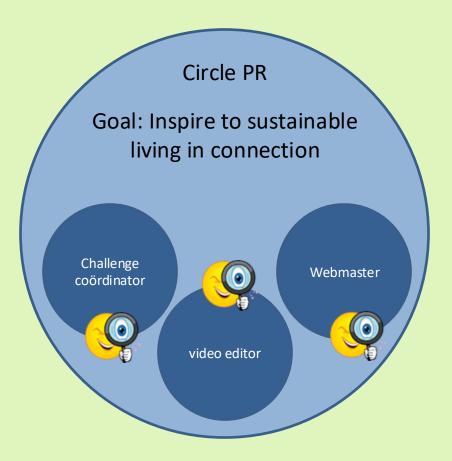
3 Governance



Decision making: Holarchy

Boekel Ecovillage
Goal: Inspiring example of
sustainable living in connection





3 Governance



Meetings with Holarchy



present

plan

Desired goal

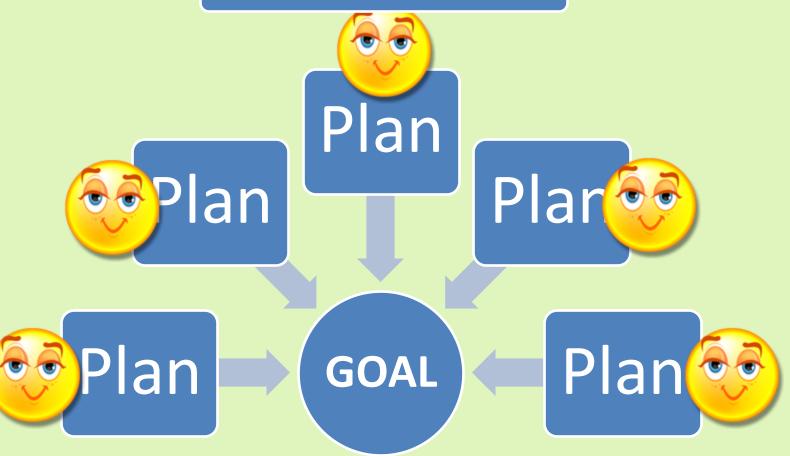
tension



3 Governance



Meetings with Holarchy



5 Structure

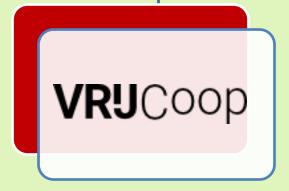






VrijCoop social rent





Controlling member



main member

5 Structure



VrijCoop: sister of Mietshäuser Syndikat



Since 1992



€300 million



VRUCoop

Since 2019





5 Structure





7 Networks

Overlegorgaan Infrastructuur en Milieu

VAN LAARHOVEN COMBINATIE

ARCHITECTUUR & LANDSCHAP



achmea

NEDERLAND CIRCULAIR!

