

# **Wat houdt ons tegen?**

**Jan Geerts**

**Seven / futureproofbuildings.eu**

**Eelco Dekker**

**JADE architecten / jadearchitecten.nl**

**“Knowledge comes from learning.  
Wisdom comes from living.”**

**Anthony Douglas Williams**



jadeimpact - Jan Geerts & Eelco Dekker

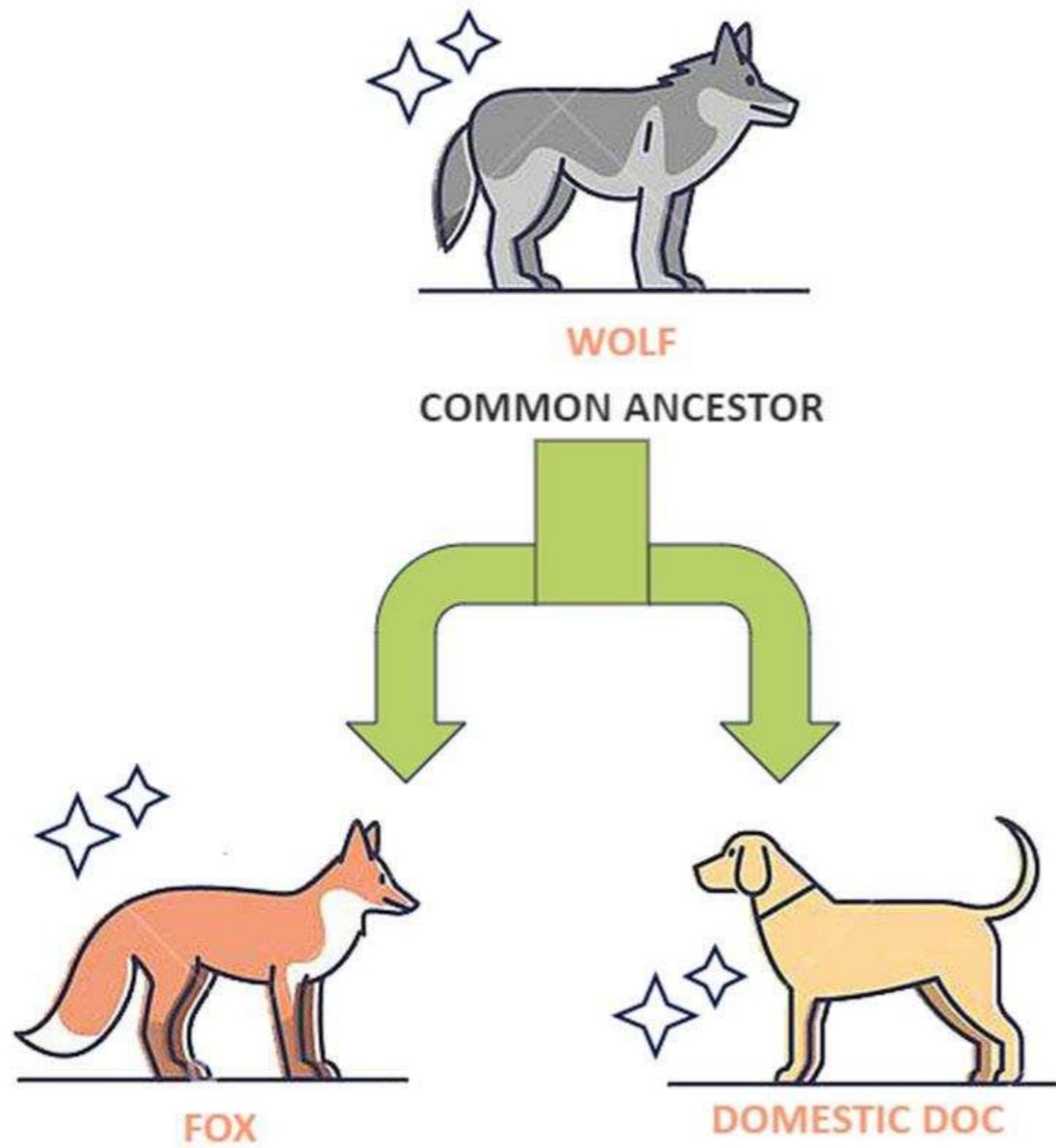
Lowtech Festival



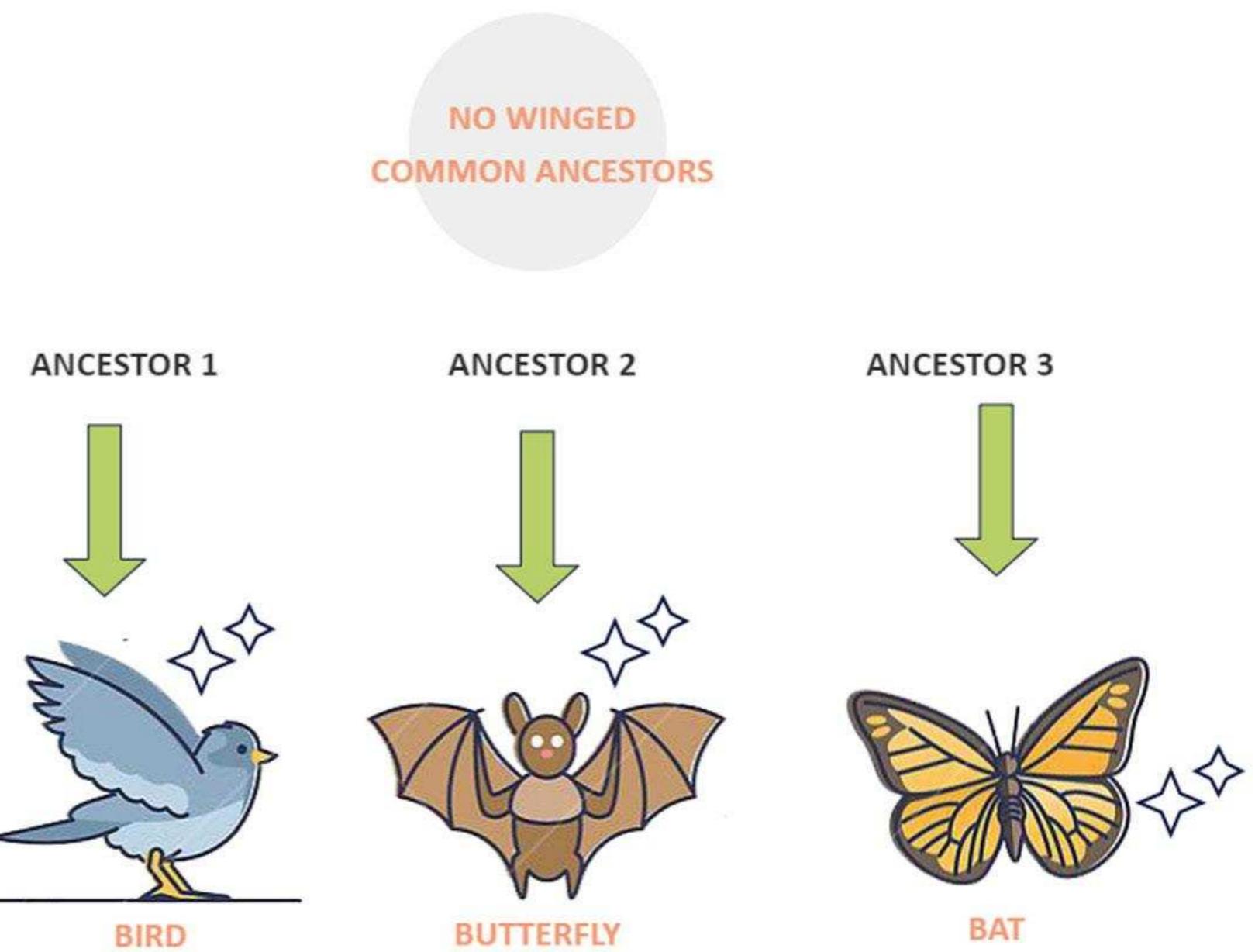
jadeimpact - Jan Geerts & Eelco Dekker

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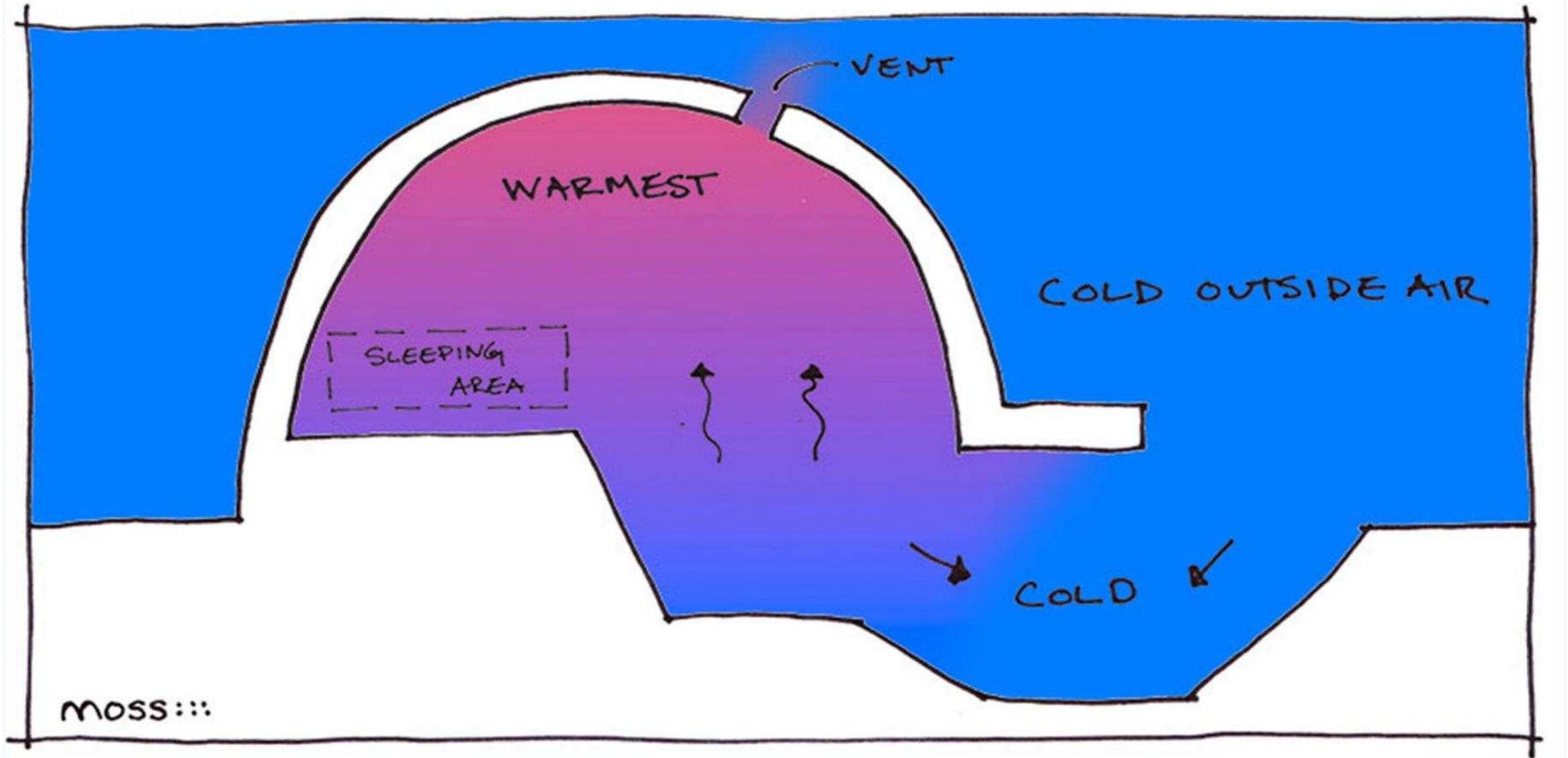
## DIVERGENT EVOLUTION



## CONVERGENT EVOLUTION









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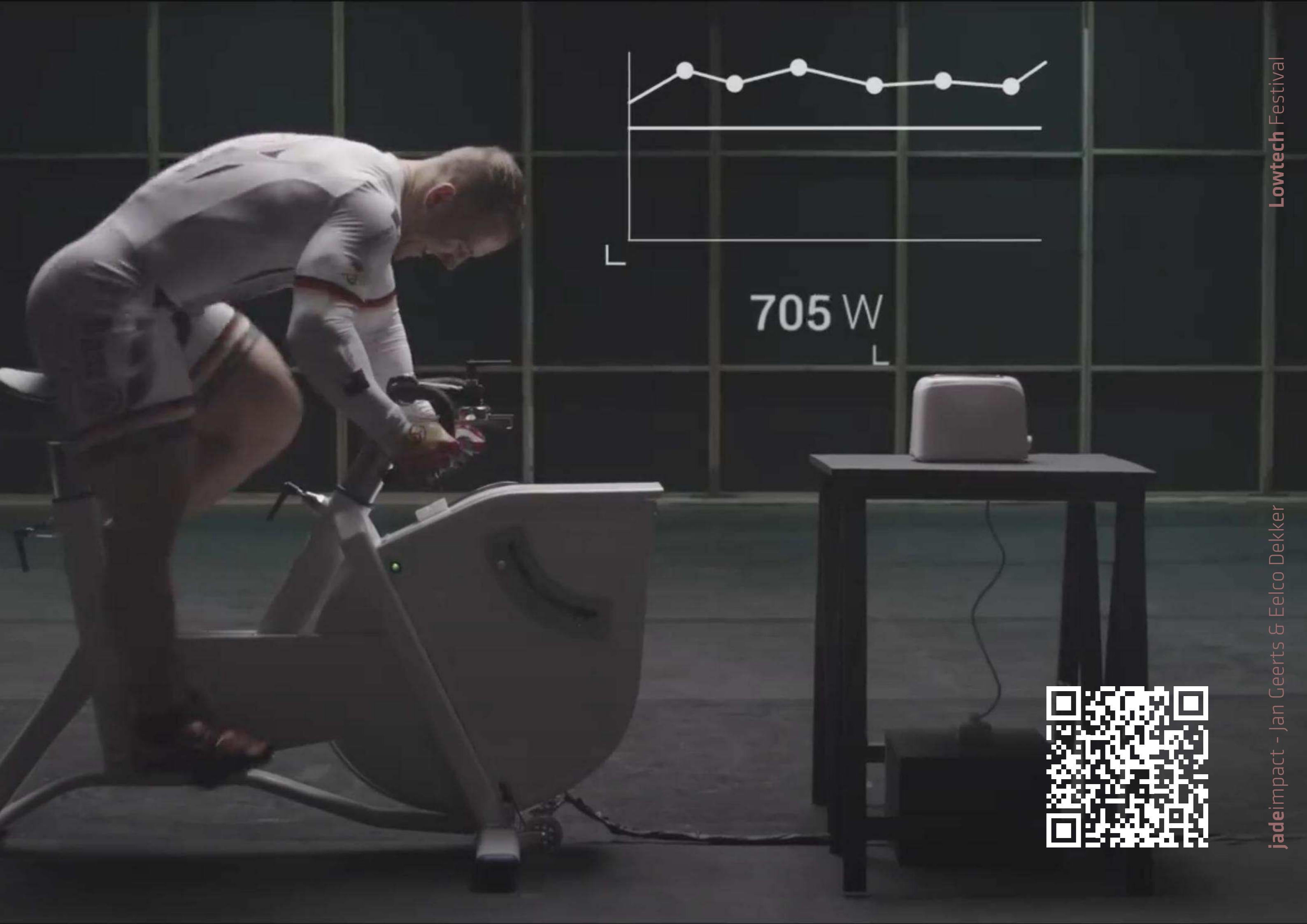
jadeimpact - Jan Geerts & Eelco Dekker







**THERE is  
NO PLANET B**



jadeimpact - Jan Geerts & Eelco Dekker

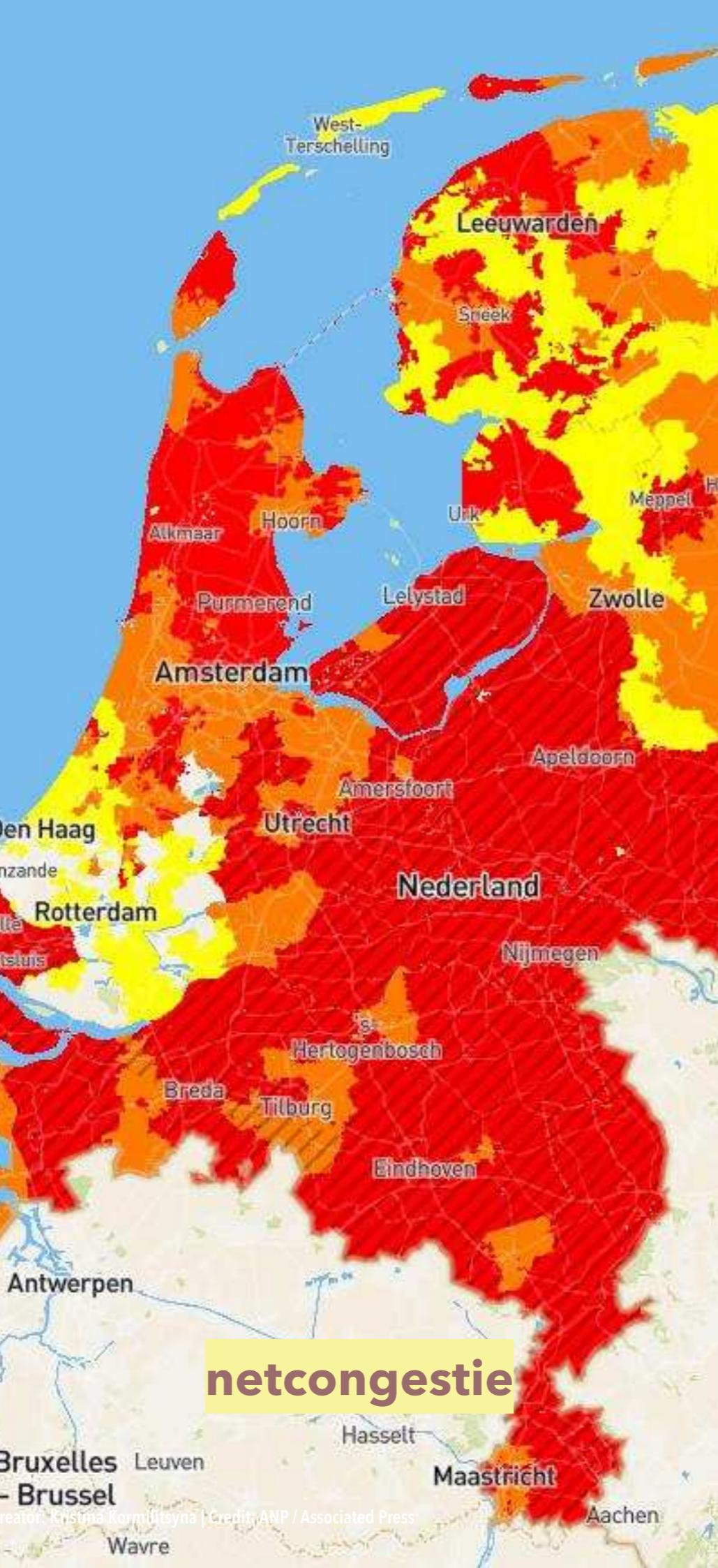
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klimaatverandering



netcongestie

Creator: Kristina Kormilitsyna | Credit: ANP / Associated Press  
Wavre



starre regelgeving



bron: Biagio Anselmi//Getty Images

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Jadeimpact - Jan Geerts & Telco Dekker

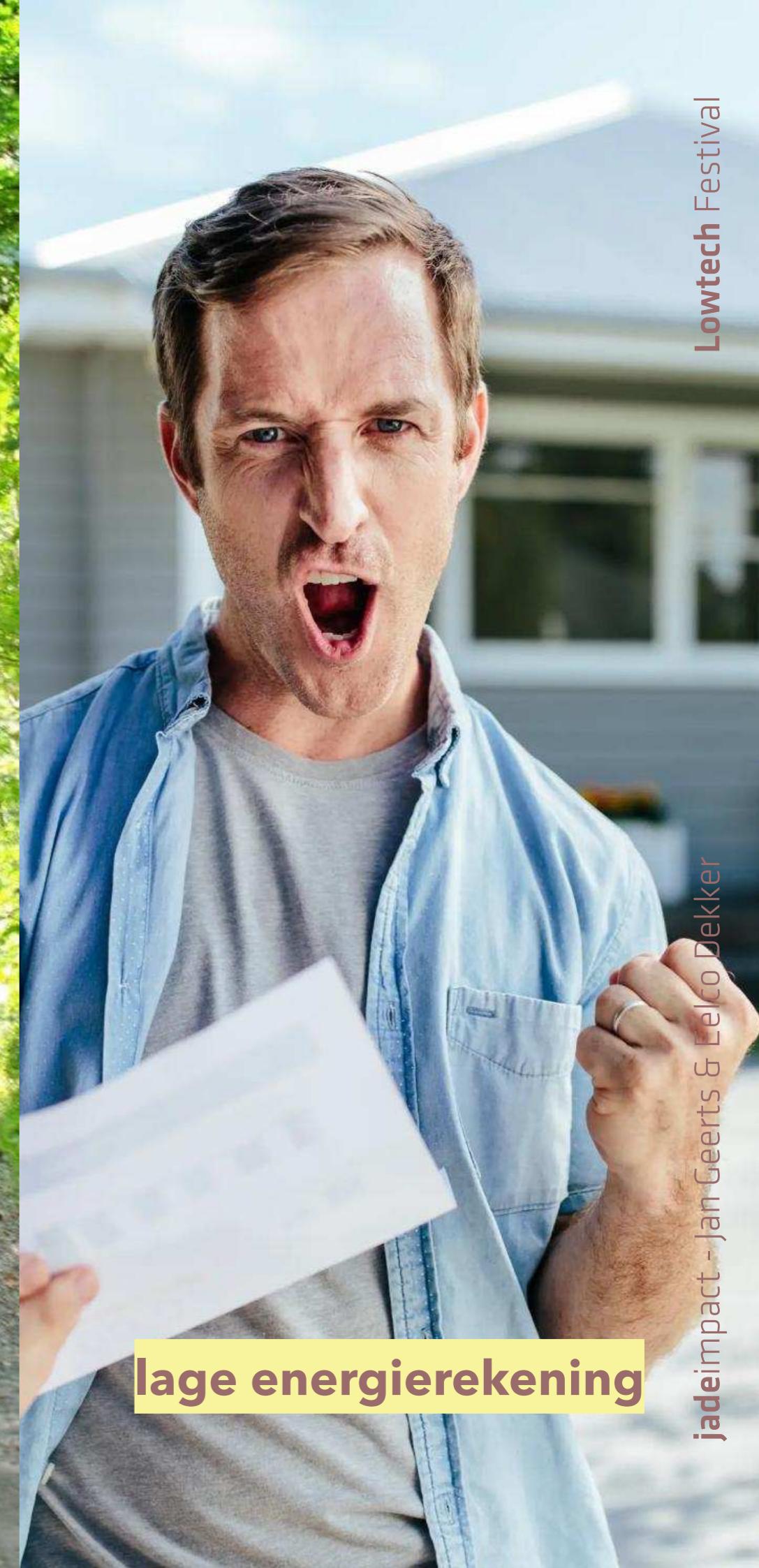


**klimaat impact**



**gezondheid**

Credit: rawpixel.com



**lage energierekening**

Passieve basisschool, Knokke Heist, BE  
ABT België & NL architects  
3280 m<sup>2</sup>

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jadeimpact - Jan Geerts & Eelco Dekker



We creëren gebouwen die op een  
duurzame en gezonde manier functioneren  
en veranderen onze toekomst.

Mpreis supermarket, AT  
Architect: LAAC Architects  
PH Designer: Fiby ZT GmbH, Passivhausinstitut

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jademart - Jan Uente & Eelco Dekker

MPREIS Supermarkt in Sölden, AT.  
Ontwerp LAAC Architects. Foto Marc Lins

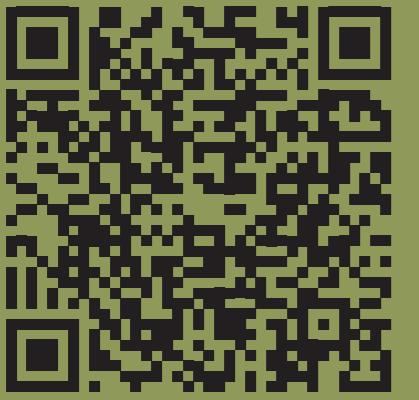
**Mpreis supermarket, AT**  
**Architect: LAAC Architects**  
**PH Designer: Fiby ZT GmbH, Passivhausinstitut**

MPREIS Supermarkt in Weer, AT.  
Ontwerp LAAC Architects. Foto Marc Lins



MPREIS Supermarkt in Sölden, AT/  
Ontwerp LAAC Architects. Foto Marc Lins

Heidelberg, D  
100 ha passieve stad





## Green Vancouver

- ◀ Climate Emergency Action Plan
  - Land use planning
  - ▶ Transportation
  - Buildings
  - Natural climate solutions
  - An equitable plan
  - In depth
- ◀ Zero emissions buildings
  - ▶ Energize Vancouver
    - Energy resources and programs for existing detached homes
    - Zoning amendments to support the Climate Emergency Response
    - High performance building standards
  - Building catalyst tools
    - Multi-family building energy resources and programs
    - Mass timber buildings
    - ▶ Neighbourhood Energy Strategy
    - ▶ Climate Change Adaptation Strategy
    - ▶ Green Operations Plan
    - ▶ Zero Waste 2040
    - ▶ Opportunities for climate leaders
    - Greenest City Action Plan
    - Solutions Lab



## Zero emissions building tools

*To achieve our greenhouse gas reduction goals, we're supporting early champions in the zero emissions building sector.*

To support innovation in design and construction of multi-unit buildings that pursue zero emissions performance, the Zero Emissions Building (ZEB) tools are structured to help offset the modest additional construction costs as leading builders test barriers, stimulate ZEB building supply chains, and spark a new wave of design innovation.

The current ZEB tools are focused on multi-unit residential projects as these building permits make up the greatest proportion of new floor area in Vancouver.

### Projects eligible for additional floor space

To qualify for up to a 5% floor space ratio (FSR) increase, projects must be a:

- Certified Passive House or an International Living Future Institute Zero Energy standard project

- Development Permit project in a

### Rezoning projects

These projects already undergo a negotiated process for additional density.

To support rezoning projects that pursue Passive House or Zero Energy standard, instead of up to a 5% FSR increase, construction cost premiums for zero-emissions buildings will be incorporated into

**The Curv, Vancouver, CA**

**Hoogste passiefhuis ter wereld**

**WKK (Tom Wright) and IBI Group**

**PH Consultant: RDH Building Science Inc**

**PH Certifier: Passive House Institute**

**501 appartementen, waarvan 102 sociale huur**

**TFA 31.247 m<sup>2</sup>**



In januari 2023 kondigde de Schotse regering plannen aan om alle nieuwbouw woningen te laten voldoen aan de Schotse Passivhaus-norm.





**Brabant Wonen**

**64 passieve sociale appartementen**

**Architect: Studio M10 / KAW**

**PH Designer: Bouwnext**

**Energiekosten huurder €15 / mnd**



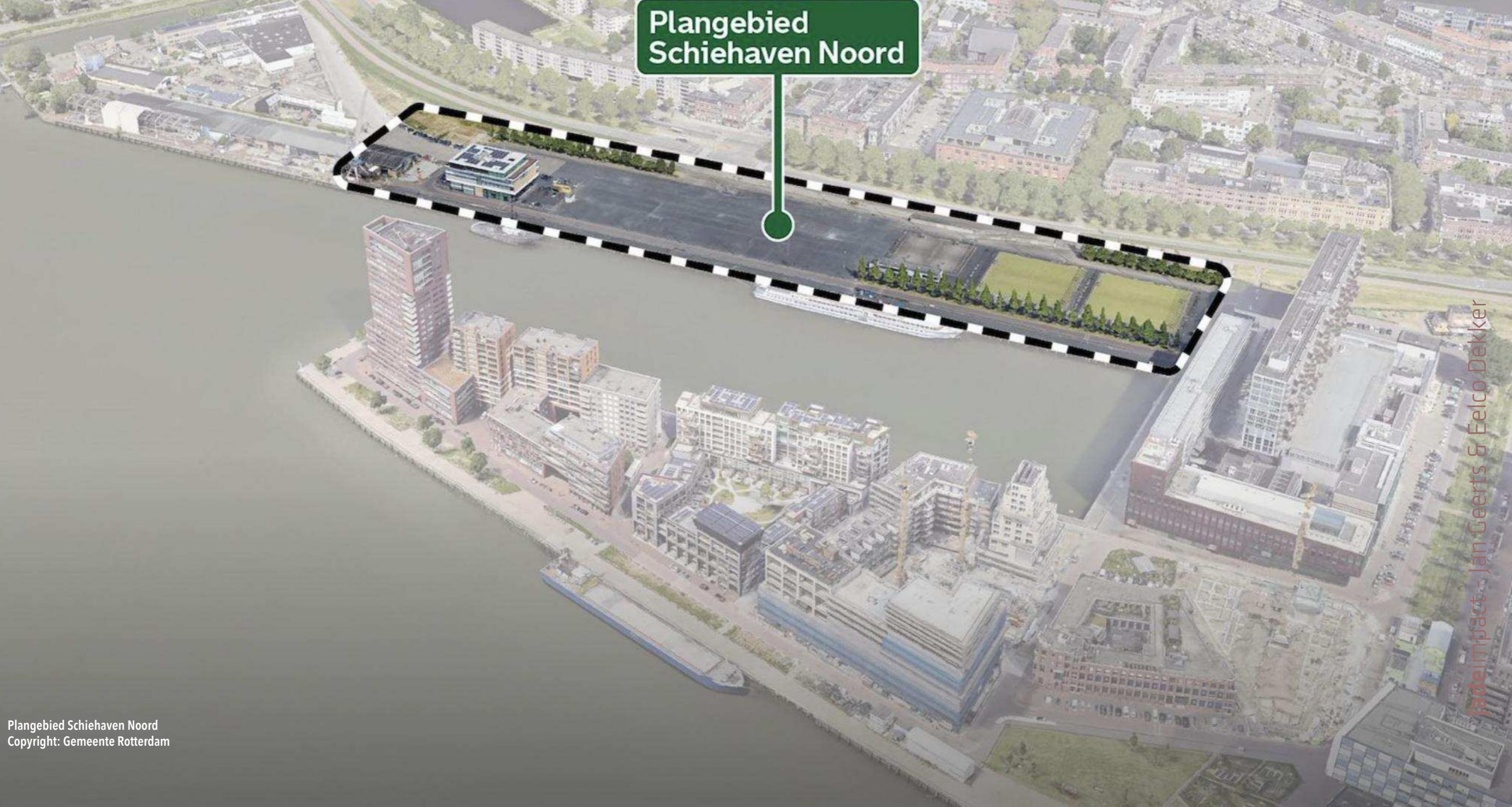
# Zo bouw je een huis dat geen verwarming óf verkoeling nodig heeft



**Rotterdam, NL**  
**700 woningen Parisproof**

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**Plangebied  
Schiehaven Noord**

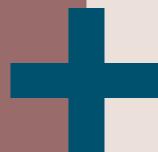


**Rotterdam, NL**  
**Duurzaam Doorbouwen Akkoord**  
**Inzet op PARISPROOF met BIOBASED en PASSIEVE maatregelen**

**Provincie Zuid-Holland, NL**  
**Netbewust bouwen**  
**Inzet op PASSIEVE maatregelen**



# passief



**Een passief gebouw maakt optimaal gebruik van de zon, een gratis energiebron, en het gebouw is zó goed geïsoleerd dat deze op koude dagen met zeer weinig energie verwarmd kan worden.**

# biobased

**Ecologische materialen zorgen voor een gezonder en comfortabel binnenklimaat. Deze materialen ademen, nemen vocht op en voorkomen oververhitting.**

# lowtech



Zwart Jan, Rotterdam, NL  
Passief, biobased, aanpasbaar en klimaatadaptief  
JADE architecten & Jessica Nielsen  
PH Designer: Jan Geerts  
PH Certifier: Svetlin Dobrevski  
2 stadsappartementen + kantoor  
TFA 385 m<sup>2</sup>

Scan de QR code!

