

# KARIBU

ARCHITECTURE

NETWERKDAG 4<sup>e</sup> PIJLERORGANISATIES  
ANTWERPEN

Kjell Keymolen





<https://www.c-re-aid.org/>



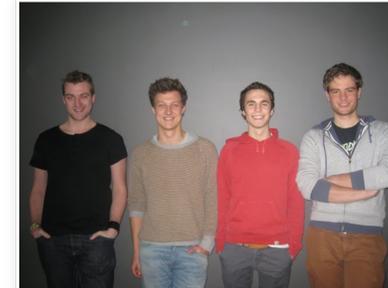
# Archies Zonder Grenzen

[Back to Home »](#) [Wie zijn wij](#)

## Wie zijn wij

Posted by : archieszondergrenzen

zaterdag 25 mei 2013



We zijn 4 studenten architectuur, allemaal reeds enkele jaren aan onze studies bezig en allemaal gemotiveerd om eens iets meer te doen dan er gewoon elk jaar door proberen komen.



**Ingezameld geld**  
Danku voor alle steun, we zijn erin geslaagd een mooi bedrag in te zamelen dankzij jullie hulp!

**Foto's**

<https://archieszondergrenzen.blogspot.com/2013/05/wie-zijn-wij.html>













## BUILDING BEYOND BORDERS

LEARNING FOR, FROM AND WITH THE WORLD

Building Beyond Borders is a cross-border learning platform to enhance knowledge and push action towards regenerative and bioregional design and building processes

Registrations for the postgraduate certificate Building Beyond Borders 25|26 are closed!

Building Beyond Borders unites a **global community** of students, professionals, and researchers driven by a shared mission to become changemakers in the built environment and in their communities.

At its heart lies **international collaboration**, fostering the exchange of skills, ideas, and visions. The platform emphasizes responsible, resource-conscious building approaches, combining locality and low-tech ingenuity with a commitment to creating positive environmental impact and meaningful social return.

Building Beyond Borders offers diverse learning opportunities for students, professionals, and enthusiasts alike:

The **Postgraduate Certificate**, is a live lab setting, tailored for graduates and professionals.

The Building Beyond Borders **Symposium**, is a pivotal event where academic and practical insights converge. Together with scholars and practitioners, we reflect on past projects and explore future possibilities.

The **Global Perspectives** Master Design Studio, offers undergraduates a chance to engage deeply with transformative, empathic design concepts, in an international, collaborative setting.

Complementary **Research** initiatives, build the academic framework that supports and enriches the platform.

Together, we are not just building structures but building a movement that redefines sustainable, socially impactful design across borders.

2018

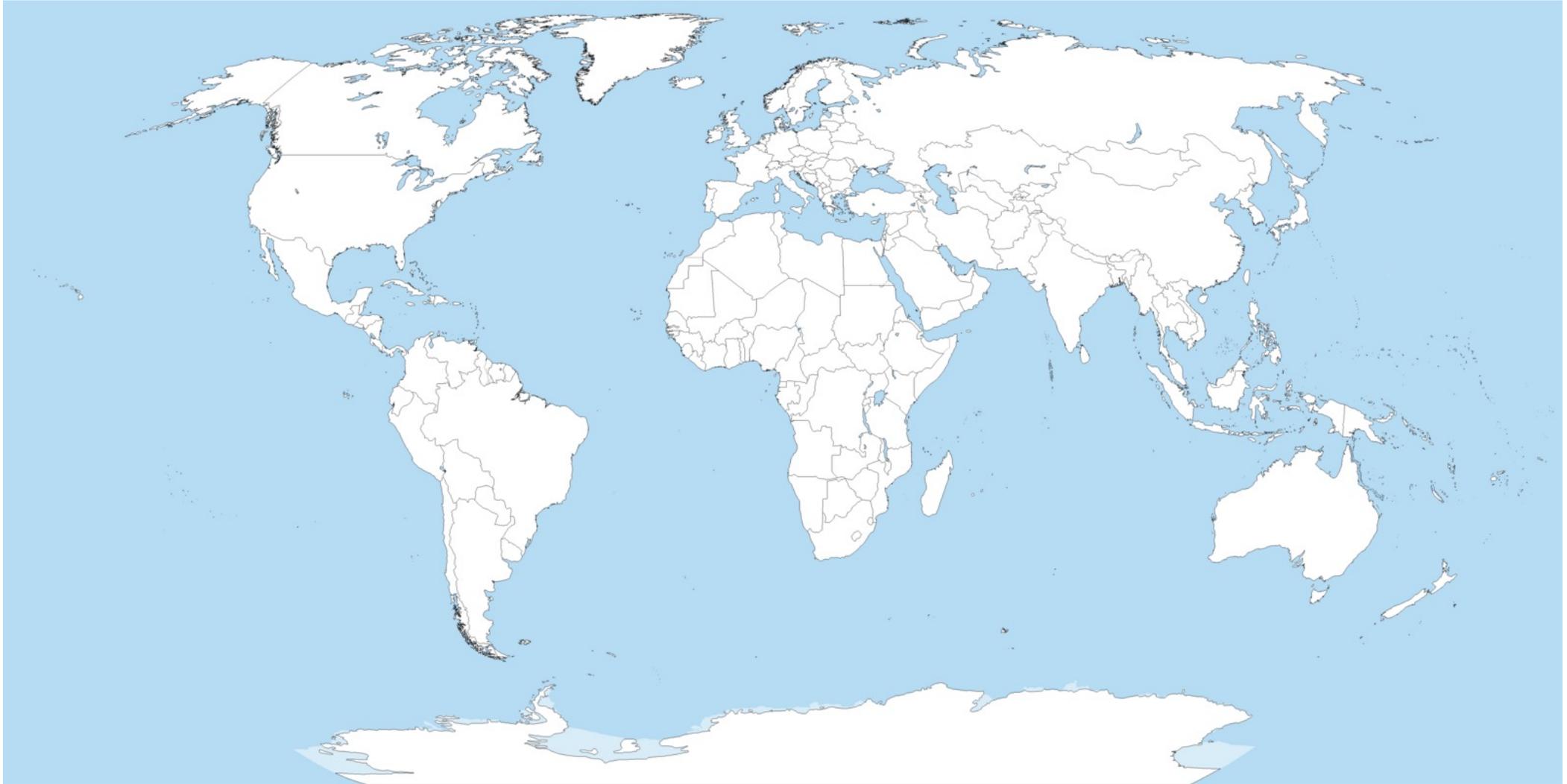
<https://www.buildingbeyondborders.be/bbb>



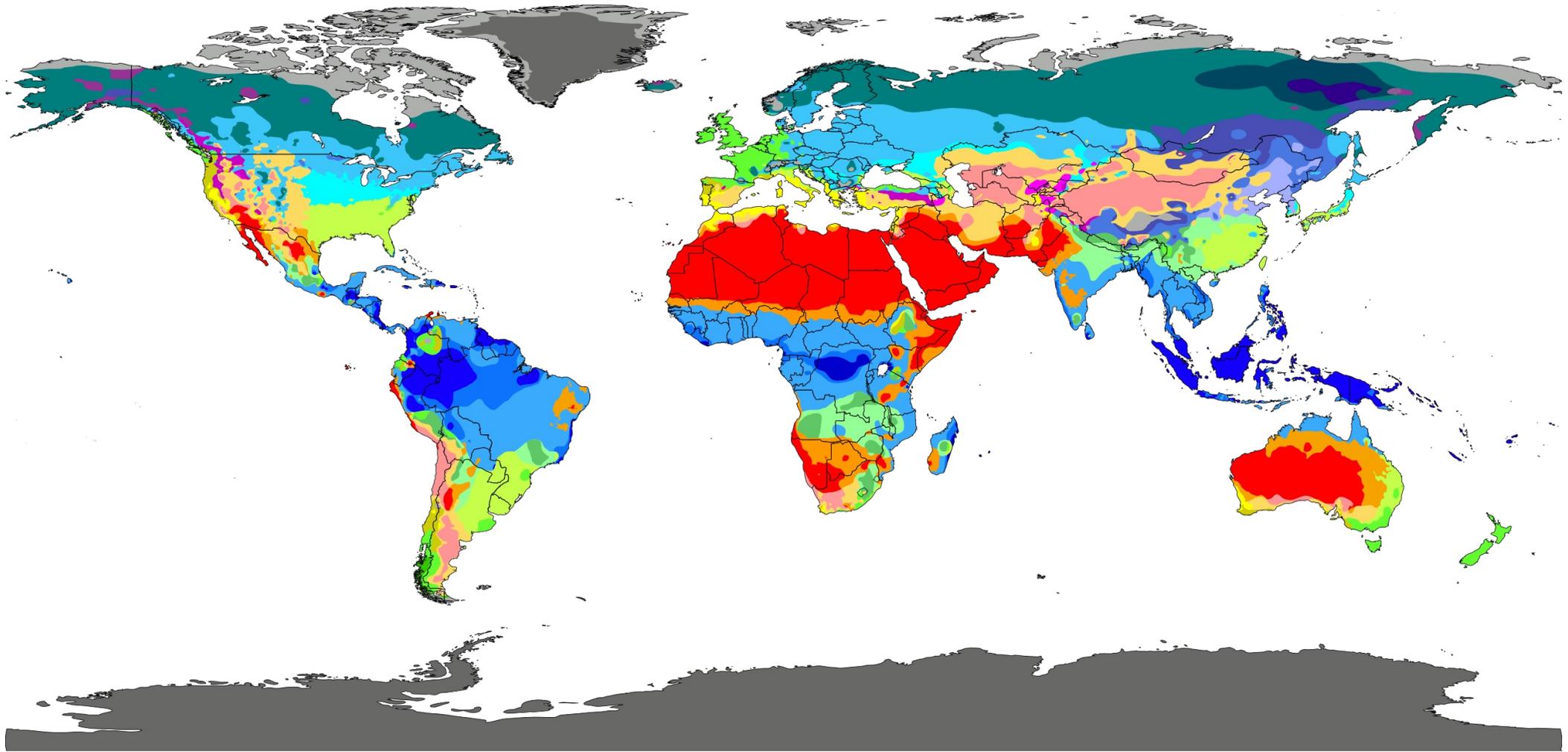


2019

# Ervaring met bouwen in het buitenland?



## KLIMAATCLASSIFICATIE VAN KÖPPEN-GEIGER



<https://people.eng.unimelb.edu.au/mpeel/koppen.html>

TROPICAL

DRY

TEMPERATE

CONTINENTAL

POLAR

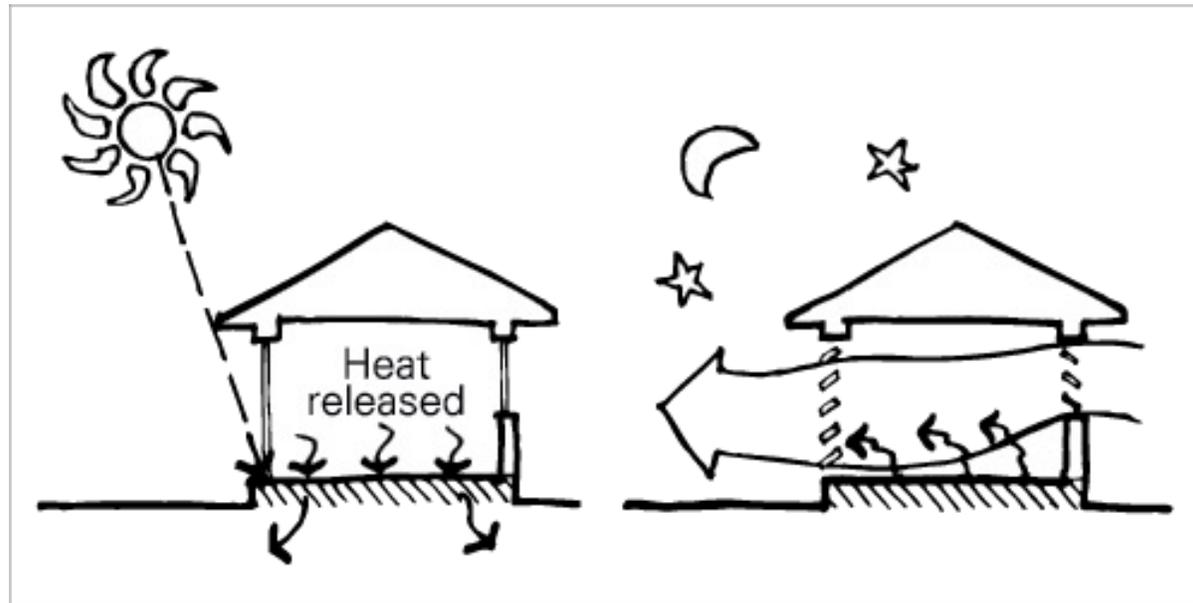
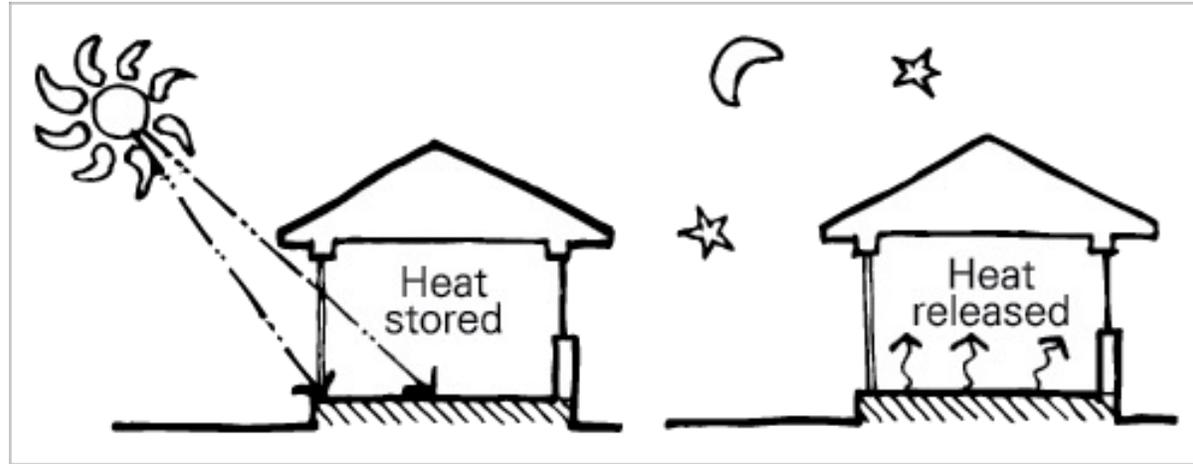
Klimaat heeft een impact op de lokaal beschikbare materialen en grondstoffen en op de manier van bouwen om geschikte bescherming te voorzien voor mensen rekening houdend met de omgeving.

Klimaat heeft een impact op de ondergrond en de toekomstige opportuniteiten en voorspellingen van het gebied.

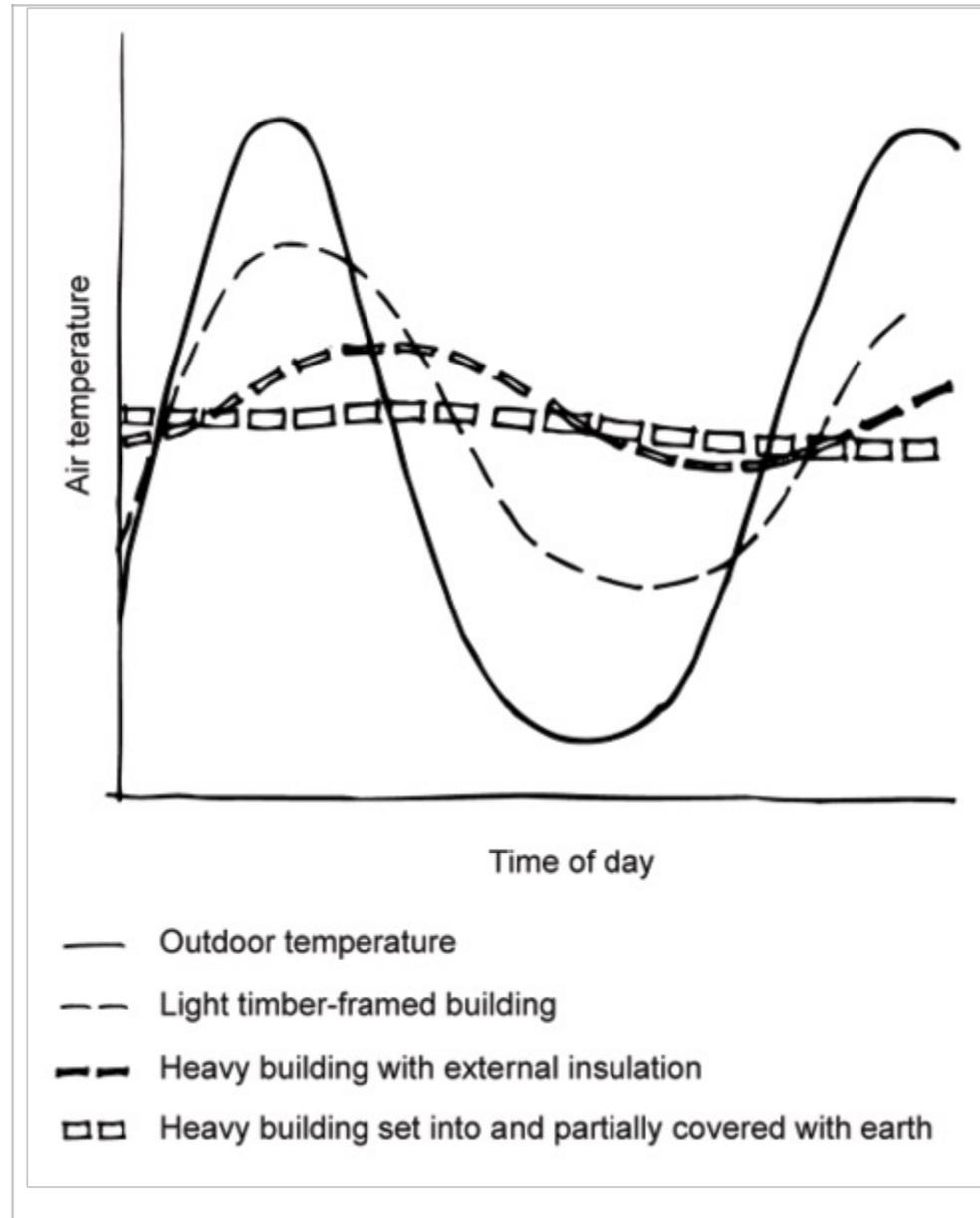
# MAROKKO







# THERMISCHE MASSA





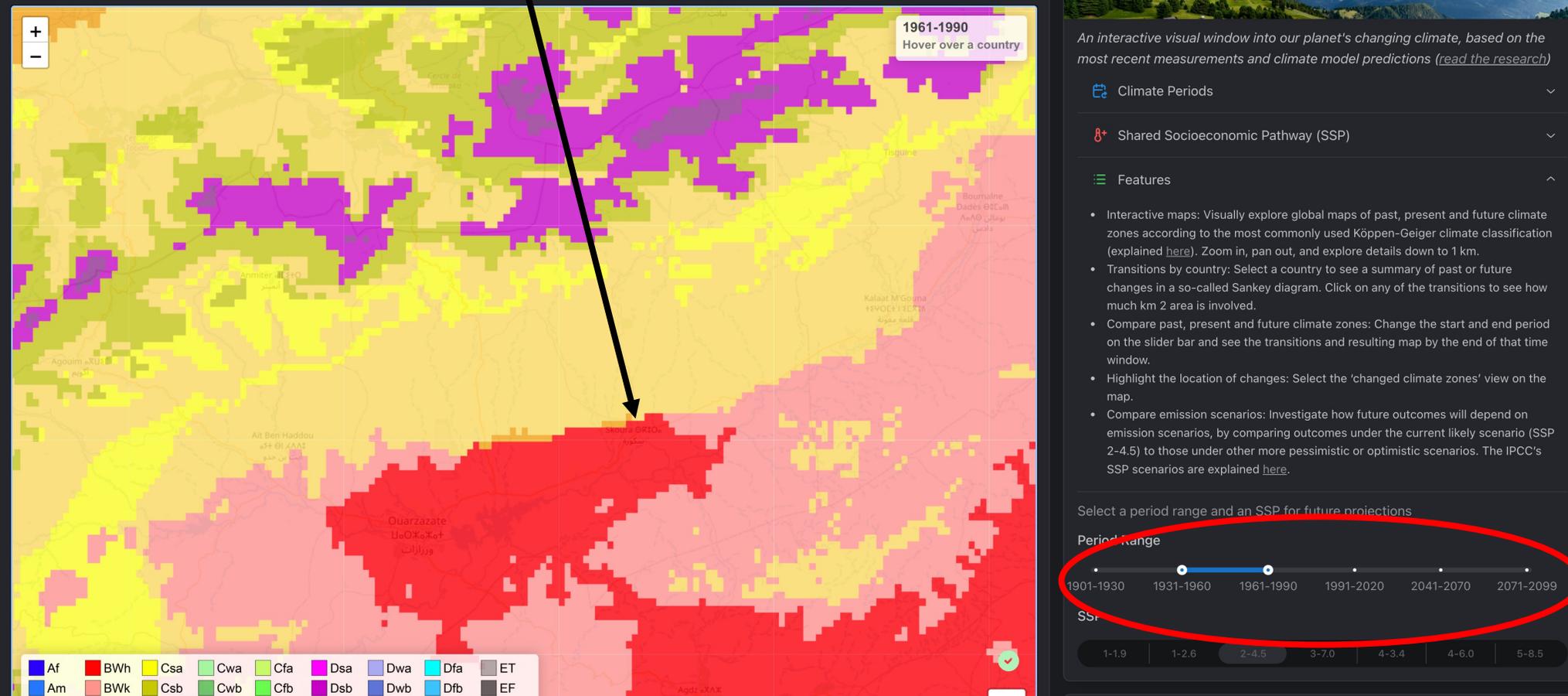




1ste: Grove indeling	2de: Neerslagverdeling	3de: Temperatuurverschil	4de letter
A Tropisch klimaat	<ul style="list-style-type: none"> <li>• f: regenwoud</li> <li>• m: moesson</li> <li>• w of s: savanne</li> </ul>		
B Droog klimaat	<ul style="list-style-type: none"> <li>• S: steppe</li> <li>• W: woestijn</li> </ul>	<ul style="list-style-type: none"> <li>• h: heet</li> <li>• k: koud</li> </ul>	<ul style="list-style-type: none"> <li>• s: droog in zomer</li> <li>• w: droog in winter</li> </ul>
C Gematigd klimaat	<ul style="list-style-type: none"> <li>• s: droge zomer</li> <li>• w: droge winter</li> <li>• f: zonder droog seizoen</li> </ul>	<ul style="list-style-type: none"> <li>• a: hete zomer</li> <li>• b: warme zomer</li> <li>• c: koele zomer</li> </ul>	
D Landklimaat	<ul style="list-style-type: none"> <li>• s: droge zomer</li> <li>• w: droge winter</li> <li>• f: zonder droog seizoen</li> </ul>	<ul style="list-style-type: none"> <li>• a: hete zomer</li> <li>• b: warme zomer</li> <li>• c: koele zomer</li> <li>• d: erg koude winter</li> </ul>	
E Poolklimaat	<ul style="list-style-type: none"> <li>• T: toendra</li> <li>• F: ijskap</li> <li>• H: hooggebergte</li> </ul>		

## Climate zones on the move

Historical and predicted future changes in the global distribution of Köppen-Geiger climate zones



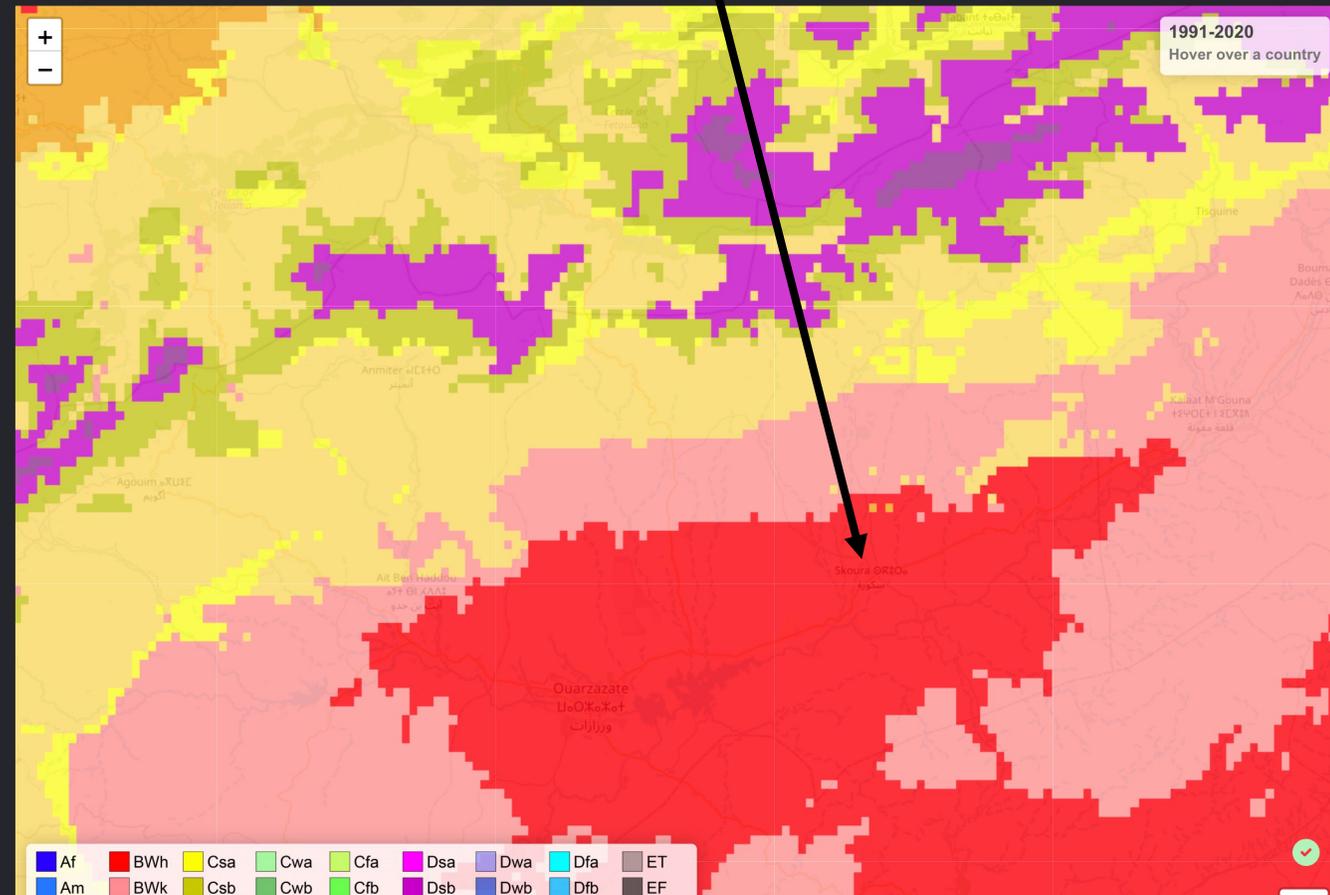
BWh: Droog klimaat – Woestijn – heet  
Csb: Gematigd klimaat – droge zomer – warme zomer  
BWk: Droog klimaat – Woestijn – koud  
Csa: Gematigd klimaat – droge zomer – hete zomer

<https://koppen.earth/>

# CASE-STUDY

## Climate zones on the move

Historical and predicted future changes in the global distribution of Köppen-Geiger climate zones



An interactive visual window into our planet's changing climate, based on the most recent measurements and climate model predictions ([read the research](#))

Climate Periods

Shared Socioeconomic Pathway (SSP)

Features

- Interactive maps: Visually explore global maps of past, present and future climate zones according to the most commonly used Köppen-Geiger climate classification (explained [here](#)). Zoom in, pan out, and explore details down to 1 km.
- Transitions by country: Select a country to see a summary of past or future changes in a so-called Sankey diagram. Click on any of the transitions to see how much km<sup>2</sup> area is involved.
- Compare past, present and future climate zones: Change the start and end period on the slider bar and see the transitions and resulting map by the end of that time window.
- Highlight the location of changes: Select the 'changed climate zones' view on the map.
- Compare emission scenarios: Investigate how future outcomes will depend on emission scenarios, by comparing outcomes under the current likely scenario (SSP 2-4.5) to those under other more pessimistic or optimistic scenarios. The IPCC's SSP scenarios are explained [here](#).

Select a period range and an SSP for future projections

Period Range

1901-1930 1931-1960 1961-1990 1991-2020 2041-2070 2071-2099

SSP

1-1.9 1-2.6 2-4.5 3-7.0 4-3.4 4-6.0 5-8.5

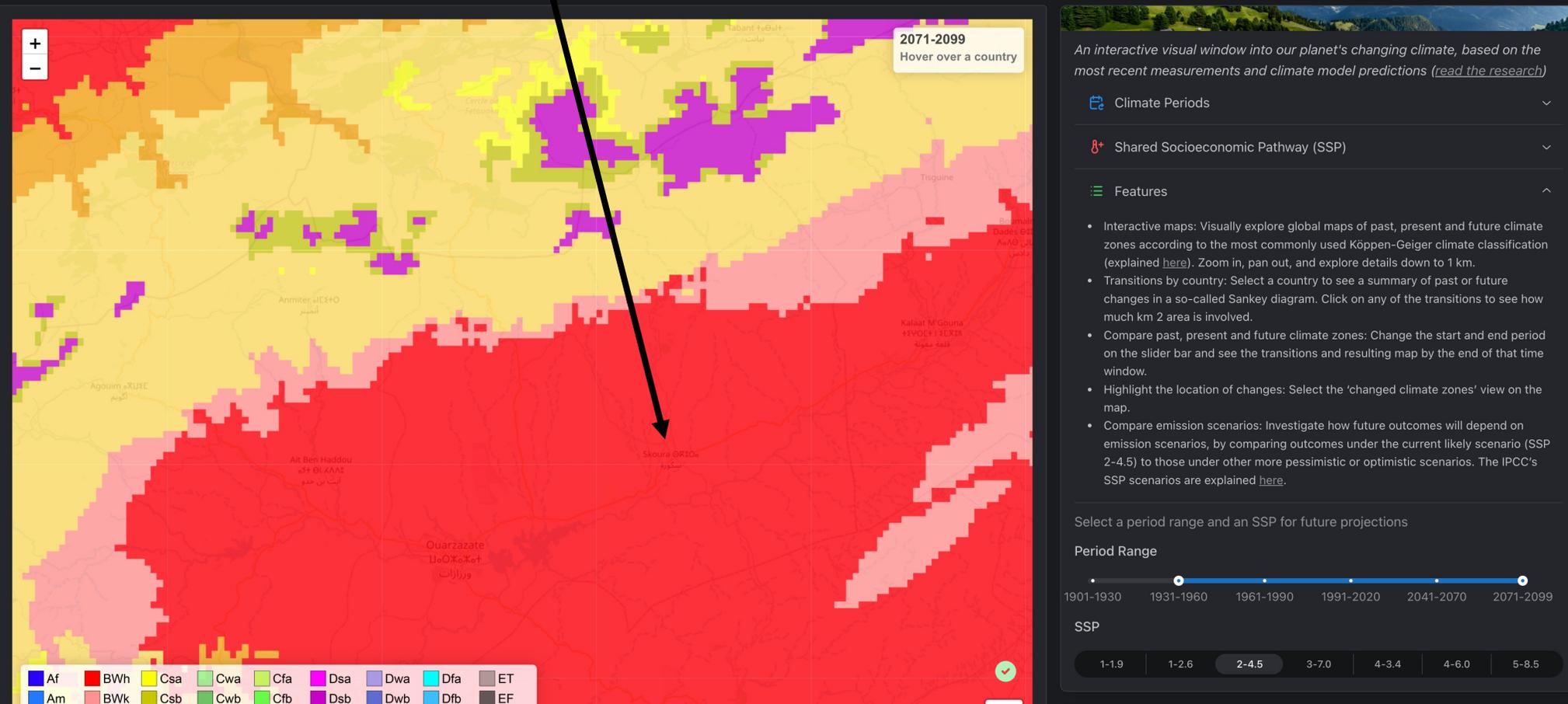
BWh: Droog klimaat – Woestijn – heet

BWk: Droog klimaat – Woestijn – koud

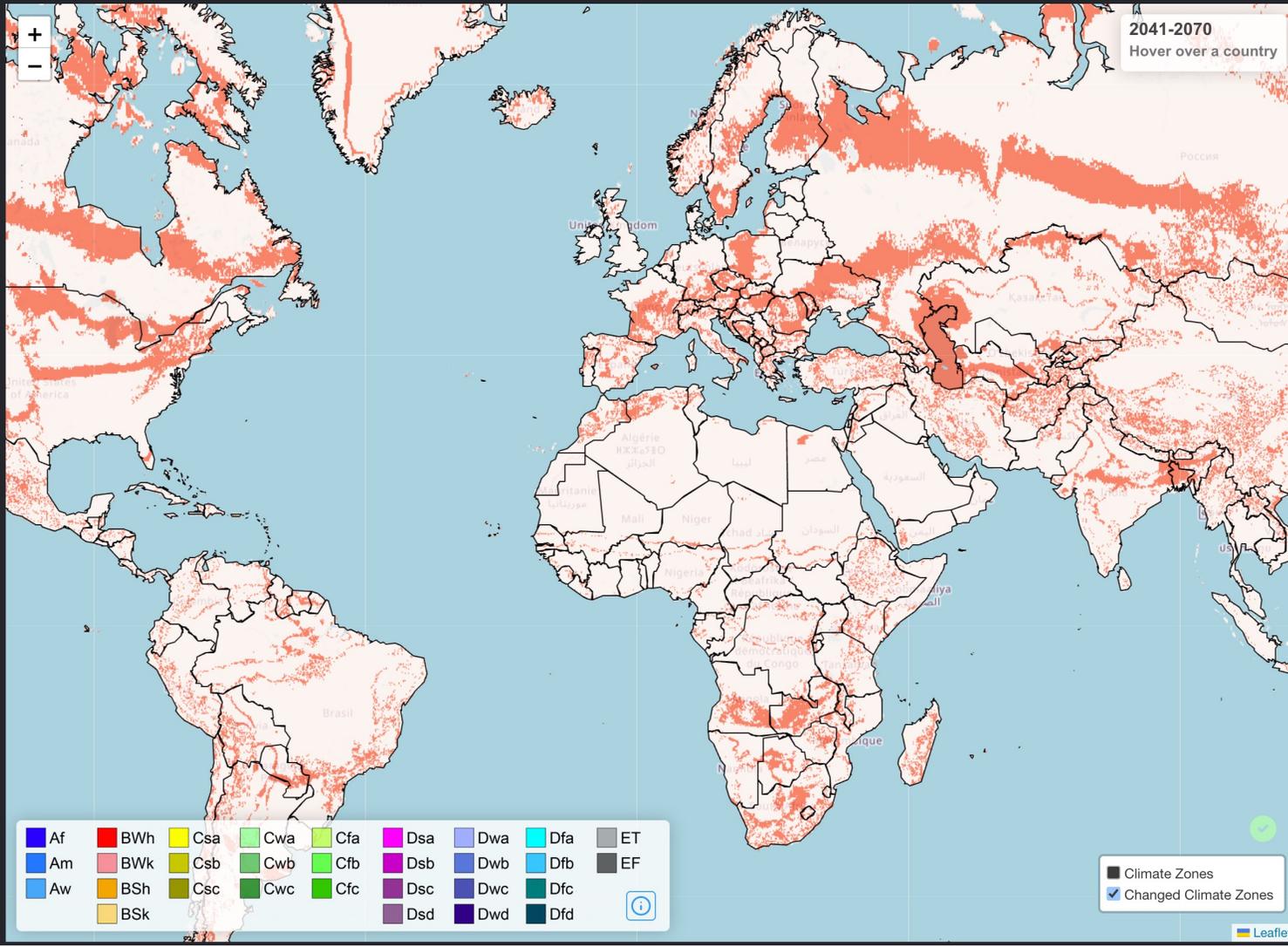
<https://koppen.earth/>

# Climate zones on the move

Historical and predicted future changes in the global distribution of Köppen-Geiger climate zones



BWh: Droog klimaat – Woestijn – heet



An interactive visual window into our planet's changing climate, based on the most recent measurements and climate model predictions ([read the research](#))

Climate Periods

Shared Socioeconomic Pathway (SSP)

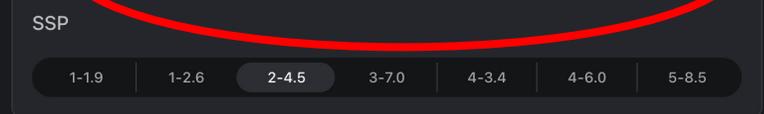
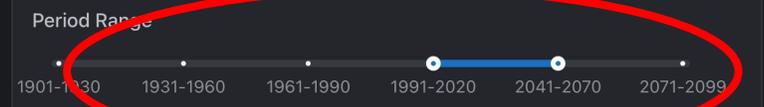
Shared Socioeconomic Pathways (SSPs) are climate change scenarios of projected socioeconomic global changes up to 2100. They are used to derive greenhouse gas emissions scenarios with different climate policies. The five scenarios are:

- SSP1: Sustainability ('Taking the Green Road') - this would be desirable
- SSP2: 'Middle of the Road' - this is the most likely scenario
- SSP3: Regional Rivalry ('A Rocky Road')
- SSP4: Inequality ('A Road divided')
- SSP5: Fossil-fueled Development ('Taking the Highway')

The names of these scenarios consist of the SSP (SSP1-SSP5), combined with the expected level of radiative forcing in the year 2100. More info [here](#)

Features

Select a period range and an SSP for future projections



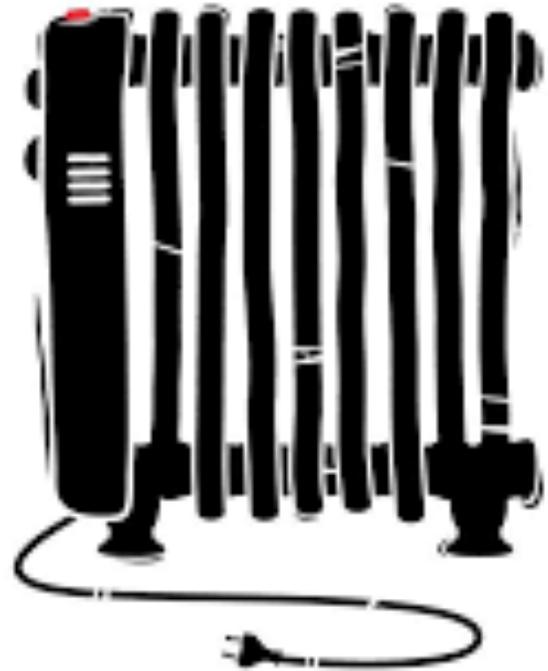
Main classes All classes

Morocco Climate Zone Transitions: from 1991-2020 to 2041-2070



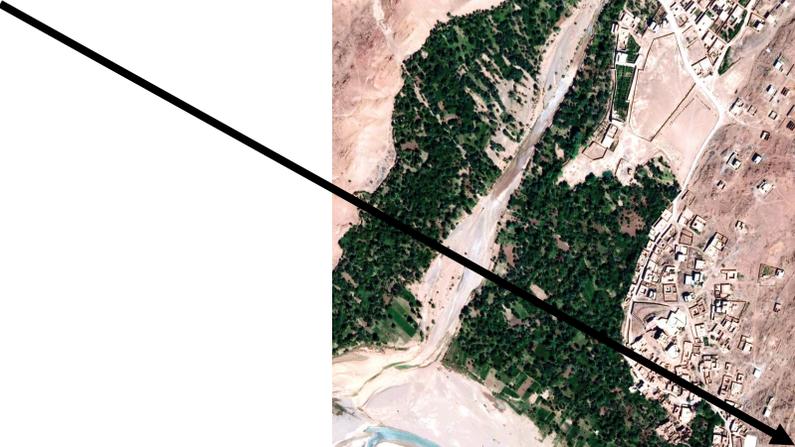
# RADI-AID

⇌ - AFRICA FOR NORWAY - ⇌

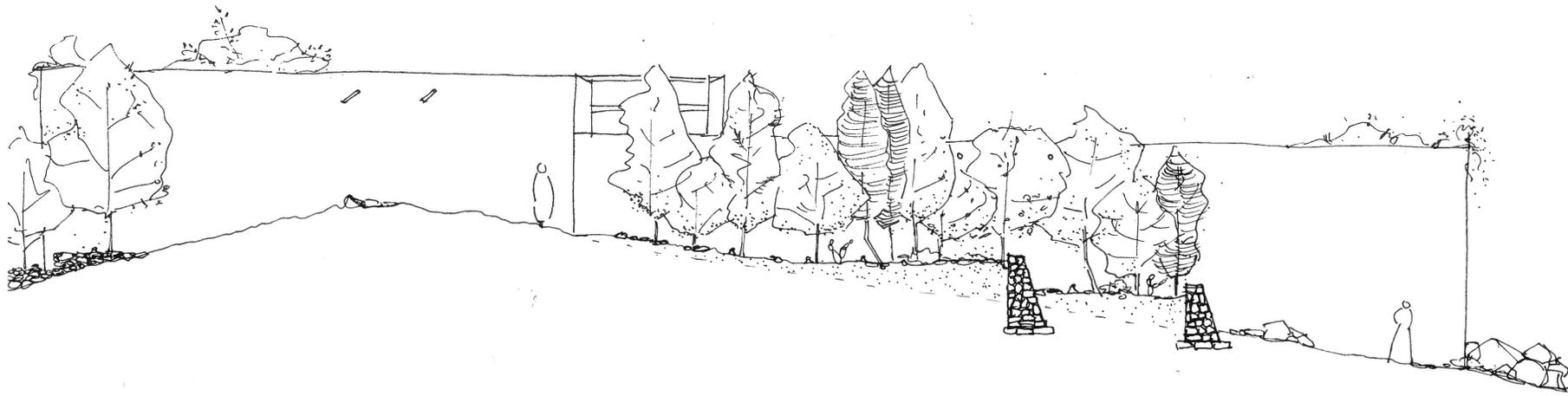


<https://www.youtube.com/watch?v=oJLqyuxm96k>















**lignaverda**<sup>®</sup>  
driven by  ENTREPRENEURS WITHOUT FRONTIERS

- Hoofdpunten
- Regio
- Thema's
- Recent
- Kijk
- Radio
- Podcasts

Taal  
Nederlands



Buitenland Midden-Oosten

# Na Teheran nu ook bijna geen water meer in tweede grootste stad van Iran



Ook in Mashhad, de tweede grootste stad van Iran, is er praktisch geen water meer. Gisteren raakte al bekend dat de Iraanse regering op gezette tijden de watervoorziening in de hoofdstad Teheran wil onderbreken om het verbruik te beperken en "verspilling" tegen te gaan. Iran kampt momenteel met een ongeziene droogte.

Jens Van Reet, Belga

zo 09 nov. 14u14

update: zo 09 nov. 13u54

"We zijn genoodzaakt om de watervoorziening voor burgers op sommige avonden af te

## Meest gelezen

- Politiek

**LIVEBLOG** Kamer geeft regering-De Wever het vertrouwen, marathondebat over begroting zit erop

38 minuten geleden


- Spanning in Georgië

"Rusland verovert ons zonder oorlog": hoe Georgië verloren lijkt voor de EU, 1 jaar na terugtrekking uit toetredingsproces

3 uur geleden


- Economie

"Pure kafka" of "goed om discussies te ..."



Deel artikel

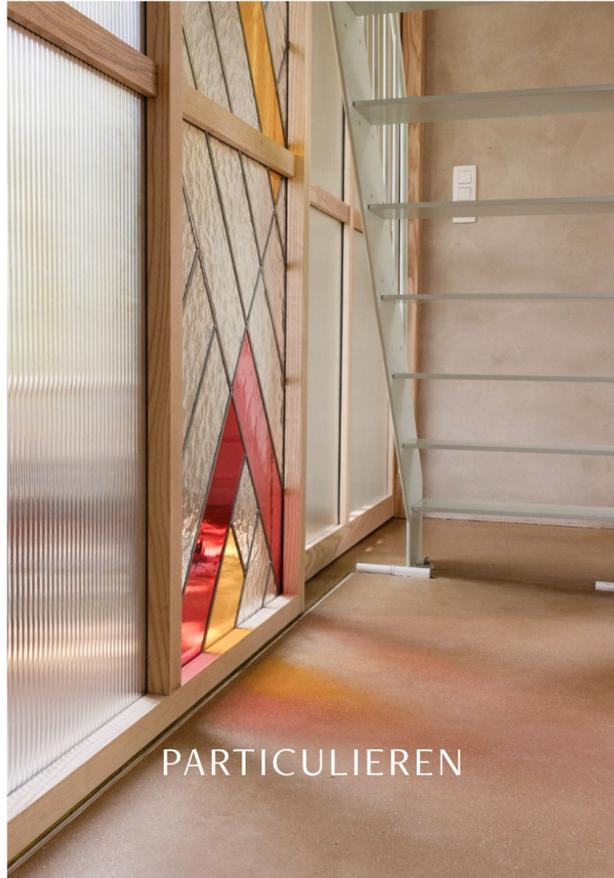
Icons for social media sharing: X, Facebook, Twitter, Email, Link, Print

Vraag over dit nieuws? Zelf nieuws melden?

Fout opgemerkt?

# KARIBU

Ontdek onze duurzame oplossingen voor...



PARTICULIEREN



BEDRIJVEN



ORGANISATIES

# KARIBU

## Karibu's missie

Karibu streeft naar een integratie van de bouwsector in een **circulaire economie**

## Karibu's visie

Karibu optimaliseert architecturale projecten met betrekking tot **ecologie, circulariteit en biofilie**

Dit plan wil de grote uitdagingen op het vlak van het milieu, het klimaat, de biodiversiteit en de duurzaamheid aanpakken, met oog voor een sociale gelijkheid. Om te slagen in het opzet, is de overstap naar een circulaire economie (kringloopeconomie) één van de sleutelementen.

### De Europese Green Deal

Het eerste klimaatneutrale continent worden

#### Belangrijkste cijfers

**Het eerste  
klimaatneutrale  
continent**

tegen 2050

**Ten minste 55%  
minder**

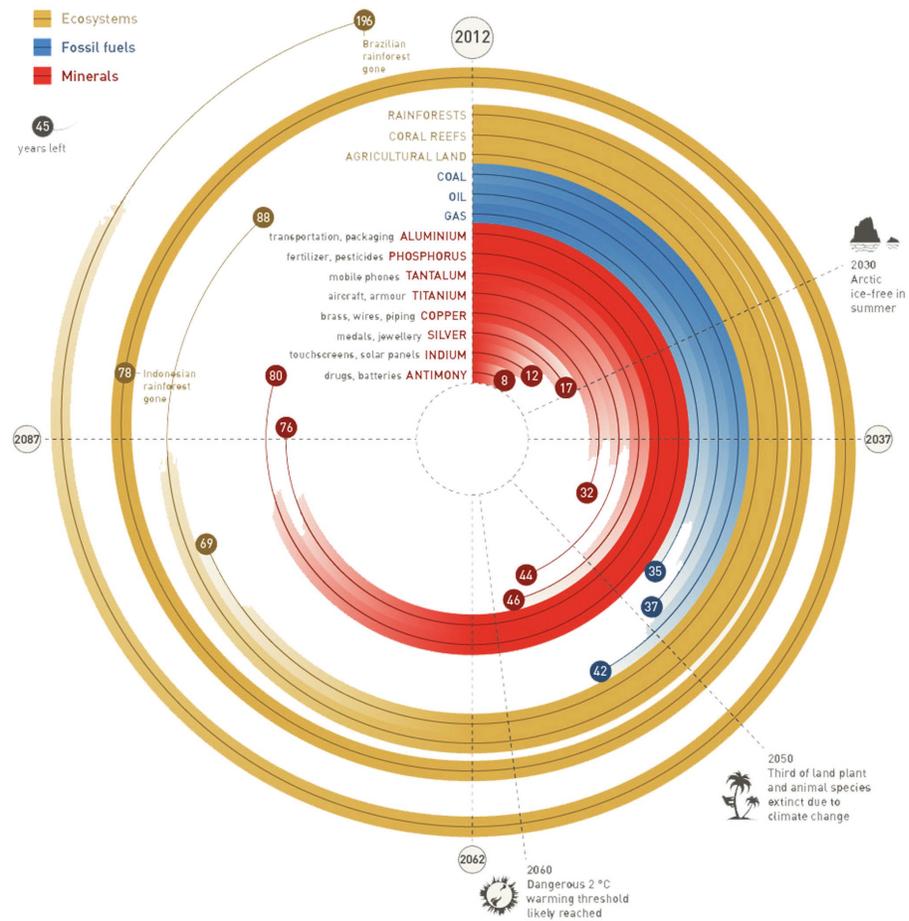
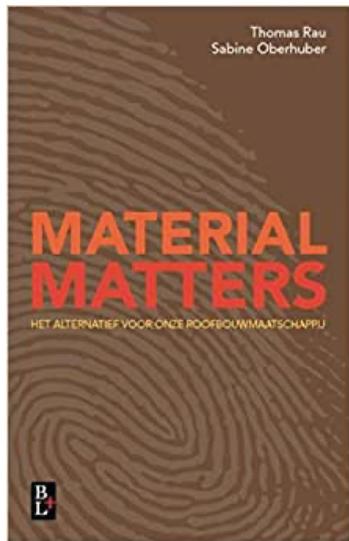
uitstoot van broeikasgassen in 2030  
in vergelijking met 1990

**3 miljard**

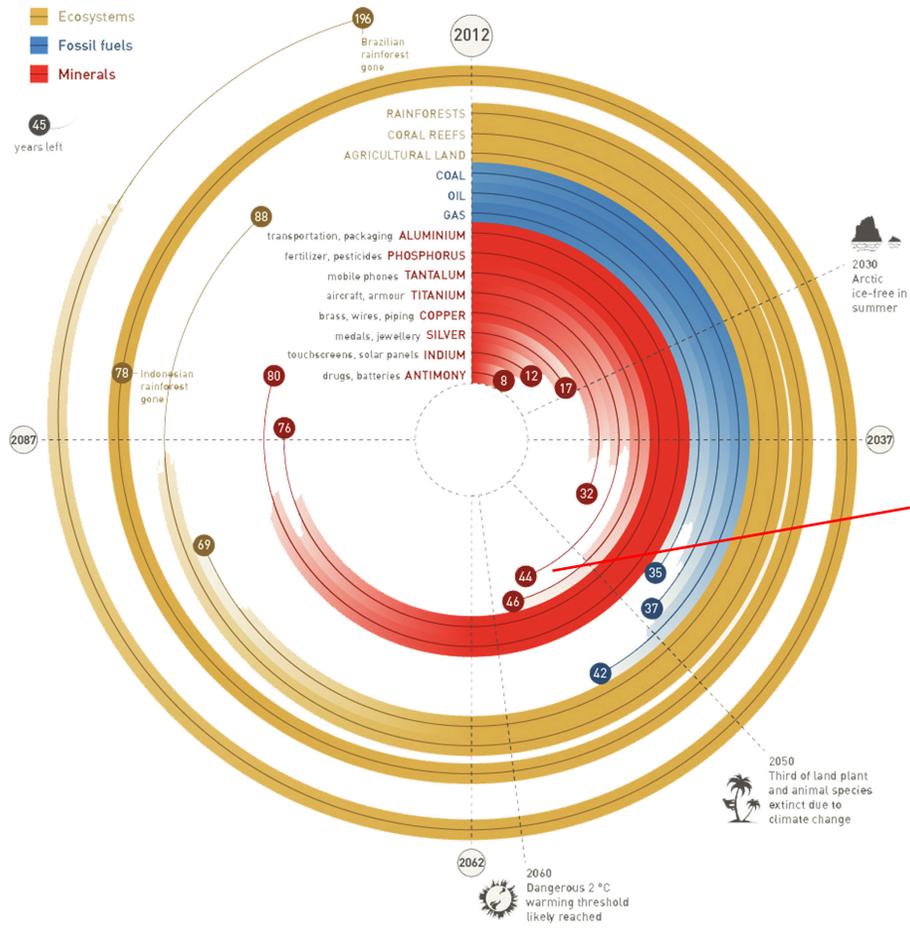
extra bomen geplant tegen 2030

09 NOV 2022 | PRESS RELEASE | CLIMATE ACTION

**CO2 emissions from buildings and construction hit new high, leaving sector off track to decarbonize by 2050: UN**



<https://vlaanderen-circulair.be/nl/kennis/wat-is-het/how-much-is-left>

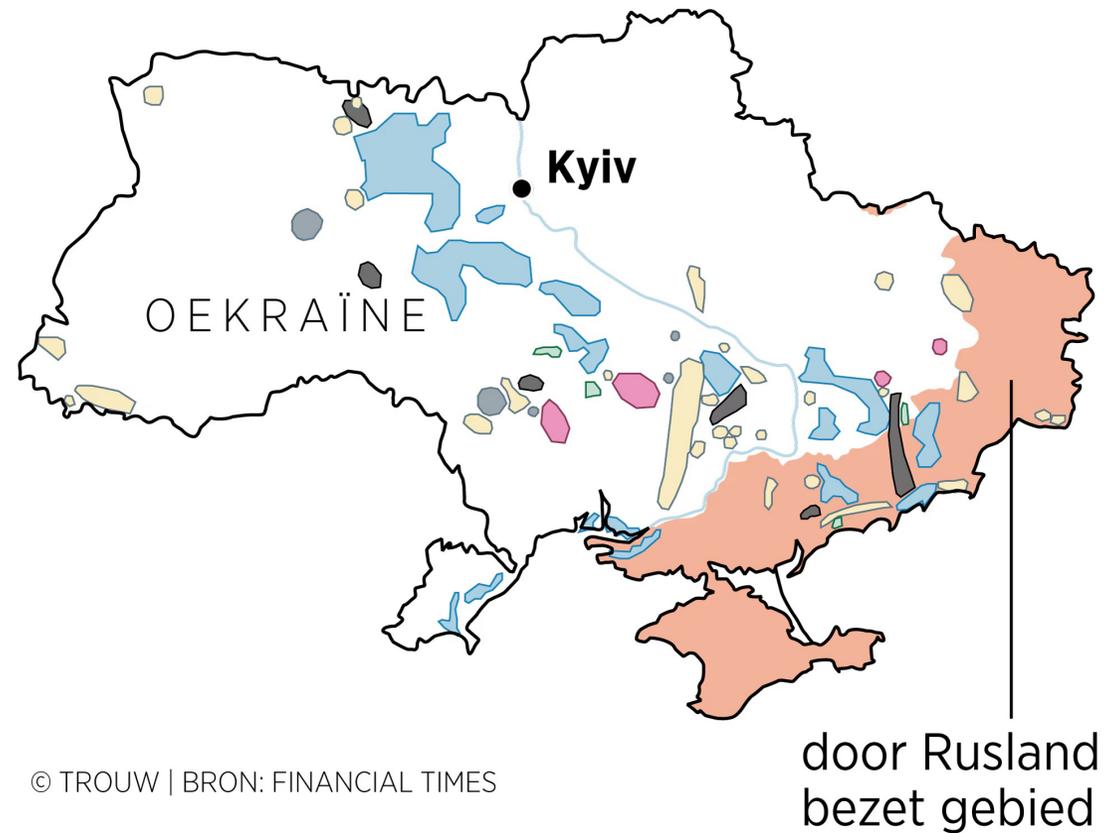


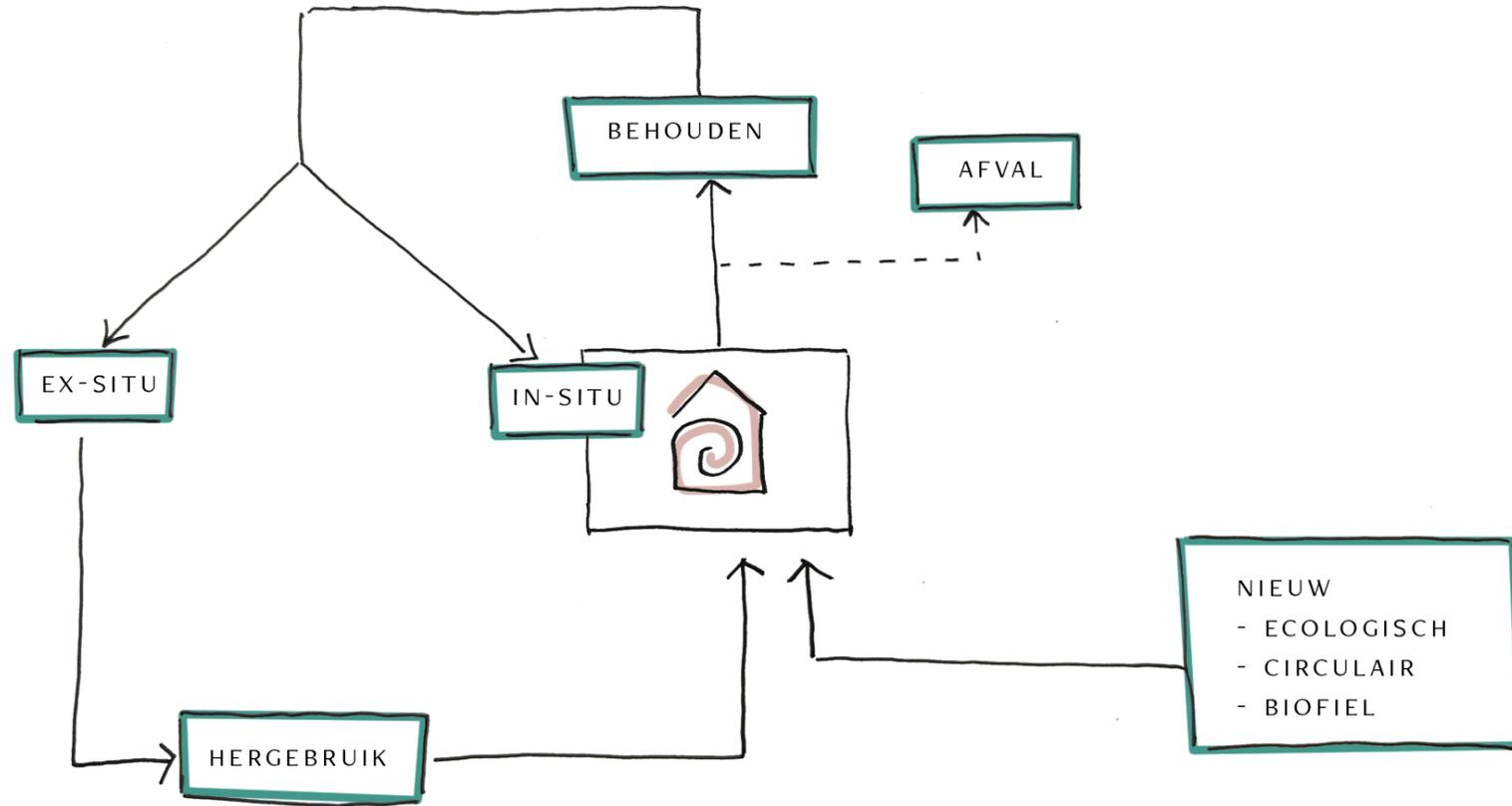
Titanium is op in 2044

Titanium is vooral bekend voor zijn toepassingen in de lucht- en ruimtevaart, vanwege gunstige verhouding sterkte/gewicht

## Mineralen en grondstoffen in Oekraïne

- |   |  |   |
|---|--|---|
|  lithium |  grafiet  |  overig                  |
|  uranium |  titanium |  zeldzame<br>aardmetalen |

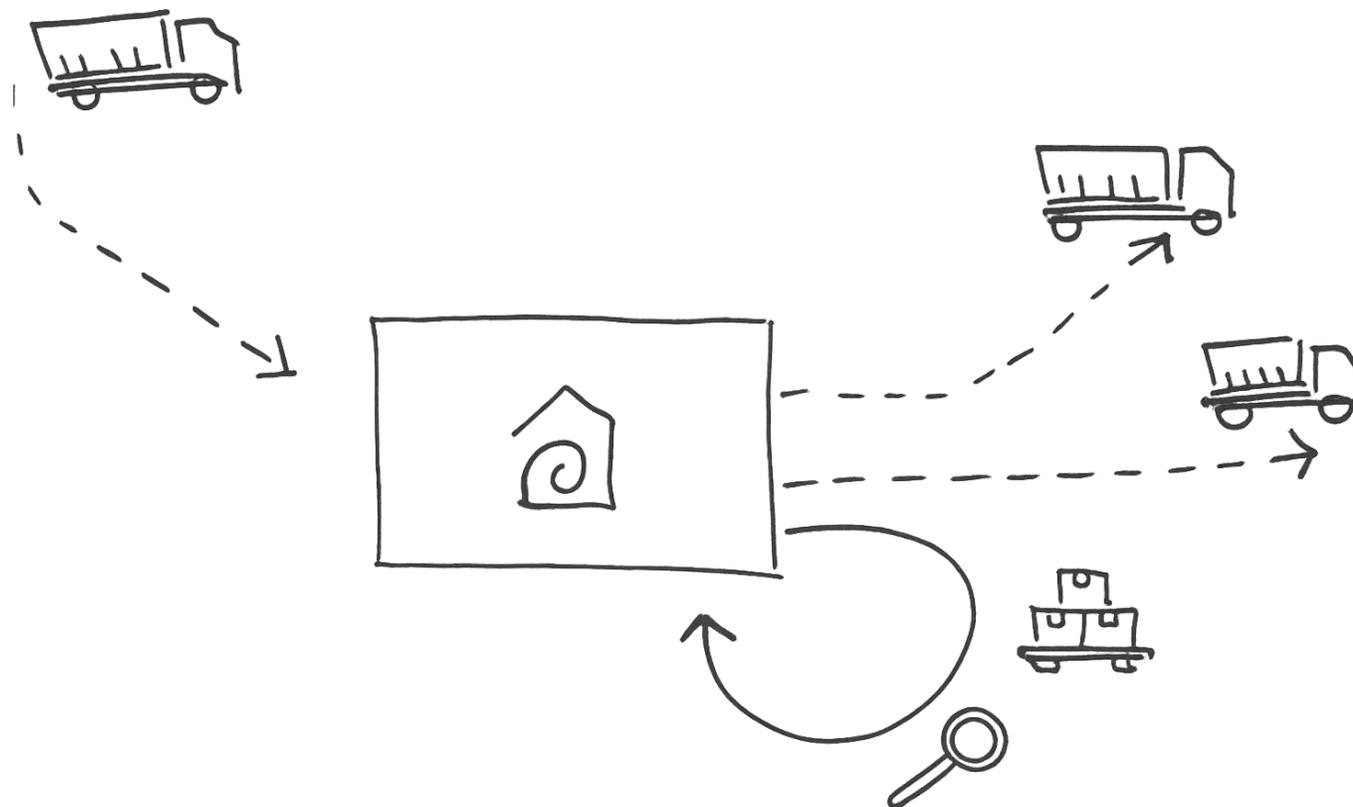




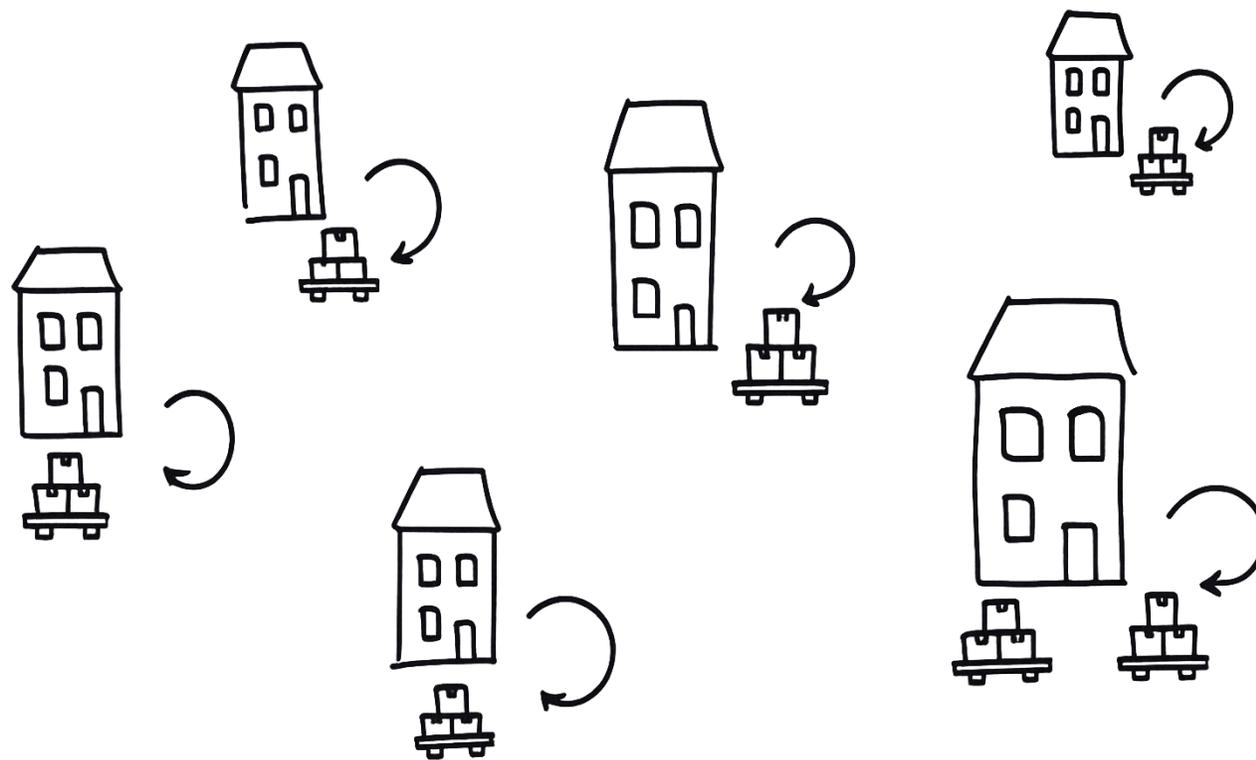
- 4 ton afval per 100m<sup>2</sup> voor kantoorgebouwen  
8 ton afval per 100m<sup>2</sup> voor woningen
- 30% recyclage -> secundaire grondstoffen
  - 70% afval -> verbranding -> CO<sub>2</sub> uitstoot



## HERWAARDERING VAN IN-SITU GRONDSTOFFEN

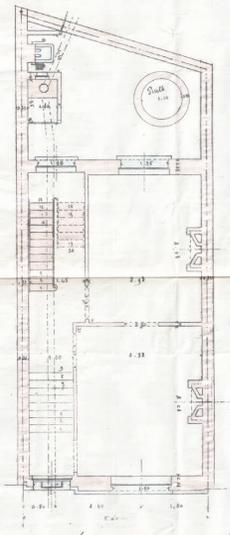


# SCHAALBAARHEID

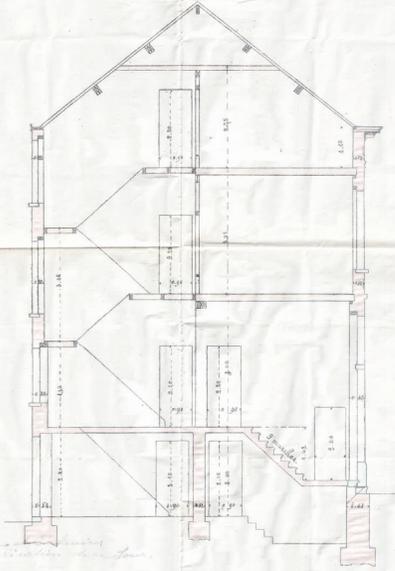


Propriété de M HENSSENS  
Rue de la Tannerie à Koekelberg.

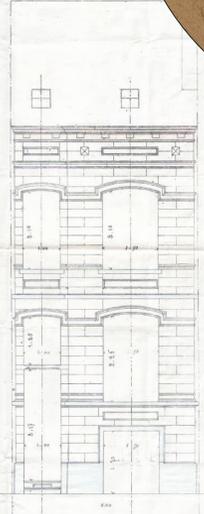
*Joint à une coupe de ce four  
Kochelberg le 14 février 1890  
L. Hoffmann*



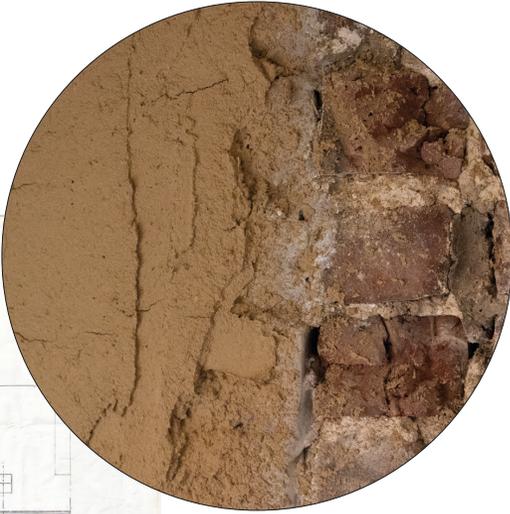
*Plan de coupe*



*Coupe longitudinale*

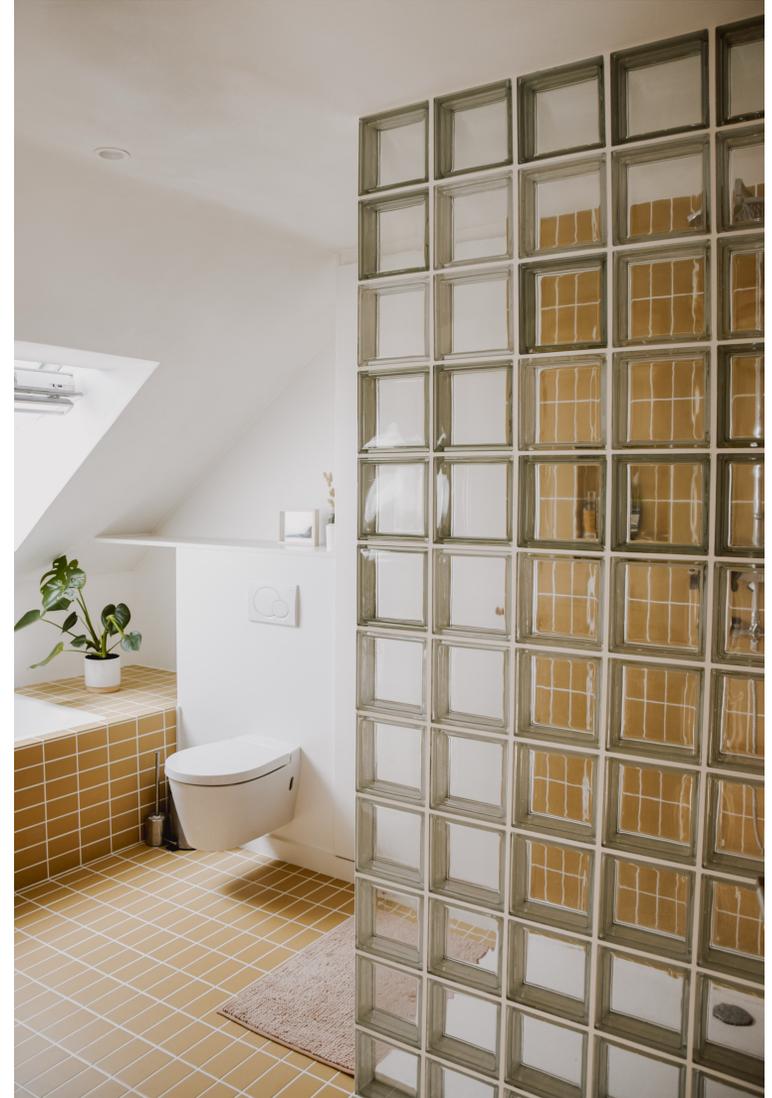


*Facade principale*



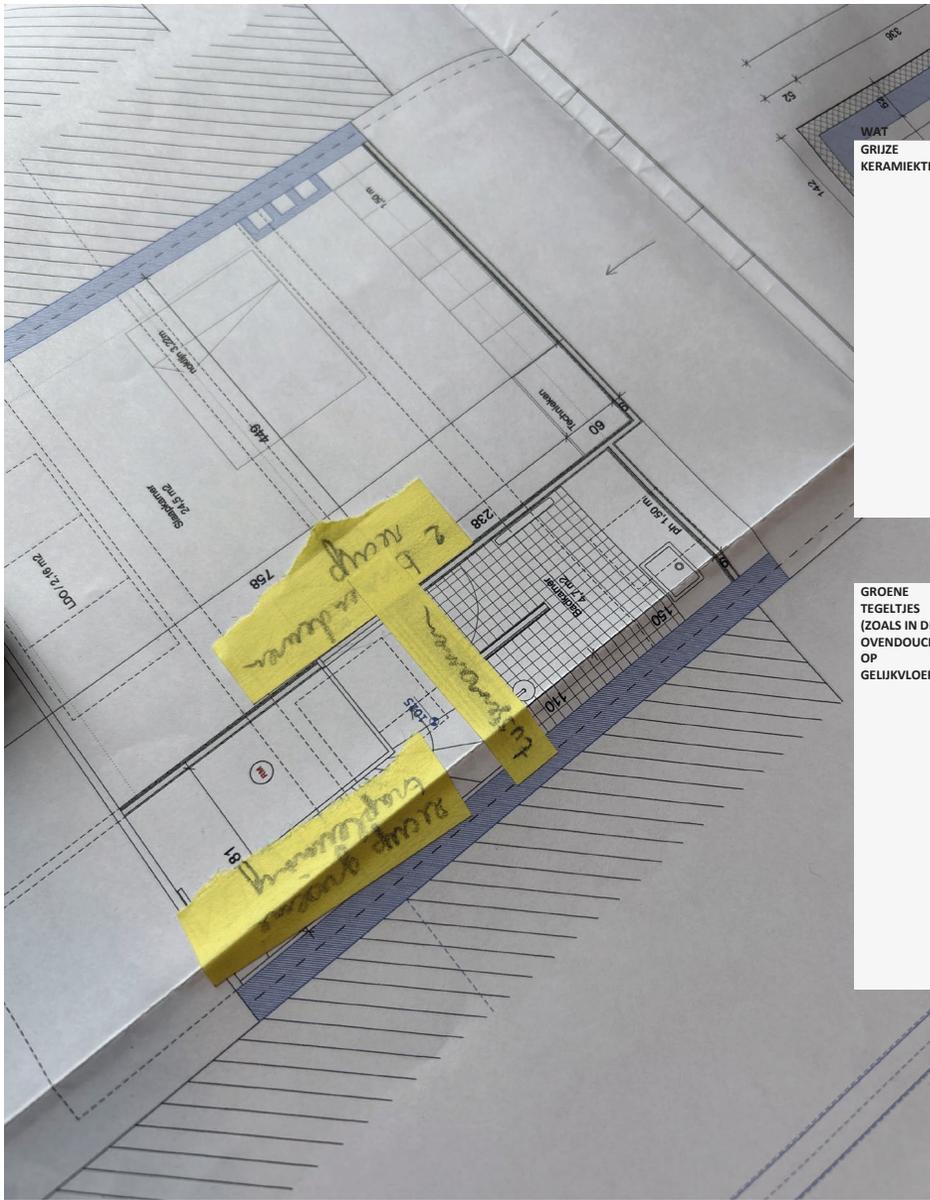
*Le joint de la coupe de ce four  
Kochelberg le 14 février 1890  
L. Hoffmann*











WAT  
 GRIJZE  
 KERAMIEKTEGELS

#  
 90

AFMETINGEN  
 30 x 60 cm

FOTO



GROENE  
 TEGELTJES  
 (ZOALS IN DE  
 OVENDOUCHE  
 OP  
 GELIJKVLOERS)

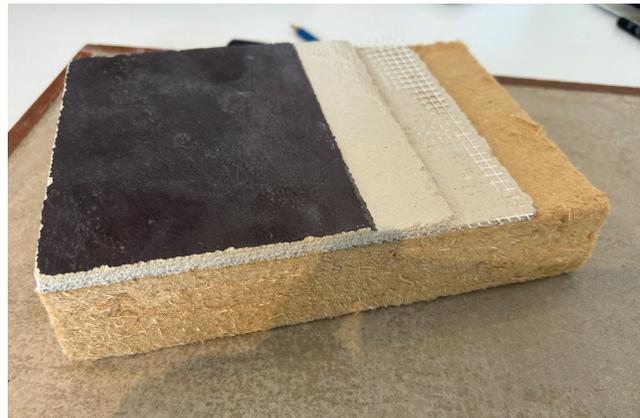
57

10 x 10 cm  
 volledige +  
 35  
 strookjes  
 (1/3<sup>de</sup> vd  
 normale  
 grootte)









## HERGEBRUIK IN-SITU (R&D)







## Wat mag u verwachten van onze samenwerking?

VOORGESPREK

ADVIES OP MAAT

VOORTRAJECT

PROJECT IN HET ZUIDEN

LEZINGEN

### Voorgesprek

Tijdens een voorgesprek toetsen wij de **gemeenschappelijke visie** af tussen Karibu-architecture en uw organisatie.

📅 We bespreken uw wensen en bekijken op welke manier wij uw organisatie optimaal kunnen begeleiden naar ecologische en circulaire projecten.





## Architecture has given us a tool to shape people's needs and dreams.

Informed by tradition, our practice explores new modes of construction for which the foundations have long been laid. Innovative uses of local resources and participatory design methods allow us to work beyond the boundaries of most established design practices and shed dominant norms to set our own precedents. Working across diverse geographies, our portfolio spans a wide spectrum of projects from civic infrastructure to temporary installations, from concept to execution. Founded by Francis Kéré in 2005, with a dual focus on design and social commitment, the studio's scope encompasses building, design and knowledge sharing.













UITDAGINGEN?



HEDLUNDA KLEUTERSCHOOL, UMEA, SWECO









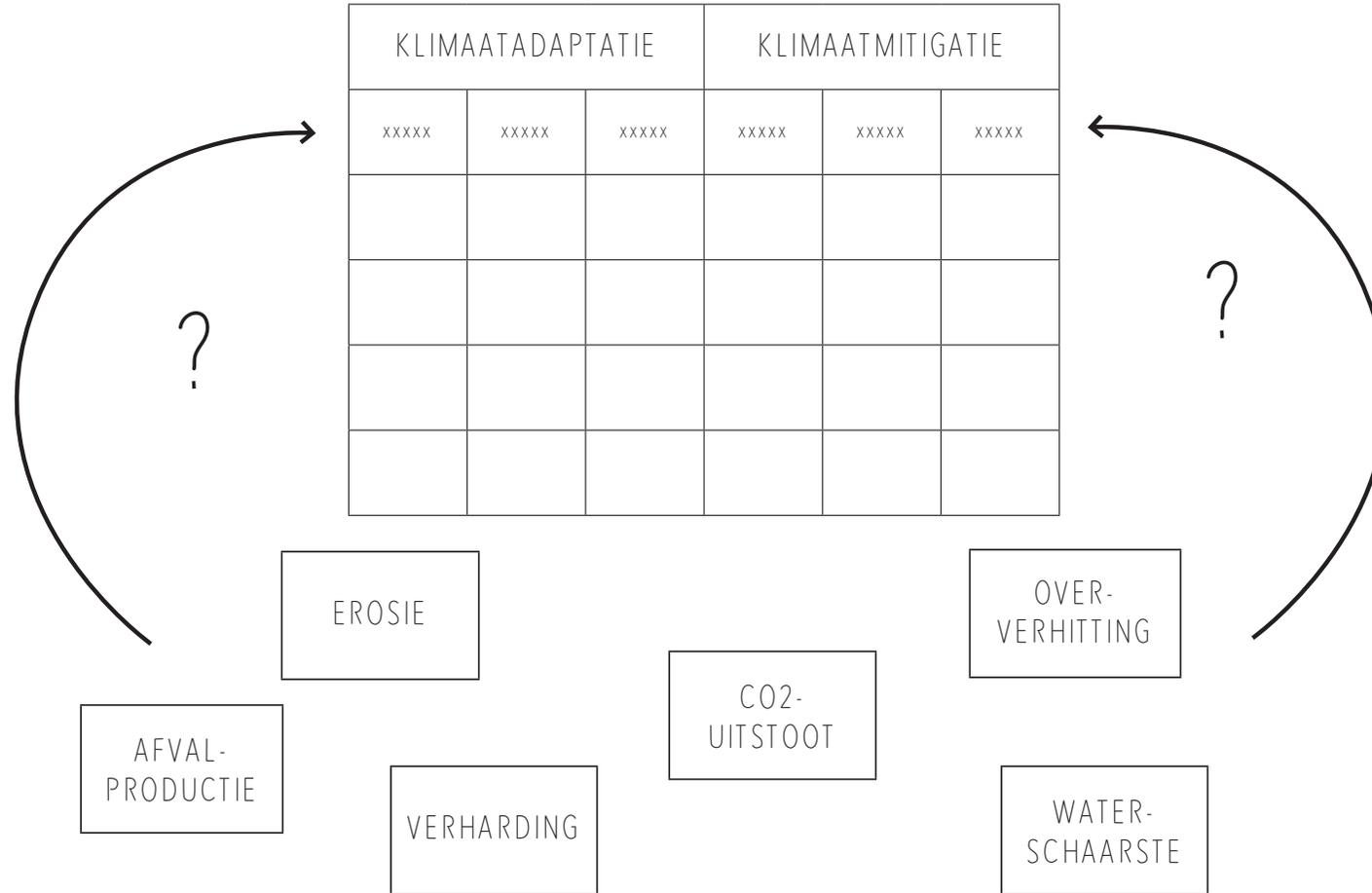


**Vernacular Architecture for a Changing Planet**

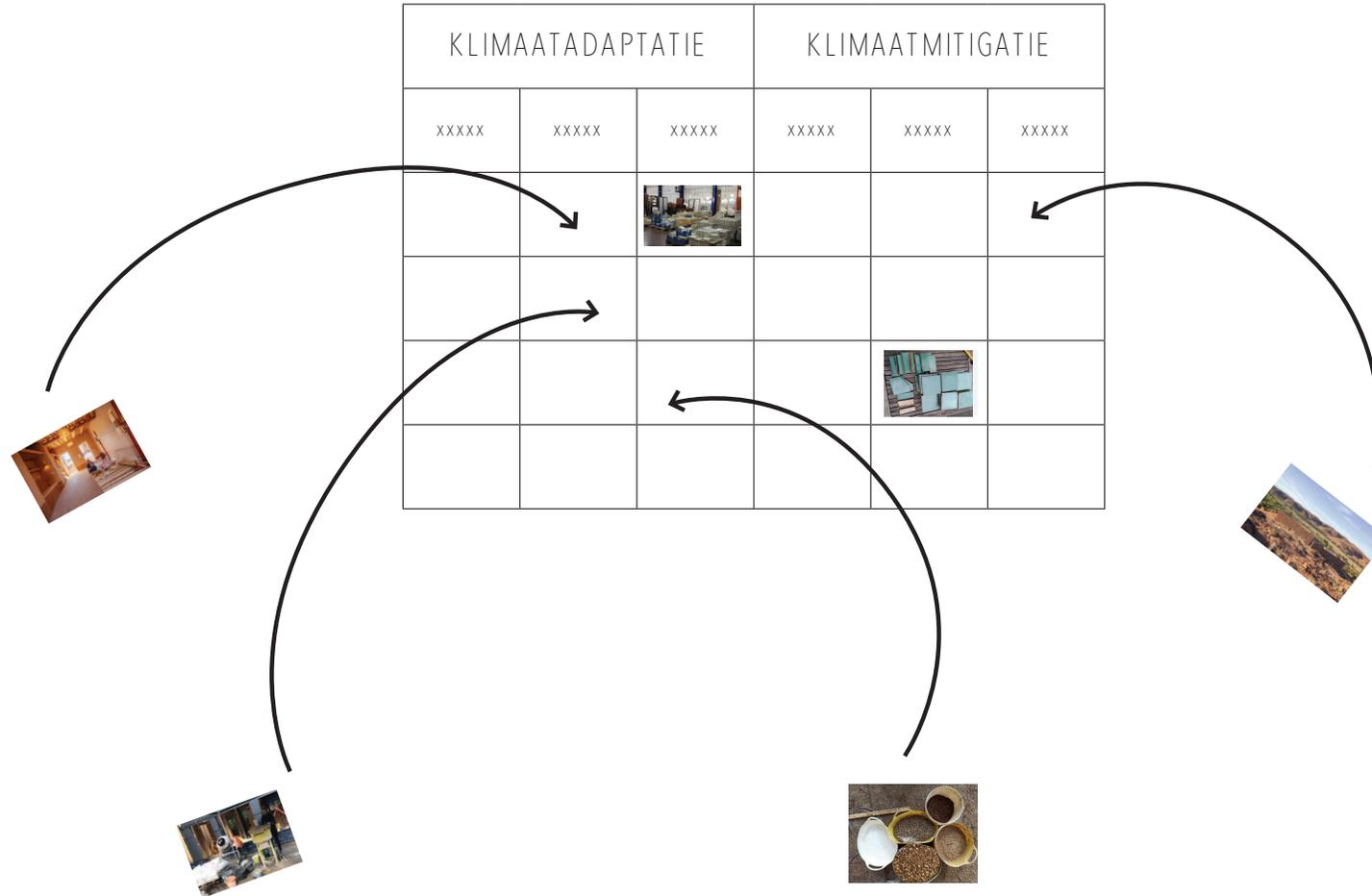
Edited by Sandra Piesik

**Thames & Hudson**

# UITDAGINGEN



# STRATEGIEEN



WELKE STRATEGIEËN DENKT U TE KUNNEN  
TOEPASSEN BINNEN UW PROJECT?

WELKE STRATEGIEËN KWAMEN NIET AAN BOED?

# KARIBU'S TOEKOMSTVISIE

