GreenInUrbs, 2017
Nature based Solutions for Sustainable and Resilient Cities
Orvieto, 4-7.April.2017

They Paved Paradise...
(How) Can Cities Turn Green Again?

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(How) Can Cities turn green again?

1. Why do we care?

2. How did we get here? or:
If Joni Mitchell were an urban planner...

3. Where do we go from here?

4.How do we get where we want to be ?

5. Why do we need to care? or: If Francis were an urban planner...

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Local Commitment to meet Urban Challenges

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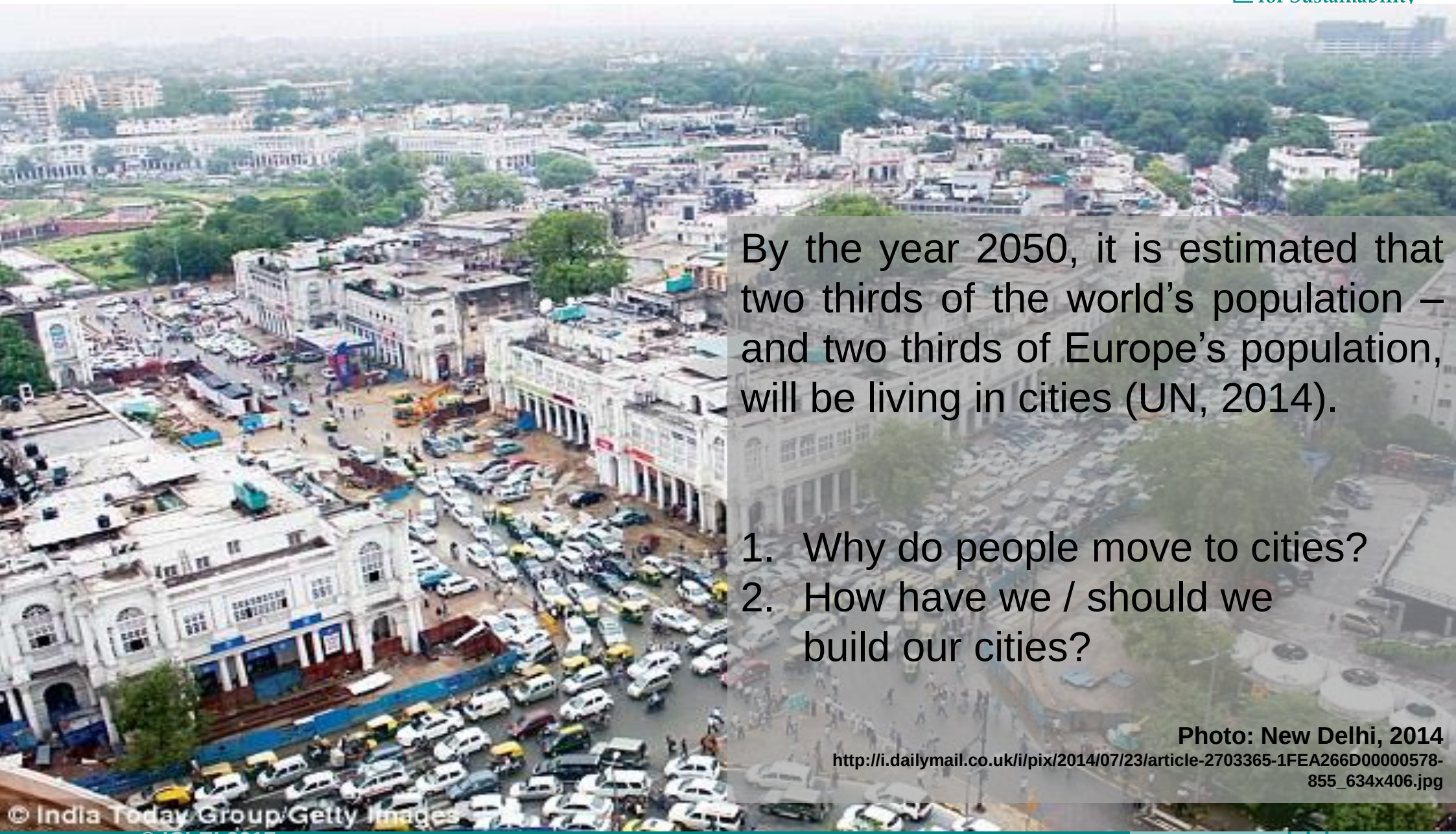

By the year 2050, it is estimated that two thirds of the world's population – and two thirds of Europe's population, will be living in cities (UN, 2014).

1. Why do people move to cities?
2. How have we / should we build our cities?

Photo: New Delhi, 2014
http://i.dailymail.co.uk/i/pix/2014/07/23/article-2703365-1FEA266D00000578-855_634x406.jpg

Global Commitment to Urban Transformation: UN Sustainable Development Goals

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Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable

11.7 By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities

THE BASQUE DECLARATION

TRANSFORMATIVE ACTIONS TO CREATE MORE PRODUCTIVE, SUSTAINABLE AND RESILIENT CITIES.

2. THE BASQUE DECLARATION DEFINES THREE TYPES OF TRANSFORMATION NEEDED FOR CHANGE

1. SOCIO-CULTURAL TRANSFORMATION
2. SOCIO-ECONOMIC TRANSORMATION
3. TECHNOLOGIGAL TRANSFORMATION

www.sustainablecities.eu #BasqueDeclaration

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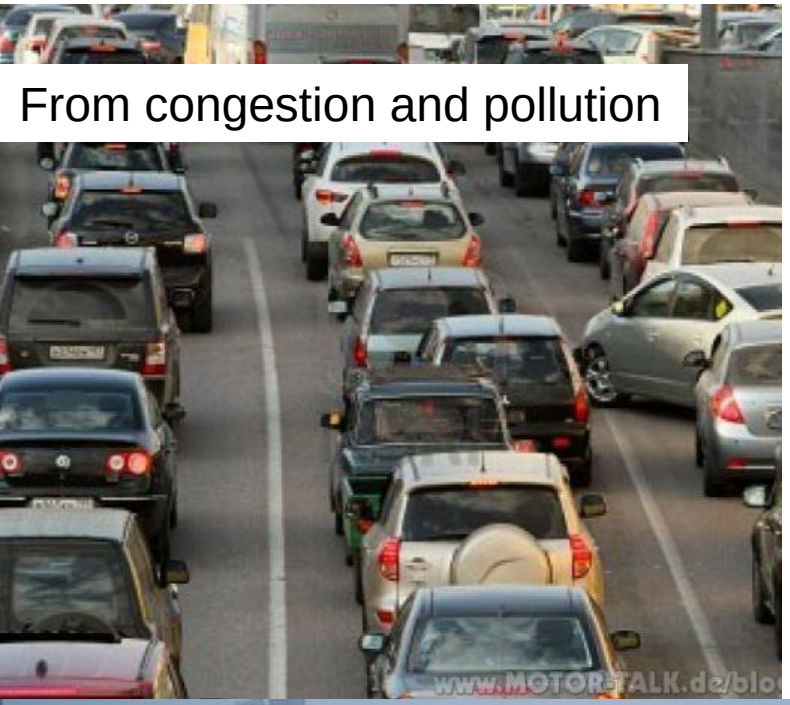
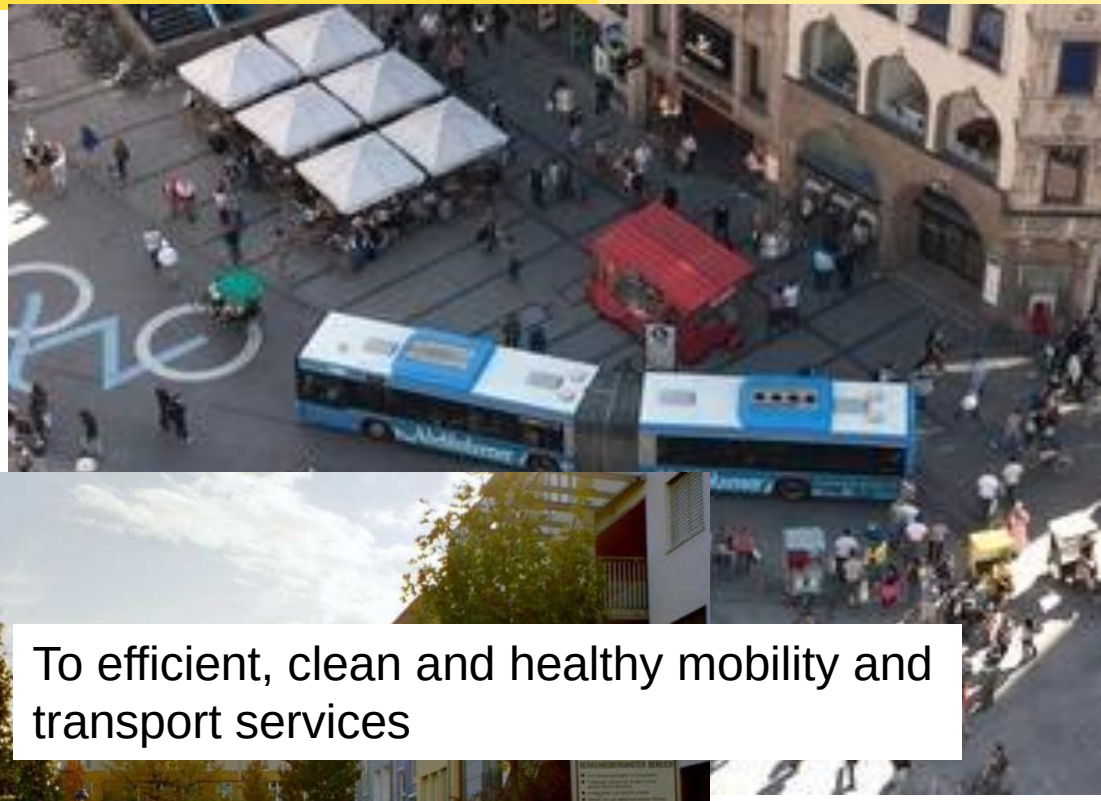
From congestion and pollution





To efficient, clean and healthy mobility and transport services

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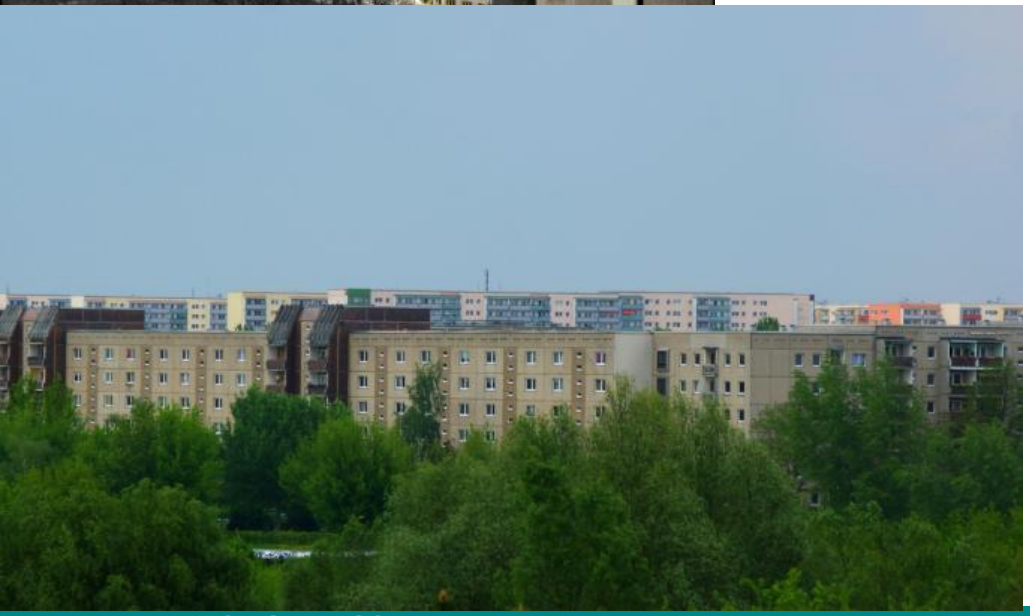
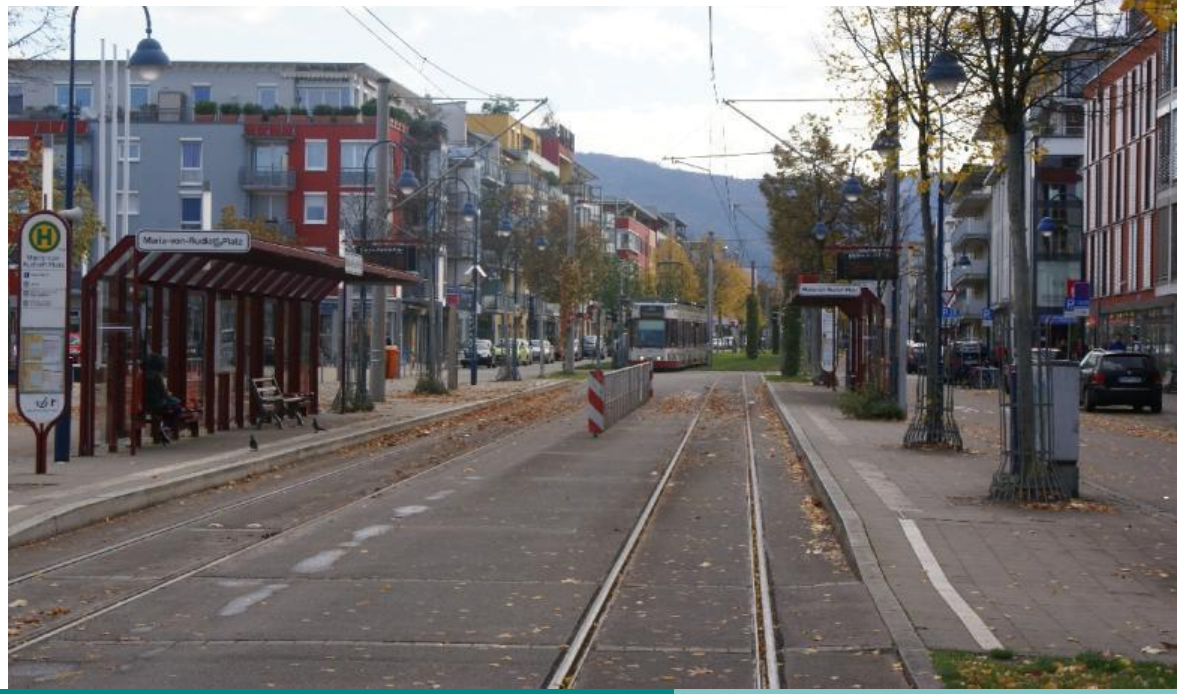
From housing industry

to energy efficient buildings and mixed development





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From conventional sewerage

to sustainable urban drainage

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If Joni Mitchell were an urban planner …
… she never had written songs like ‚Big Yellow Taxi‘. Lucky us!

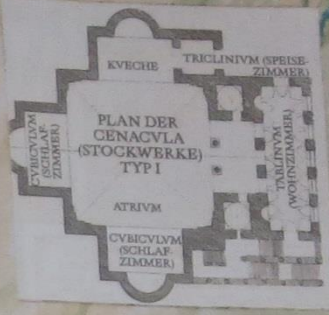
“They paved paradise
And put up a parking lot
With a pink hotel, a boutique
and a swinging hot spot…”
“Green Widows” and
“Roadside Vegetation”
photo: Holger Robrecht

WOLLT IHR LEBEN WIE GOTT IN GALLIEN?

DIE TRABANTENSTADT STEHT EVCH OFFEN!

EINE STADT IM GRVENE
INMITTEN EINES HERR
LICHEN, WEITEN NATVR
PARKS MIT REINER, HIMM
LISCH DVFTENDER LVFT
IDEAL FVER ALLE, DIE DE
VRBS MIT IHRER VERPES
TETEN LVFT VND IHRE
HEKTISCHEN GETRIEB
ENTFLIEHEN WOLLEN...

VND DAS KEINE DREI WOCHEN VON DER STADTMITTE ROMS VN
KNAPP EINE WOCHE VON DER STADTMITTE LVTETIAS (GALLIEN
ENTFERNT.

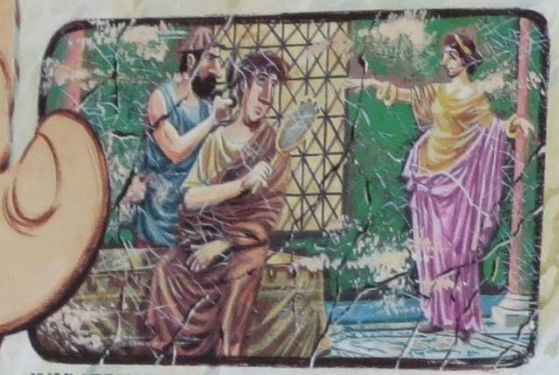


EINKAVFSZENTRVM (GEPLANT)

THERMEN – SPORTZENTRVM (GEPLANT)

GALLISEVM (GEPLANT)

EIN GLVECKLICHES VND GESVNDES LEBEN



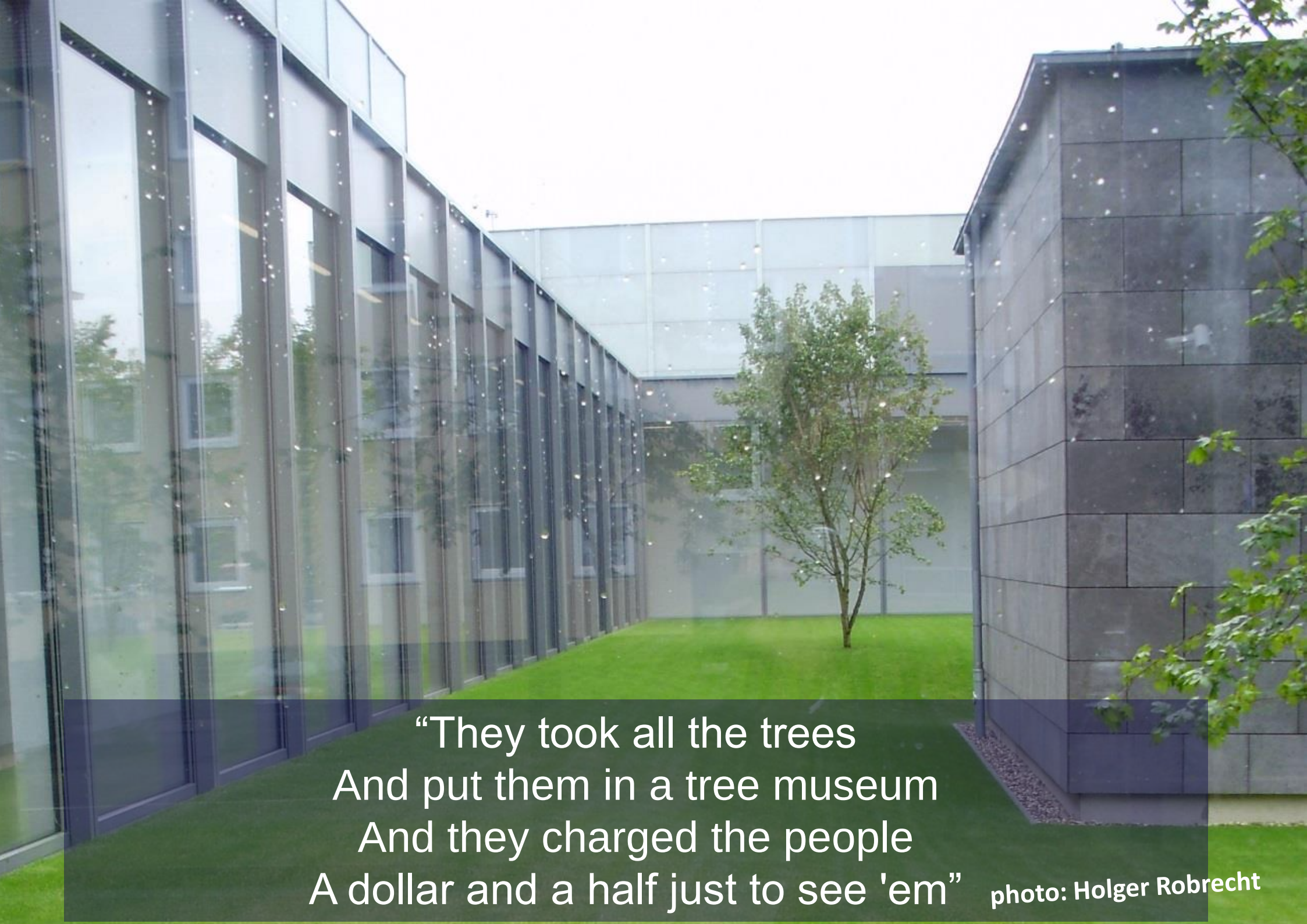
KAVM ERTOENT IM MORGENGRAVEN DER MELODISCHE SCHREI DES GALLISCHEN HAHNES, ERHEBEN SICH DIE FRAVEN DES HAVSES, EBENSO DIE MAENNER VND KINDER. WAEHREND DER MANN SEINE HAARPFLEGE DEM TONSOR (AN ORT VND STELLE VORHANDEN) ANVERTRAVT, GIBT DIE FRAV DES HAVSES DIE NOETIGEN ANWEISVNGEN, DAMIT DIE KINDER, BEVOR SIE ZVR SCHVLE GEHEN, NOCH IHR JENTACVLVM BEKOMMEN. ERST DANACH RVFT SIE IHRE ORNATRIX, DIE SIE FRISIERT, WAEHREND SIE SELBST ZVSIEHT, WIE SICH DRAVSSEN AVF DEM RASEN DES PARKS DIE WILDSCHWEINE TVMMELN.

IN DEN SCHVLEN DER TRABANTENSTADT SIN
AVSGESVCHTE SKLAVEN MIT DER ERZIEHVN
DER KINDER BETRAVT. SKLAVEN, DIE BEI DE
ELTERNVERSAMMLVNGEN RECHENSCHAF
VEBER DIE MITARBEIT DER SCHVELER ABLEGEN
ES IST BEI EVENTVELLEN MEINVNGSVERSCHIE
DENHEITEN ERLAVBT, NACH BELIEBEN SCHVE
LER ODER PAEDAGOGEN MIT DER PEITSCH
ZV ZVECHTIGEN. WAEHREND DIE SCHVELE
IN DER SCHVLE SIND, GEHT DER MANN ZV
ARBEIT. ARBEITET ER IN ROM, SO KOMMT E
ALLE SECHS WOCHEN FVER EINE GANZE NACH
NACH HAVSE.

EIN LEBEN WIE EIN GOTT!

DIE FRAV DES HAVSES, DIE, INZWISCHEN GESCHMVECKT, ALLEIN ZVRVECKGEBLIEBEN IST, GEHT NVN ZV IHREN FREVNDINNEN, VM MIT IHNEN DAS PRANDIVM EINZVNEHMEN. ANSCHLIESSEND KANN SIE INS (GEPLANTE) EINKAVFSZENTRVM GEHEN, WO SIE NAHEZV ALLES FINDET: VON LEBENSMITTELN VND KLEIDERN BIS ZV SCHMVCK VND SKLAVEN. HAT SIE GAESTE VND ES FEHLT IHR EIN SKLAVE? GESCHWIND EILT SIE AVF DEN MARKT VND HOLT SICH EINEN! ABER VIELLEICHT IST ES AVCH ZEIT, DIE CENA VORZVBEREITEN, DA DIE KLEINE HAVSGEMEINSCHAFT BALD WIEDER ZVRVECK SEIN WIRD.

WENN DER MANN VON DER ARBEIT HEIMKOMMT, HAT ER DIE WAHL, ENTWEDER MIT SEINEN FREVNDEN INS SPORTZENTRVM ZV GEHEN ODER MIT SEINER FRAV EINEN ROMANTISCHEN SPAZIERGANG DVRCH DIE PARKANLAGEN (MIT SICH TVMMELNDEN WILDSCHWEINEN) ZV MACHEN. AM ABEND GIBT ES ZIRKVSSPIELE (IM GEPLANTEN GALLISEVM) ODER EINFACH EINE KLEINE ORGIE MIT DEN NACHBARN. ANSCHLIESSEND BRAVCHT MAN NVR NOCH ZV BETT ZV GEHEN, VM DEN NEVEN TAG ZV ERWARTEN, EINEN TAG, WIE IHN NVR DIE TRABANTENSTADT BIETEN KANN!


“They took all the trees
And put them in a tree museum
And they charged the people
A dollar and a half just to see 'em”
photo: Holger Robrecht

“Late last night
I heard the screen door slam
And a big yellow taxi
Took away my old man.”

photo: Holger Robrecht

If Joni Mitchell were an urban planner …
… we possibly would have anticipated the state of our cities in 2017 – and they might have looked different. A pity.

“Don't it always seem to go
That you don't know what you've got
Till it's gone
They paved paradise and put up a parking lot.”

What is “Nature”
in an Urban Context?
photo: Holger Robrecht

Nature-Based Solutions are actions which are inspired by, supported by or copied from nature.”

EC, Nature-Based Solutions & Re-Naturing Cities. 2015

Photo: Holger Robrecht

photo: Holger Robrecht

Green Chamber
(by TURAS;
http://www.turas-cities.org)

photo: Holger Robrecht

PROMO-CORNER OPENED

Open European Day @ Bonn Resilient Cities

(3rd May 2017, Bonn, Germany)

- Interactive **city-to-city platform** on urban climate change adaptation
- Open **exchange forum** for local politicians, adaptation managers and practitioners, and key urban adaptation stakeholders
- **Share experiences, learn from others and discuss solutions**

Register at: http://resilientcities2017.iclei.org/open-european-day/

Open European Day @ Bonn Resilient Cities

(3rd May 2017, Bonn, Germany)

- Focus on **co-creation, innovation and transformation;**
- Workshops on **innovative financing**, **nature-based solutions**, **co-creation** and codesign**;**
- Discuss with supporters incl. **European Commission, European Investment Bank, Covenant of Mayors, Committee of the Regions.**

Register at: http://resilientcities2017.iclei.org/open-european-day/

PROMO-CORNER CLOSED

Goals for nature-based solutions

- *Enhancing sustainable urbanization*
- *Restoring degraded ecosystems*
- *Developing climate change adaptation and mitigation*
- *Improving risk management and resilience*

EC, Nature-Based Solutions & Re-Naturing Cities. 2015

Photo: Holger Robrecht

NEU
EINFACH SCHNELL VERLEGT
urbanscape
URBANSCAPE: DAS GRÜNDACH-SYSTEM
Anlieferung als komplettes System
Einfach und schnell selbst verlegen
Von Beginn an grün
Mehr dazu hier im Baumarkt oder unter www.knauf.de/urbanscape
KNAUF
Green Chamber, Shortly available in your DIY-market
photo: Holger Robrecht

Green infrastructure

… a strategically planned network of natural and semi-natural areas with other environmental features. GI works together with nature to reach economic, social and ecologic benefits.

EU Green Infrastructure Strategy

photo: Holger Robrecht

What is nature in an urban context?

Nature vs. civilisation?

Green urban infrastructure vs. grey infrastructure?

Human centred and designed ecosystem(s)?

Use of ecosystem services?

From vision to implementation

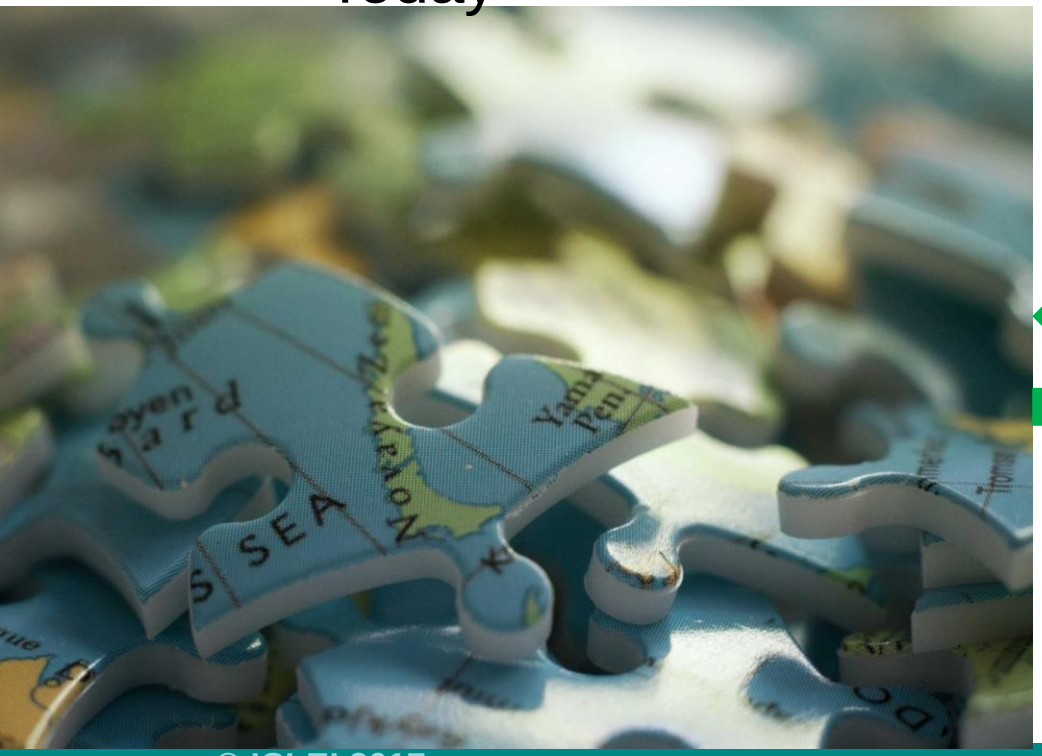
Backcasting (Input)

Data Indicators (KPIs) Goals

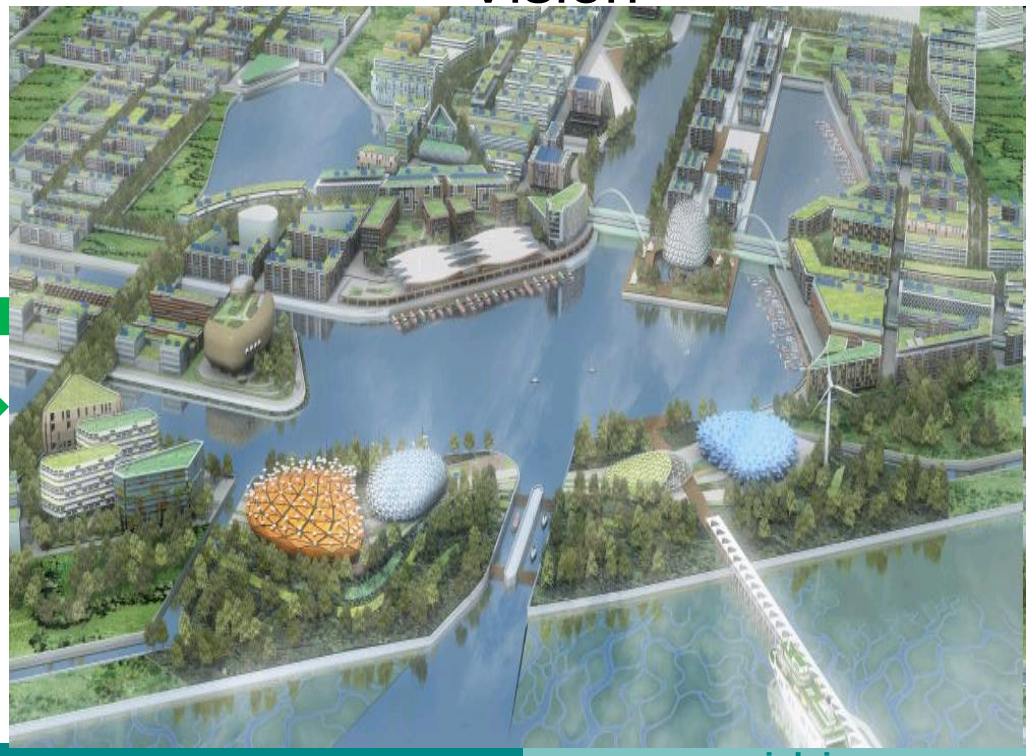
Strategy Plans Actions

Forecasting (Output)

Today



Vision



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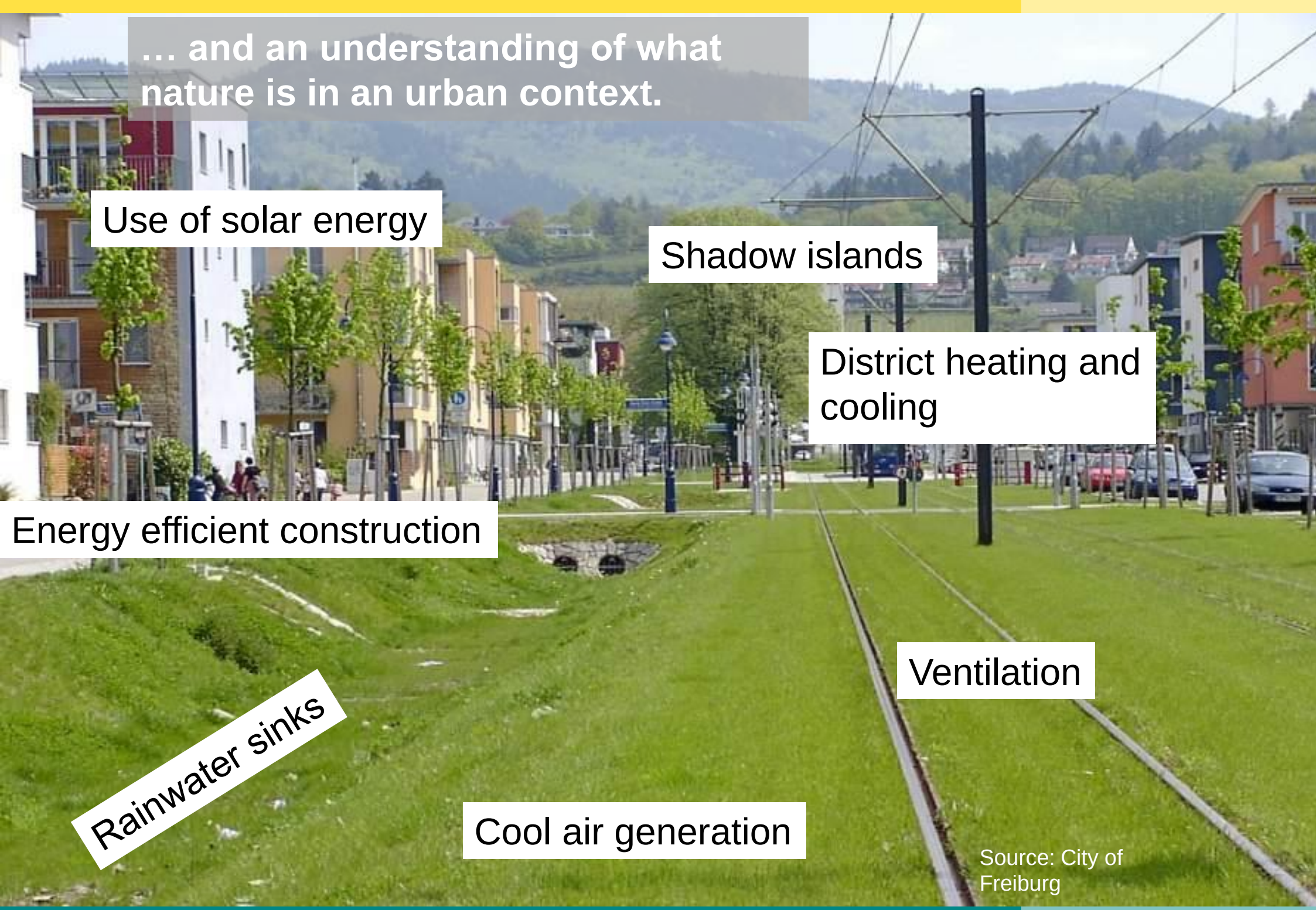
It needs a vision: Barcelona: Green Infrastructure and Biodiversity Plan 2020

© Barcelona Green Infrastructure and Biodiversity Plan 2020


… and an understanding of what nature is in an urban context.
Use of solar energy
Shadow islands
District heating and cooling
Energy efficient construction
Ventilation
Rainwater sinks
Cool air generation
Source: City of Freiburg

Sense of place - co-experience

“Industrial Jungle” Rheinelbe, Gelsenkirchen

Source: https://www.wald-und-holz.nrw.de/ueber-uns/einrichtungen/regionalforstaemter/ruhrgebiet/industriewald-ruhrgebiet/

Creating local values – Incentives in Copenhagen

© Adaptation inspiration book

Creating local and regional value chains:

Drink beer - support farming!

photo: Holger Robrecht

How would Green in Urbs become ‚our beer‘?
UnserBier
Bier von hier statt Bier von dort.
photo: Holger Robrecht

The economic perspective on urban nature

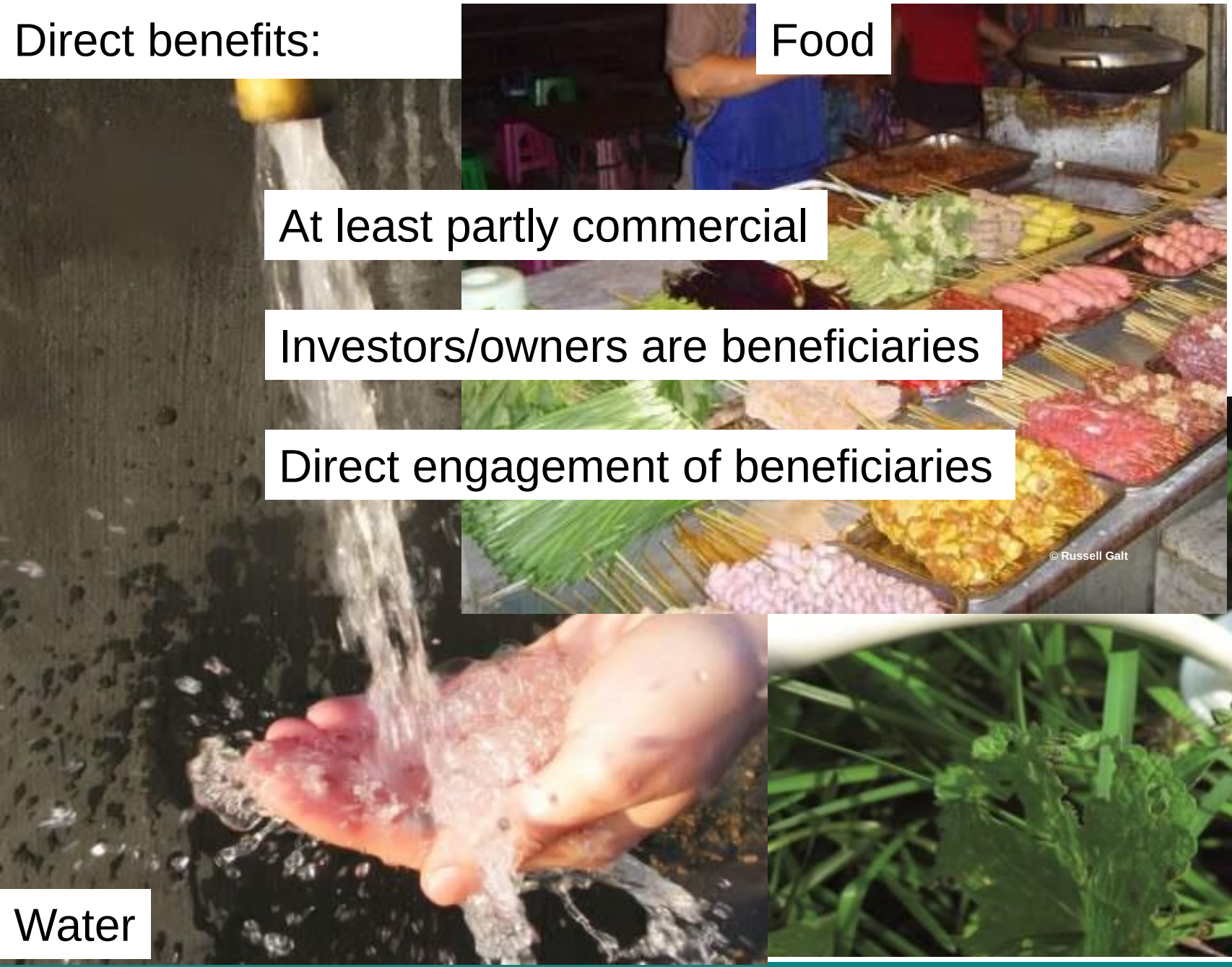
Direct benefits:

Food

At least partly commercial

Investors/owners are beneficiaries

Direct engagement of beneficiaries



Water

Energy

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An economic consideration - Energy

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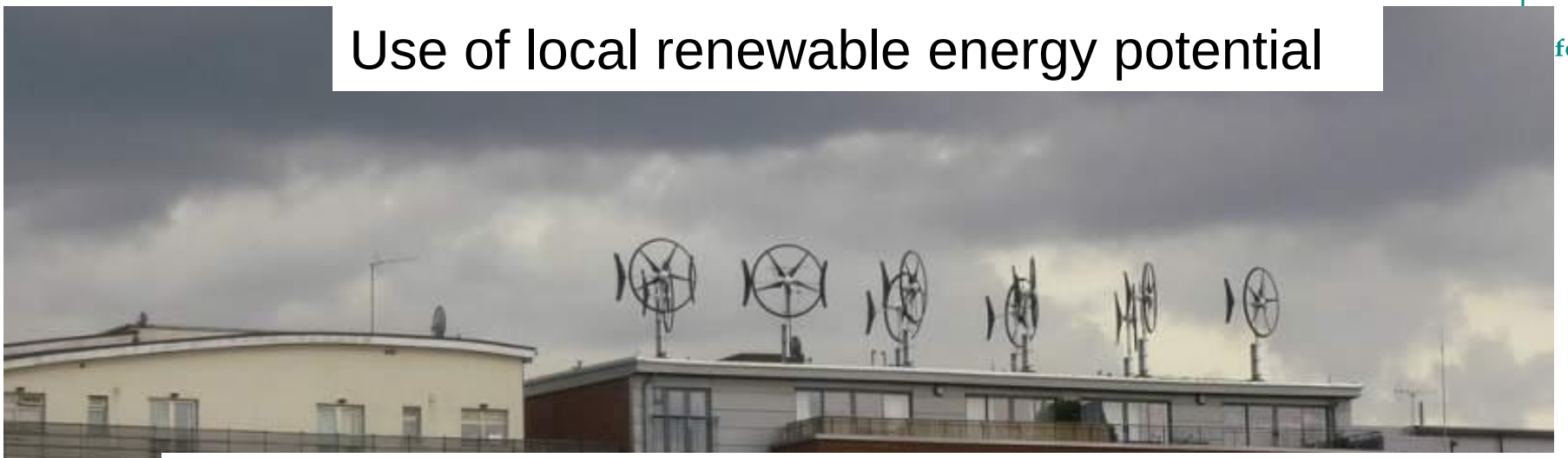
Use of local renewable energy potential



© fiomaha, fli

Creation of citizens' investment models

© Jörgens.mi/Wikipedia

Reduction of dependence on fossil fuel imports and creation of economic gains in the and for the region

An economic consideration - Food

Local and regional markets

Cultivation in cities and surroundings
Cooperatives und other models

Distribution chain and networks

© ICLEI 2017

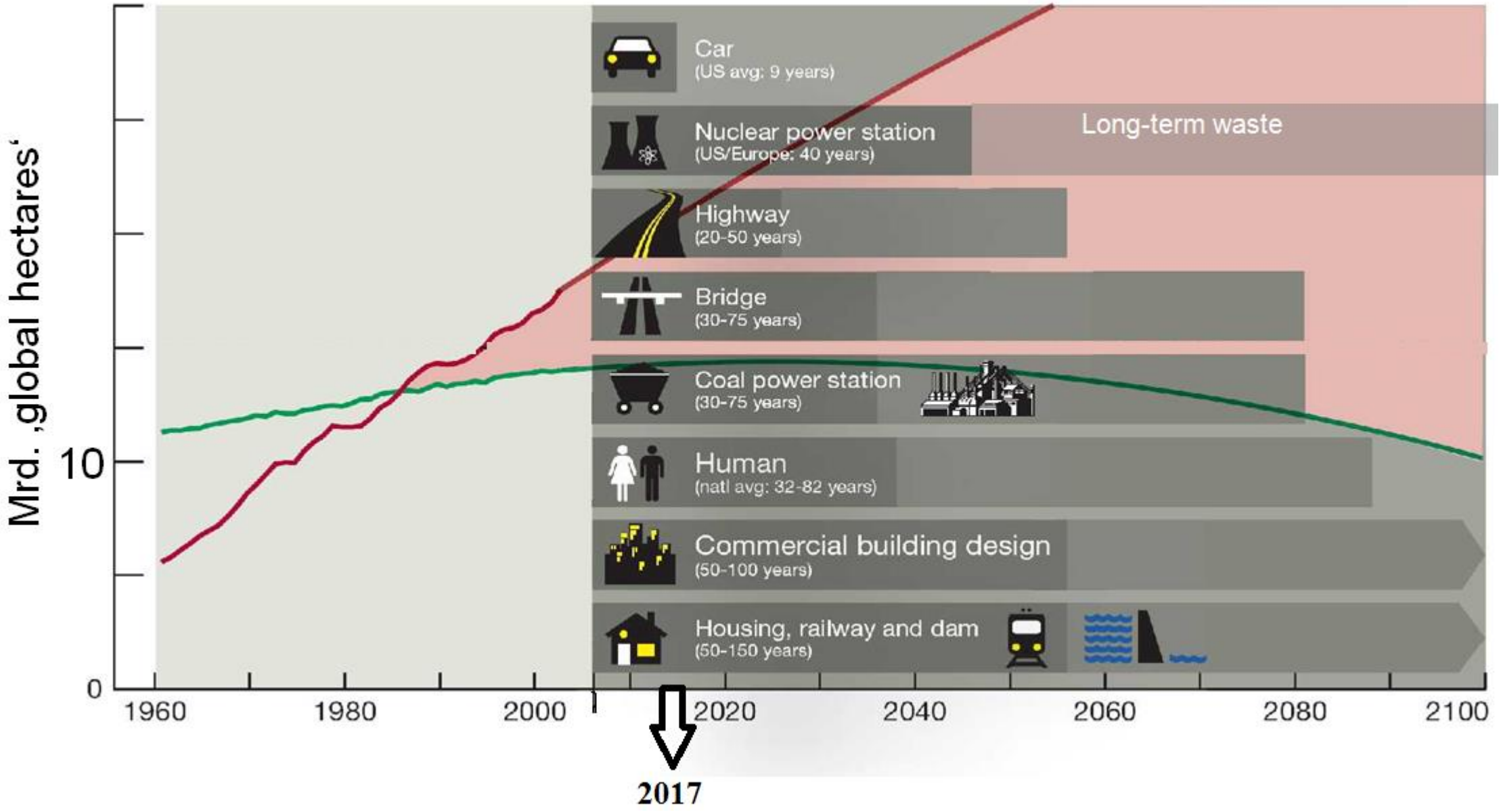
Creating local and regional value chains - My business plan: Urban growth that can be eaten!

photo: Holger Robrecht

Why do we need to care about GreenInUrbs - green urban transformation?

photo: Holger Robrecht

We built 2050 today!



Source: Mathis Wackernagel, Global Footprint Network, 2009

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We know enough …

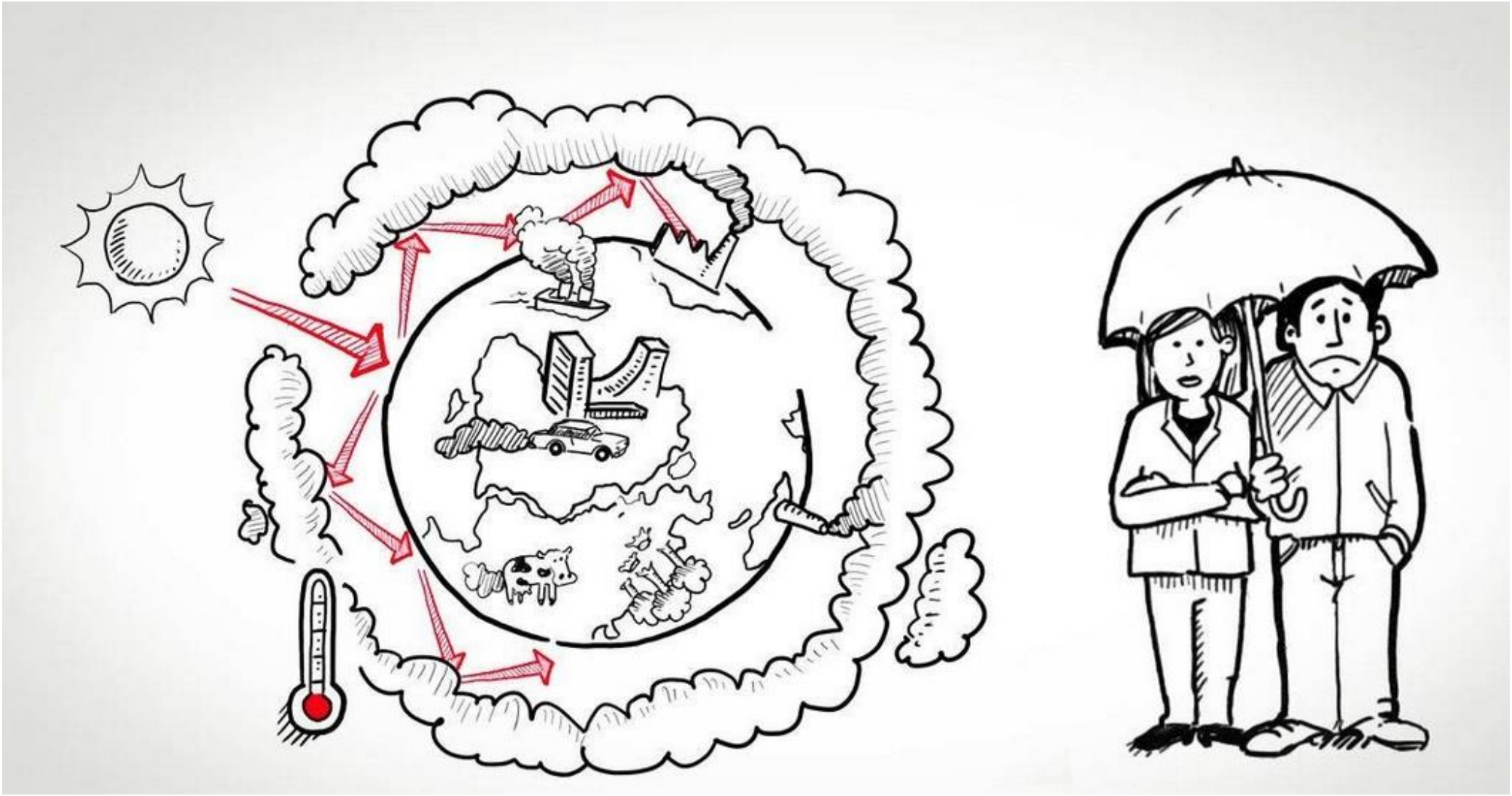

Image from clip: We know enough about climate change; https://vimeo.com/39053686

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We have enough…

Juncker reveals giant EU investment plan

26 November 2014 | Europe | Share

Jean-Claude Juncker: "It is a question of getting some new winds blowing through Europe... some fresh air into the structures"

European Commission President Jean-Claude Juncker has given details of a €315bn (£250bn; $393bn) investment plan to kick-start Europe's economy.

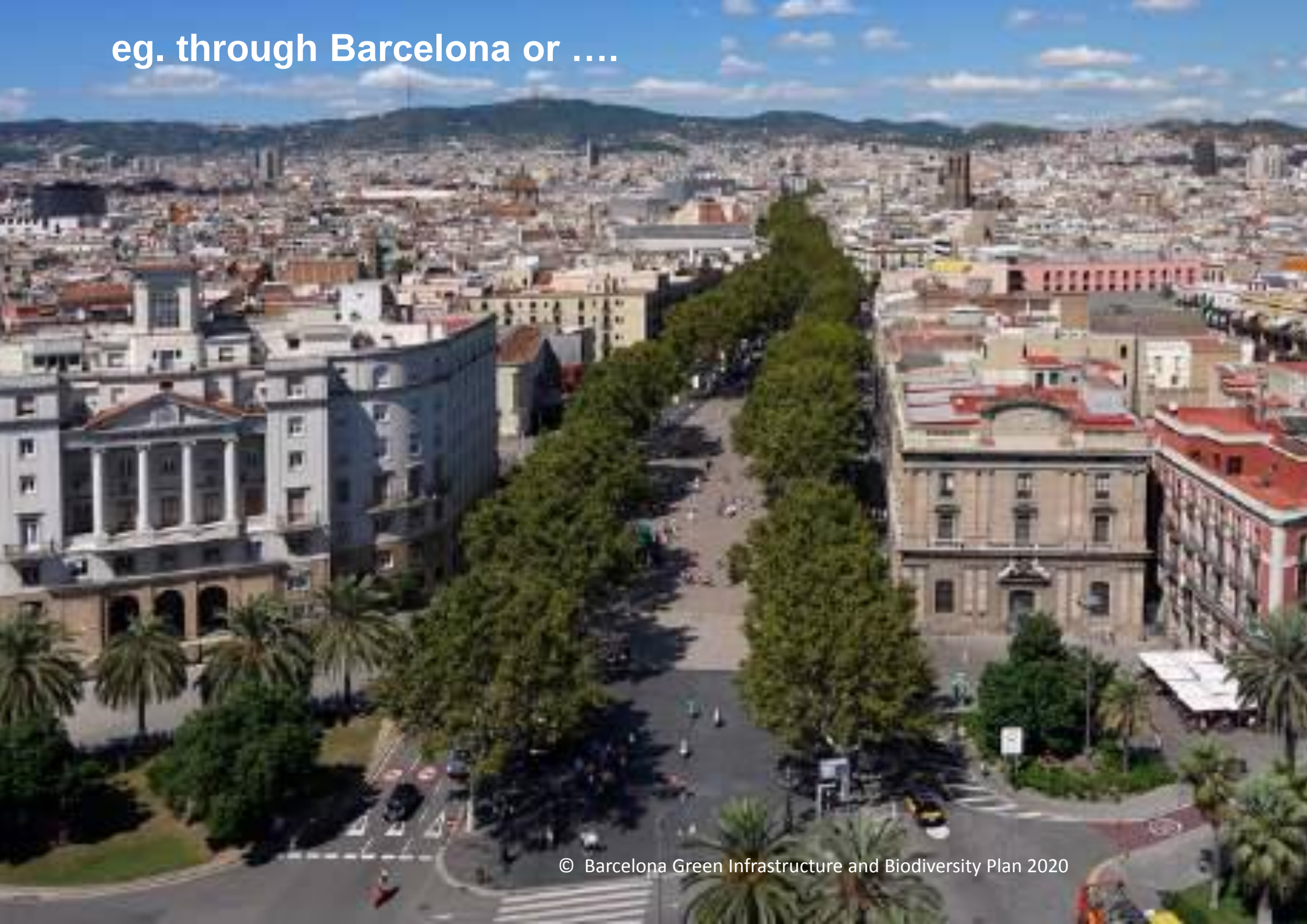
„315 Billion Euros“ in 2014.

Investment to date: ca. 55 %.

Source: http://www.bbc.com/news/world-europe-30205776

Green in urbs: a global mega-trend.
The transformation starts local.
"The road to
sustainability
runs through the
world's towns and cities."
Local is global.
Global is local.
Ban Ki-Moon, former
UN Secretary General

eg. through Barcelona or ….



© Barcelona Green Infrastructure and Biodiversity Plan 2020

... or your city!

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“Praise be to you, my Lord, through our Sister, Mother Earth, who sustains and governs us, and who produces various fruit with coloured flowers and herbs”.
Francis of Assisi, Canticle of the Creatures
photo: Holger Robrecht

“Anyone who swears at my Mother (Earth)
should expect a punch!”
(Could be a quote from ‘Laudato Si’, is not.)

every day.
Transform and evolve.
Hana Bank

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Thank you!

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