

Islands as sustainable playgrounds



Søren Femmer Jensen
Director & Founder
Cocreative.com

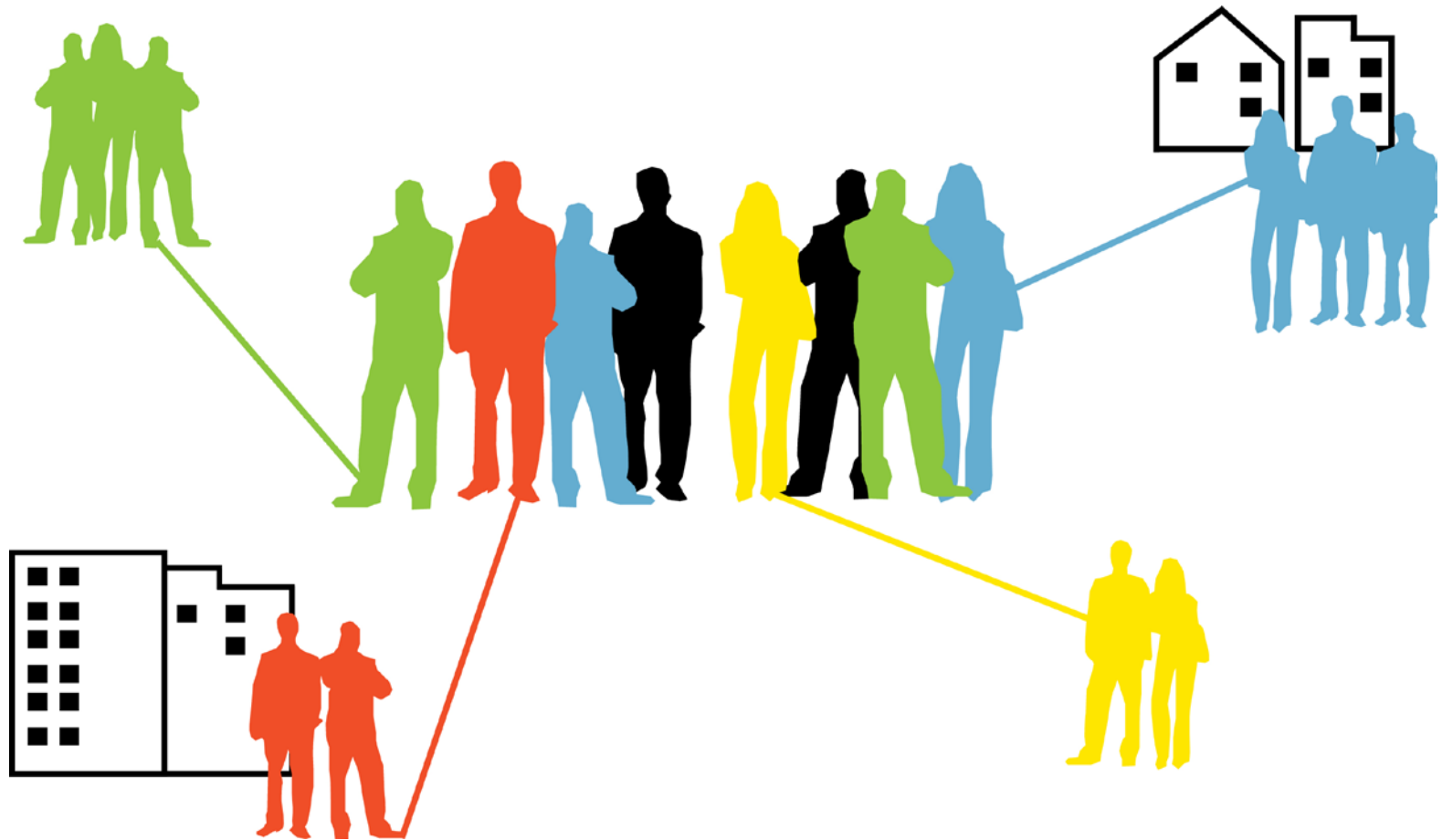
CO·CREATIVE

ISLANDS AS SUSTAINABLE PLAYGROUNDS



Who?

CO-CREATIVE



"Sustainable innovation is very much about people."

ISLANDS AS SUSTAINABLE PLAYGROUNDS



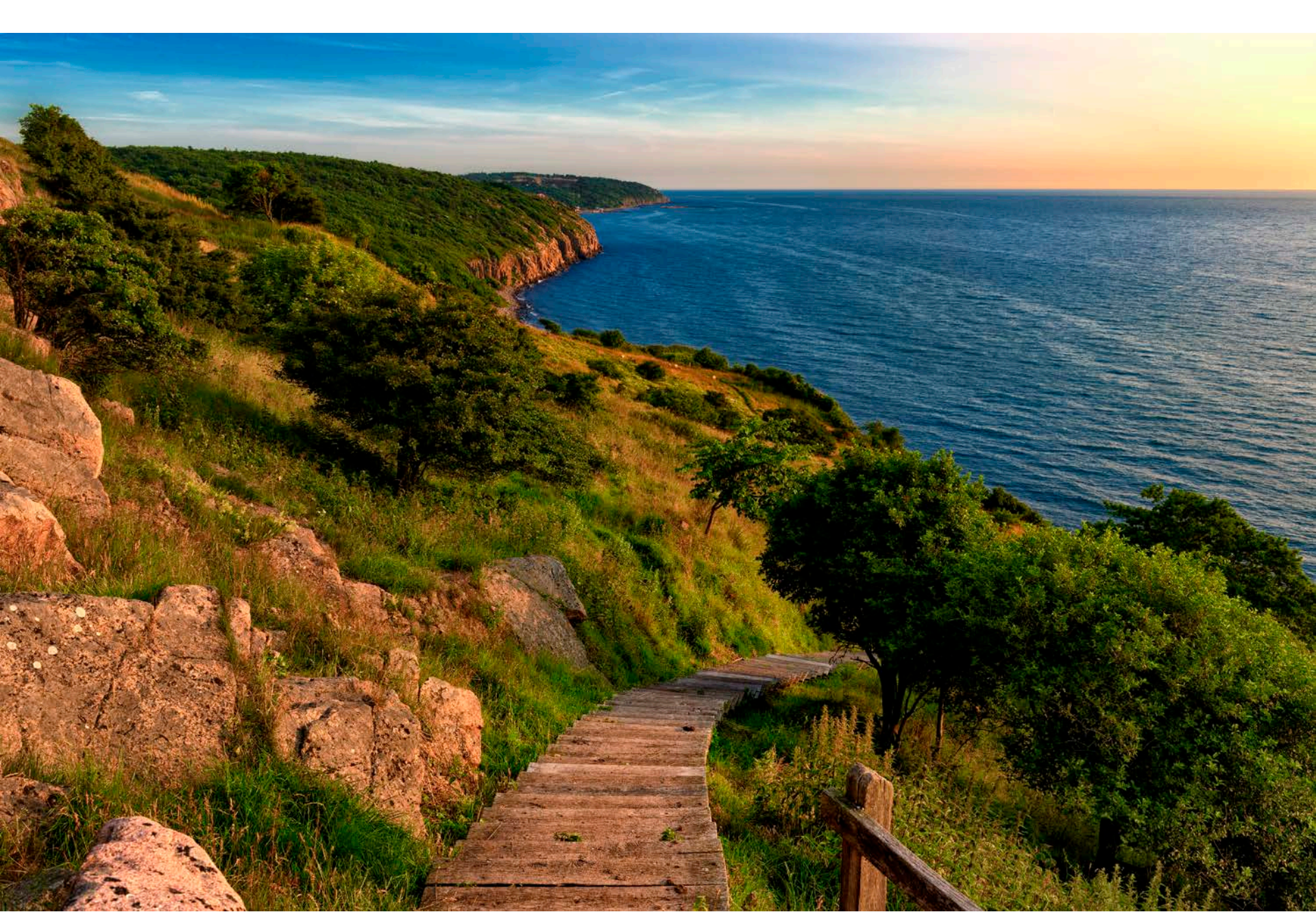
Where?

BRIGHT GREEN ISLAND OF BORNHOLM







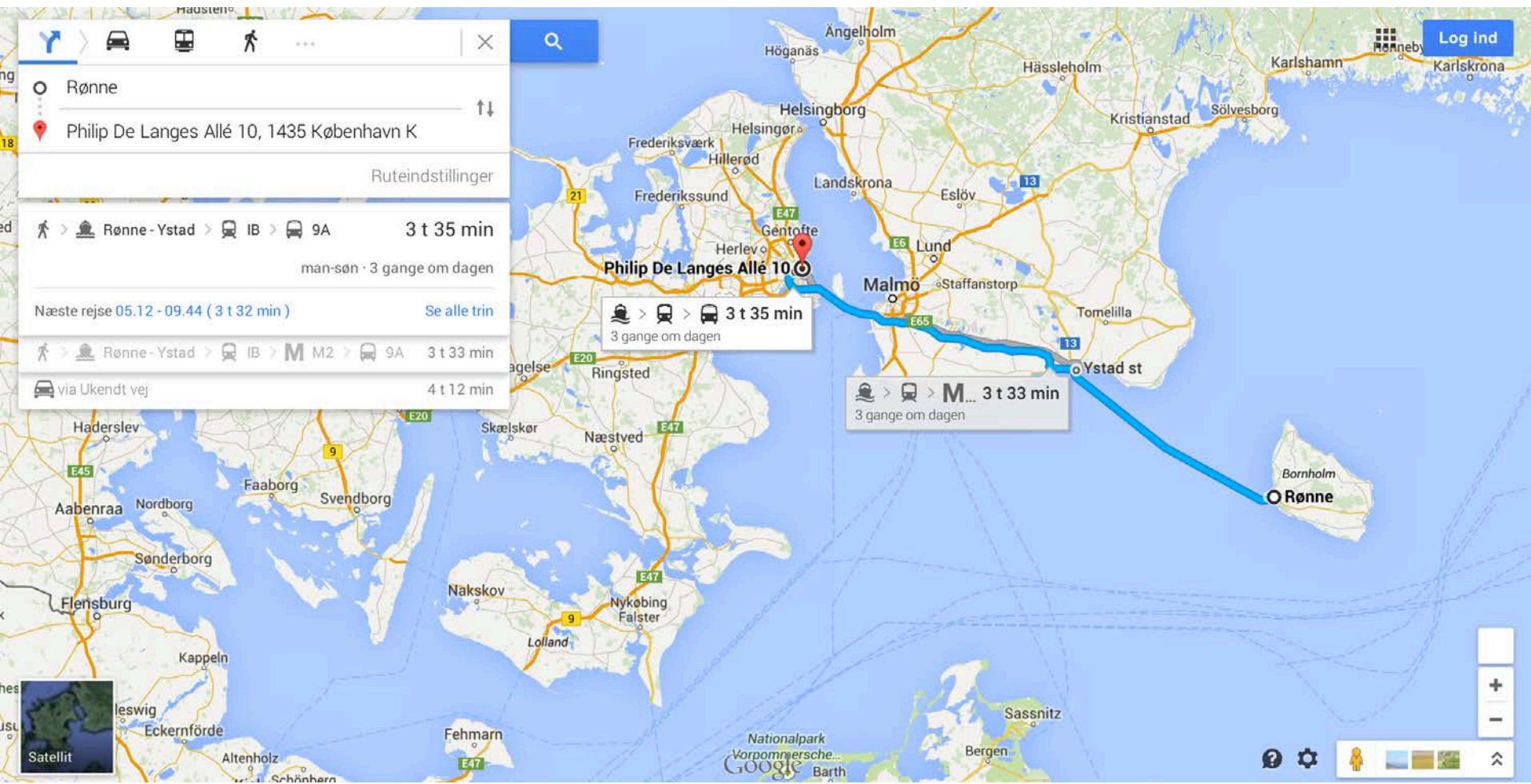








Bornholm is 3 hours by train and ferry from Copenhagen



...or 25 minutes by plane

Bornholm's vision is to become a
100 % green and sustainable island
by 2025



BUSINESS
CENTER
BORNHOLM

This is how we make it happen



B O R N H O L M

ISLANDS AS SUSTAINABLE PLAYGROUNDS



Why?



**BECAUSE
ISLAND
LIVING IS
GREAT!**



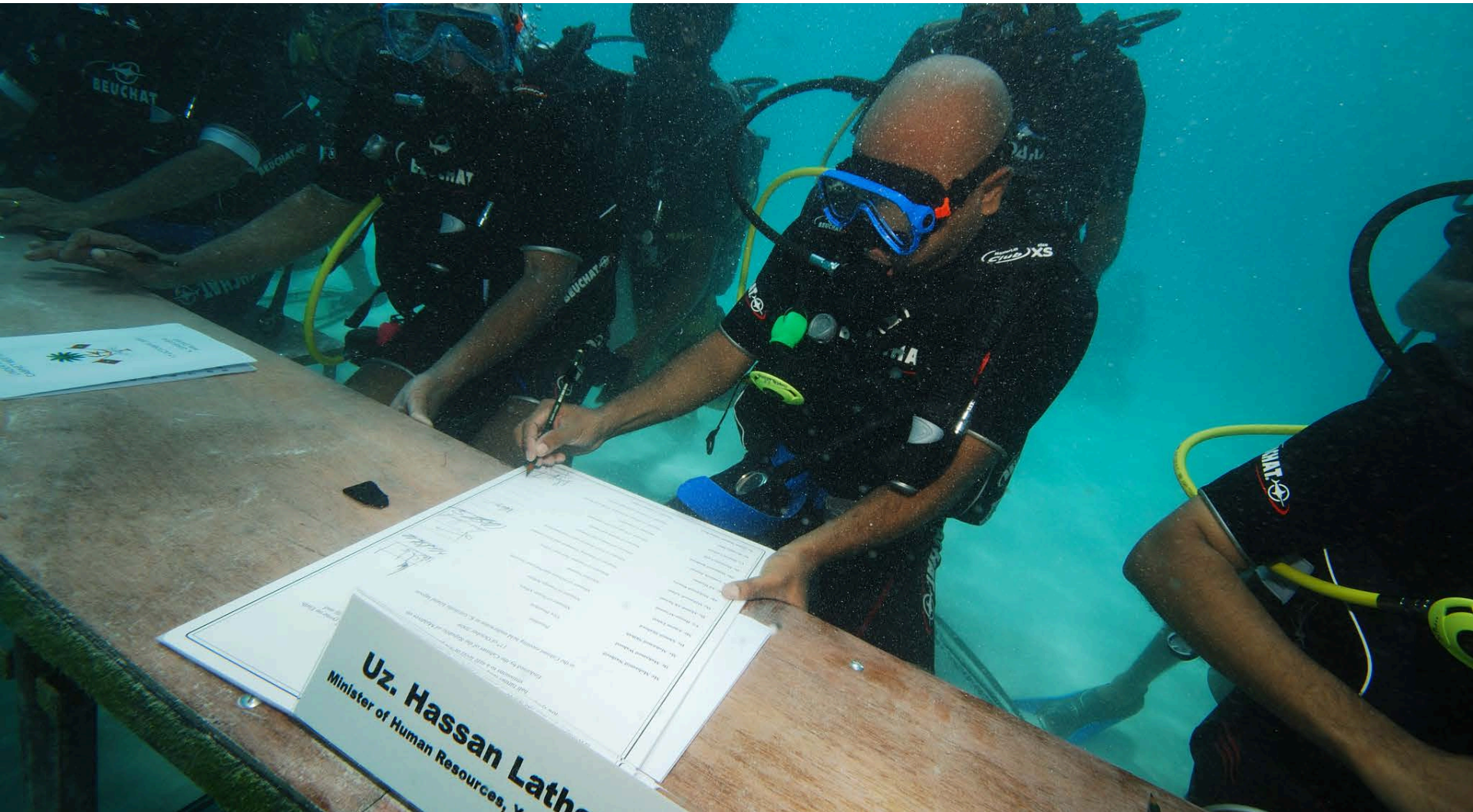
**BECAUSE ISLAND
LIVING IS GREAT!**

Islands also face sustainable challenges...

TO SAVE HIS COUNTRY
HE HAS TO SAVE
OUR PLANET.



Islands also face sustainable challenges...



**...giving room for
innovation.**



Islands can be creative, valuable,
fun sustainable
playgrounds



ISLANDS AS SUSTAINABLE PLAYGROUNDS



**What does a
sustainable
society look like?**

Masdar City



<http://www.masdar.ae>

Masdar City



<http://www.masdar.ae>

Singapore's First Eco-Town



"Punggol will serve as a 'living laboratory' to test new ideas and technologies in sustainable development, integrating urban solutions to create a green living environment."

<http://www.anmc21.org/english/bestpractice/Singapore8.html>

Karamay China – “Energy city of the future”

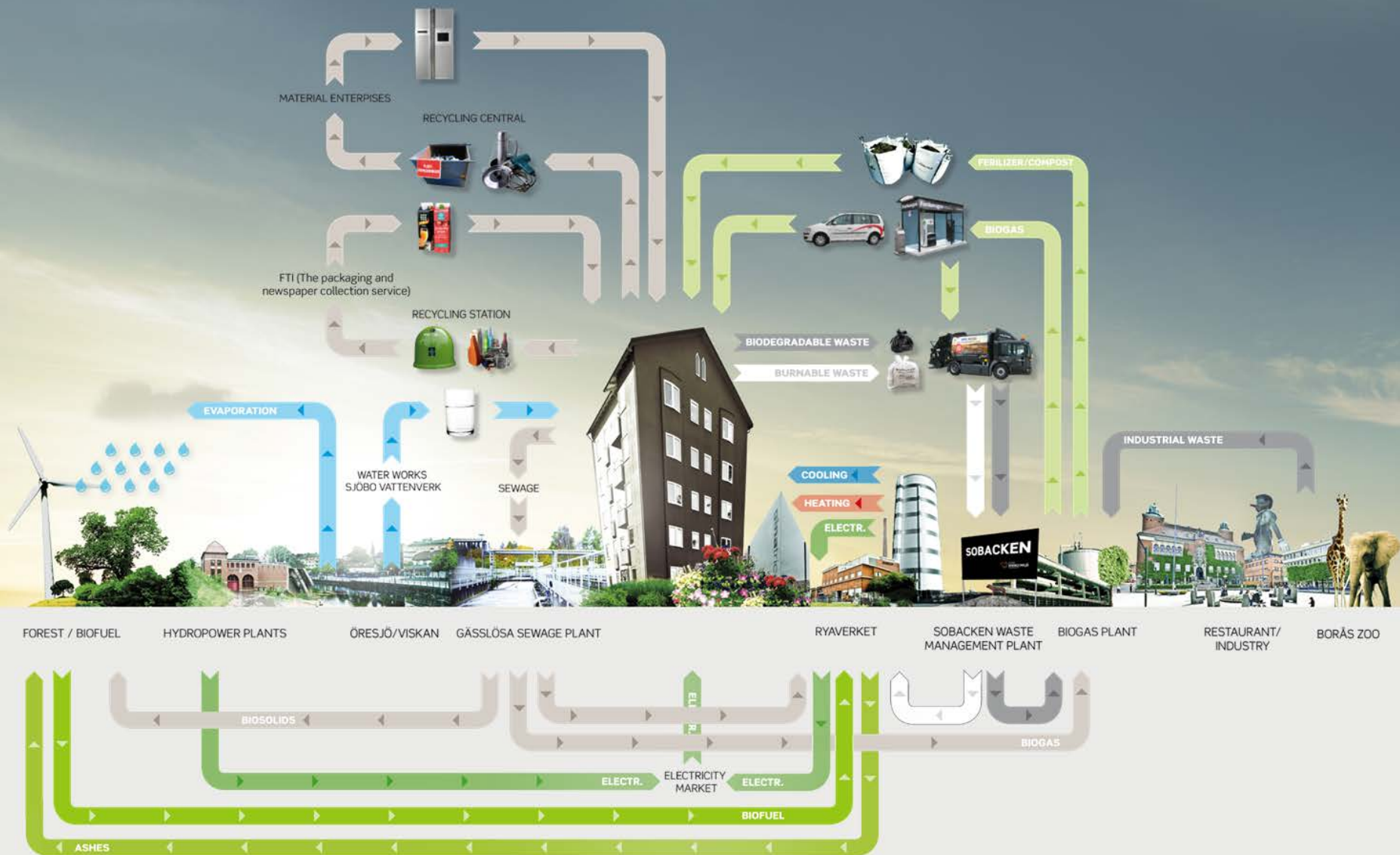


OUR DREAM

A CITY FREE FROM FOSSIL FUELS



BORÅS RECYCLING MODEL





Copenhagen Nordhavn Harbour Sustainable city development



Copenhagen
Carbon Neutral
by 2025

CPH 2025 CLIMATE PLAN

A GREEN, SMART AND
CARBON NEUTRAL CITY

SHORT
VERSION
DRAFT
04.06.12

“Sustainable communities”



<http://www.doorsofperception.com/food-systems-design/the-high-tech-permaculture-metabolic-engine-greenhouse/>



KLIMA-, ENERGI- OG
BYGNINGSMINISTERIET

ENERGY
ACADEMY



SAMSØ

FOSSILFRI Ø

SAMSOE - FOSSIL FREE ISLAND

Islands taking up the challenges

HOME | [What We Do](#) > [Operations](#) > [Smart Island Ec...](#)

[Sign-in](#)

WHAT WE DO

GET INVOLVED

NEWS

EVENTS

WHO WE ARE



Operation:

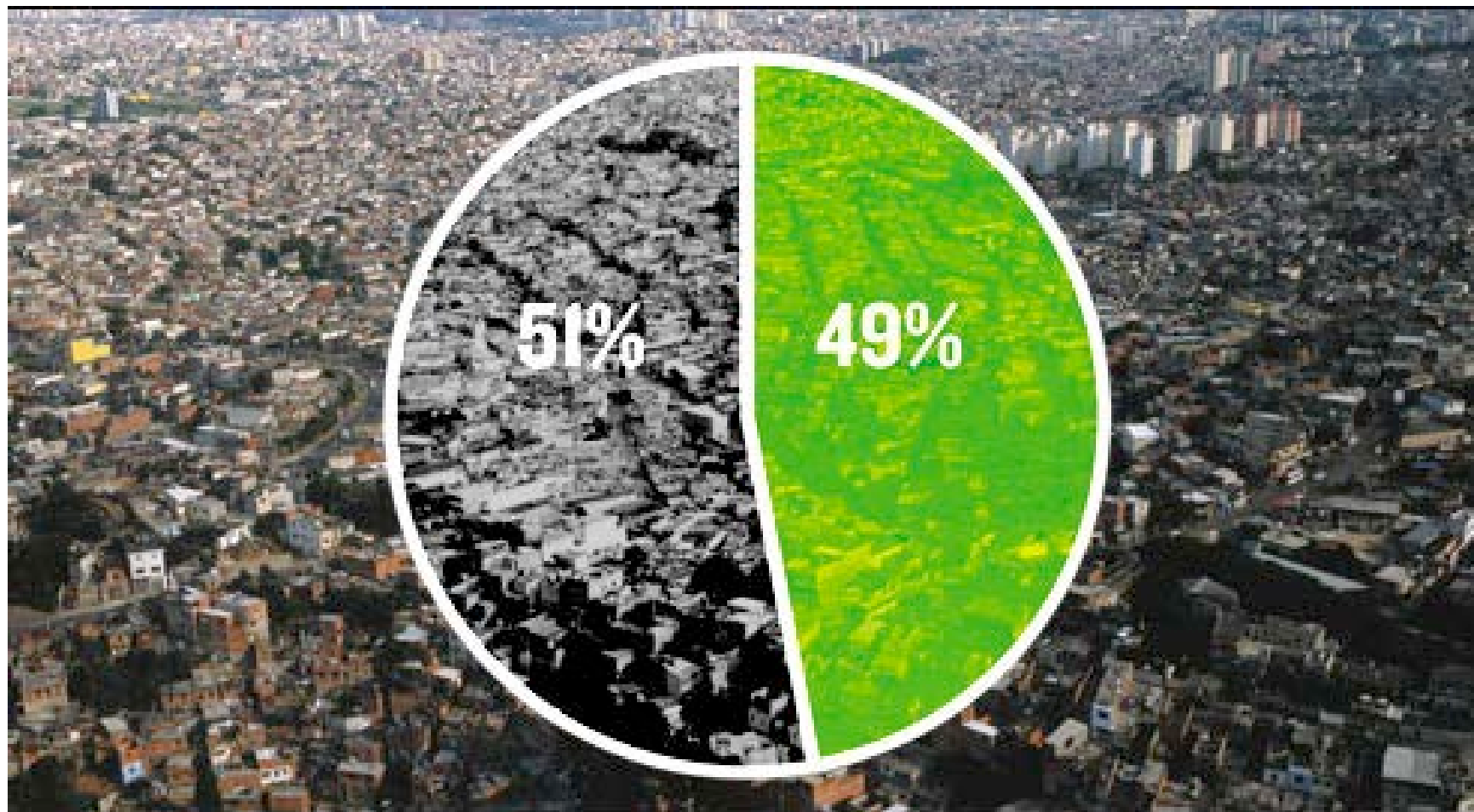
Smart Island Economies

Operation Smart Island Economies aims to transition islands to 100% renewable energy by accelerating commercial investment.

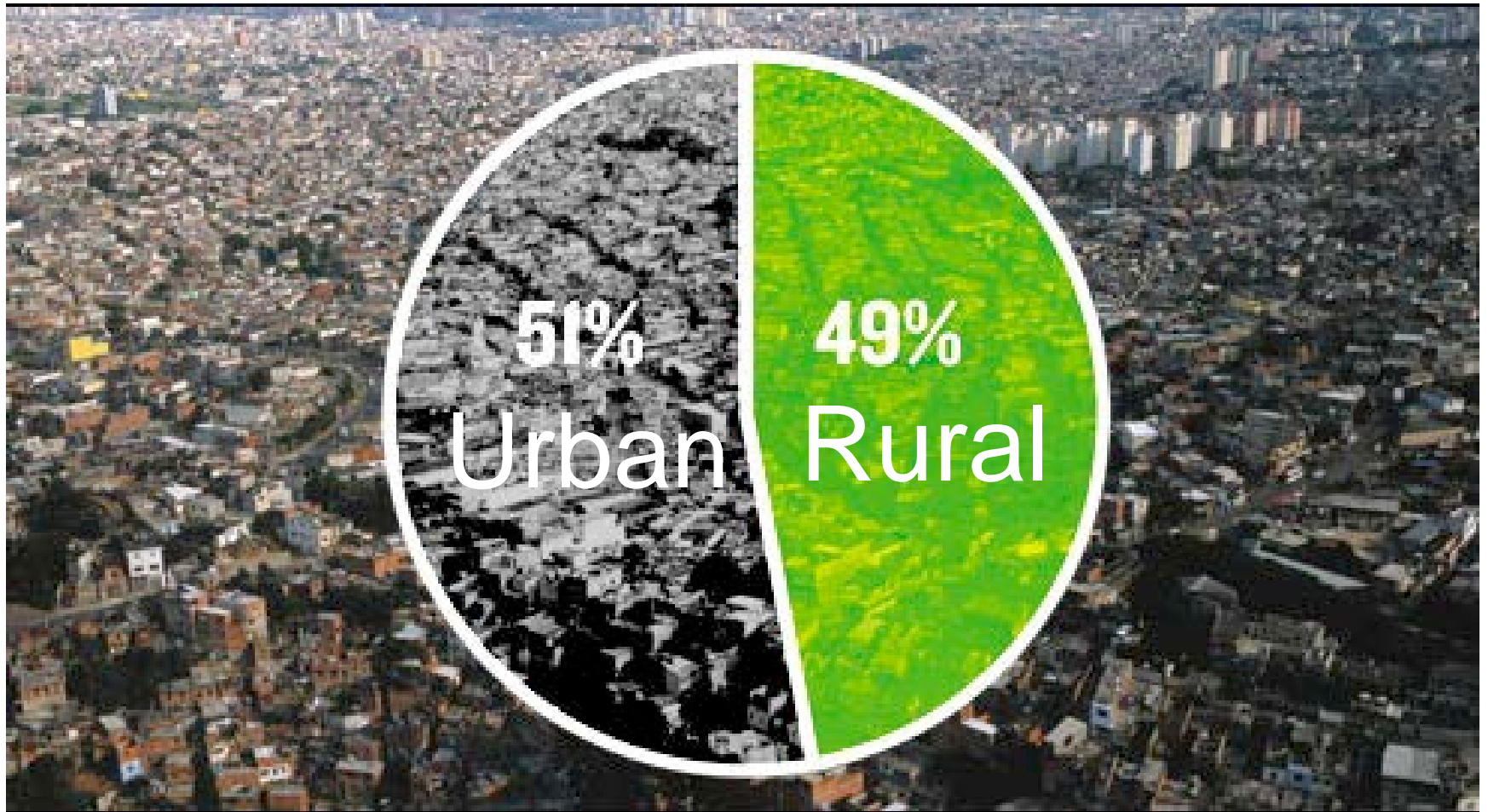
<http://www.carbonwarroom.com/content/smart-island-economies>

ISLANDS AS SUSTAINABLE PLAYGROUNDS

**What are the
numbers
saying?**



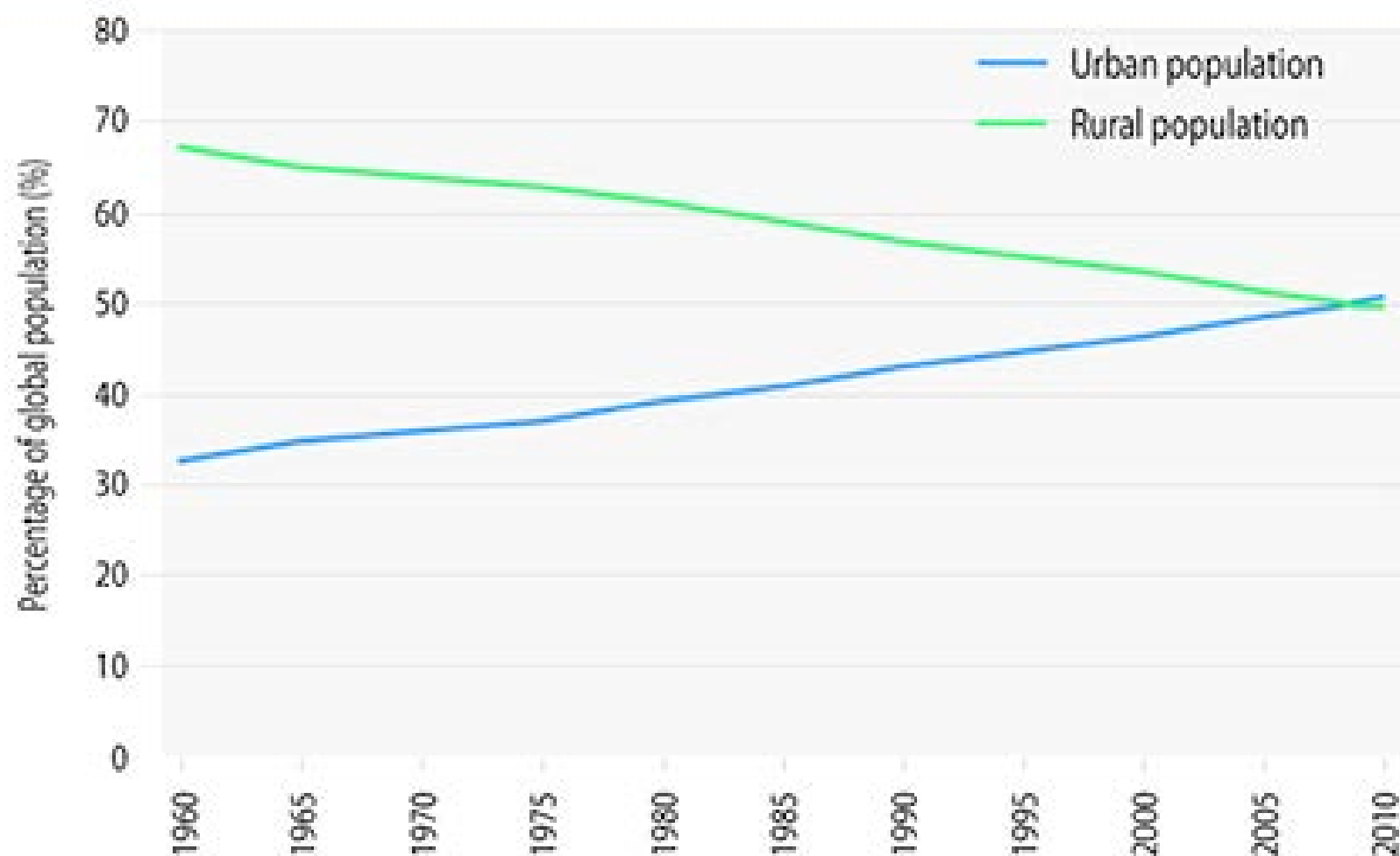
World population





World Health
Organization

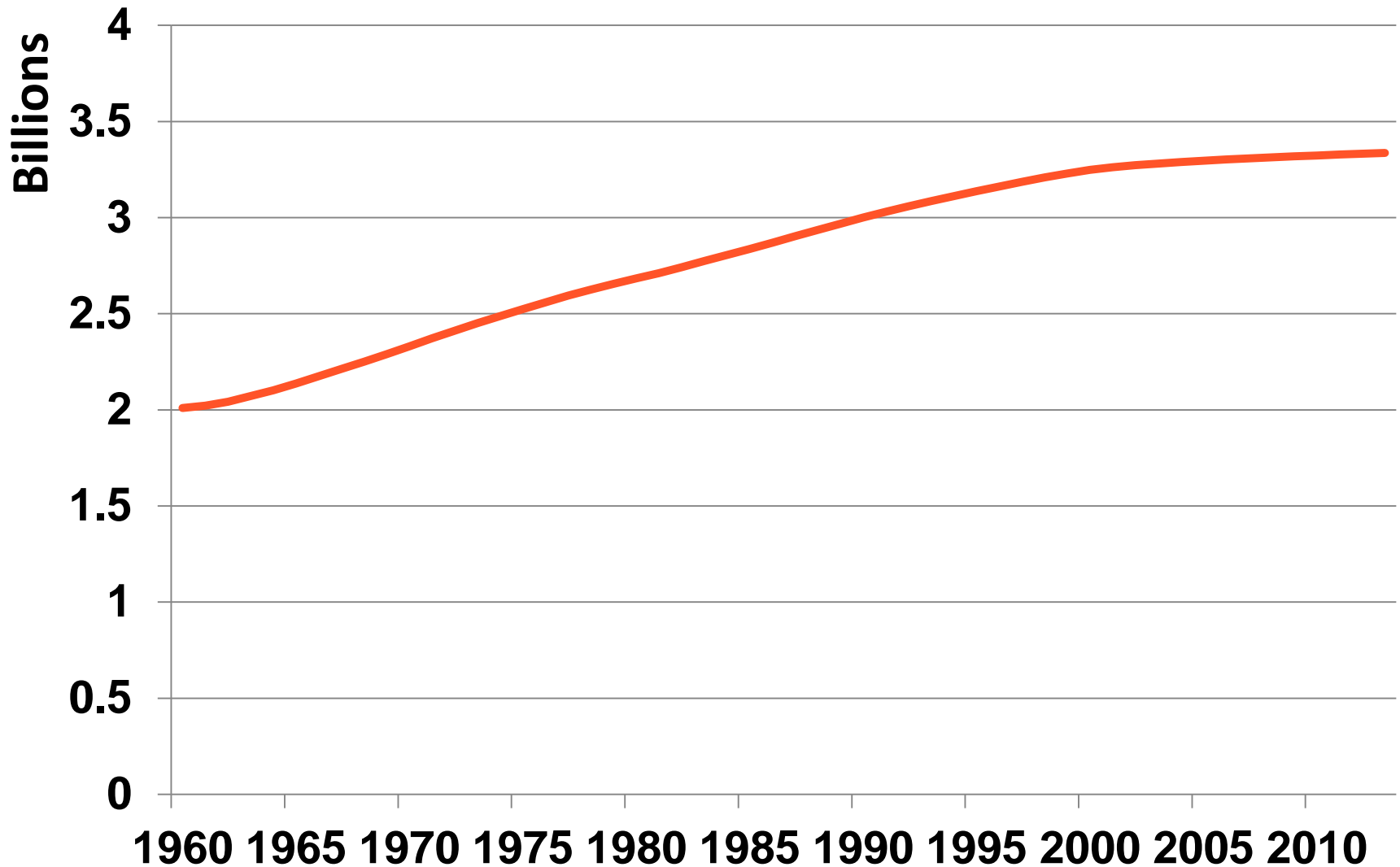
Percentage of total population living in urban areas, 1960-2010



Source: UN Population Division. World Population Prospects the 2008 revision. New York, 2009.

Rural population in absolute
numbers..

Rural population in absolute numbers!



Renewed focus on the country-side

Rem Koolhaas in the country

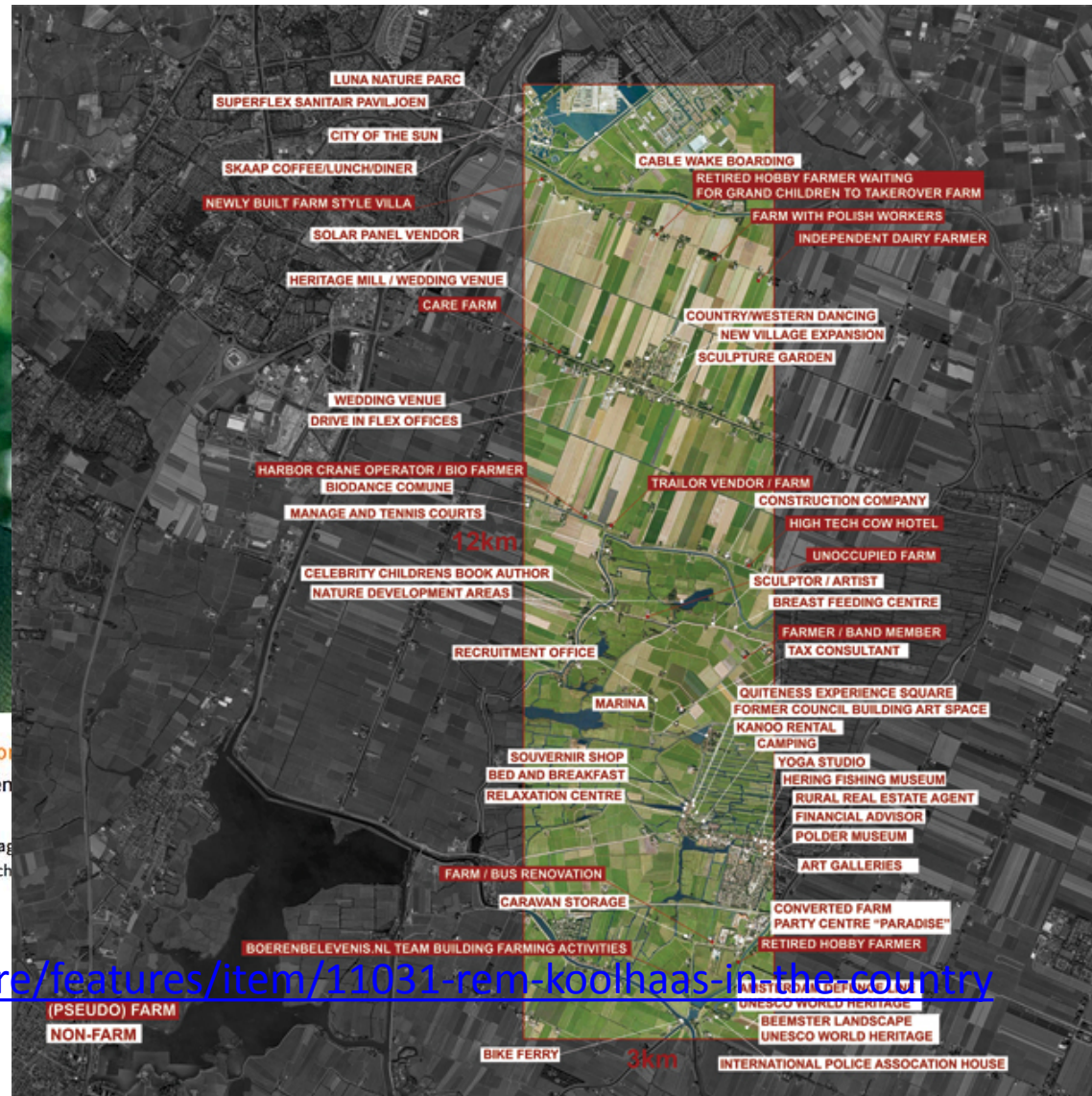
FEATURES 23.09.14



Rem Koolhaas thinks that too little attention is paid to the countryside, where change is happening at a faster rate than in most cities. In this illustrated essay, the OMA founder argues that architects need to take stock of a new agricultural revolution

Work
Ren
Imag
Tech

<http://www.iconeye.com/architecture/features/item/11031-rem-koolhaas-in-the-country>



ISLANDS AS SUSTAINABLE PLAYGROUNDS



**Are big
cities more
sustainable?**

THE SUPER- ORGANISM

The Beauty, Elegance, and Strangeness of Insect Societies



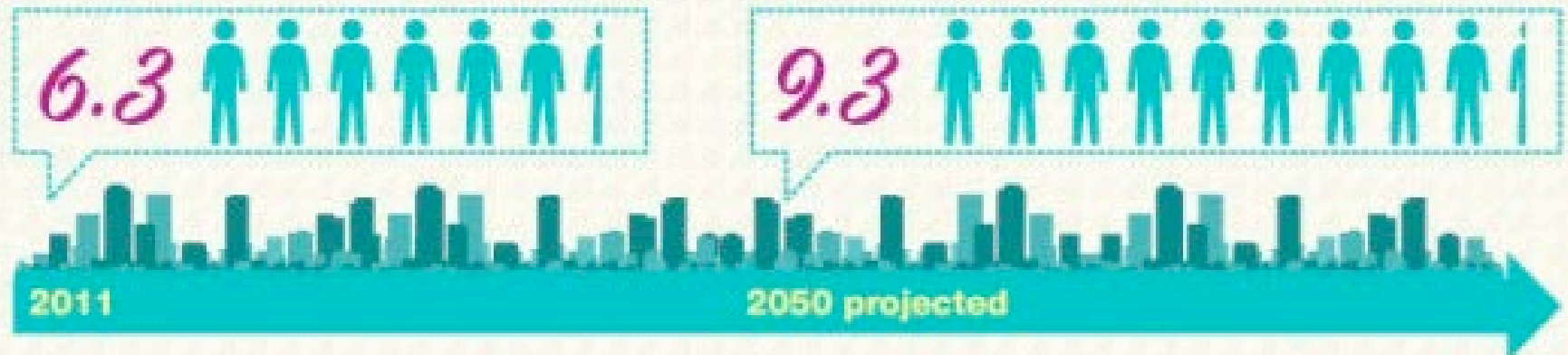
Bert Hölldobler AND E. O. Wilson

WINNERS OF THE PULITZER PRIZE FOR *THE ANTS*

CITY POPULATIONS ARE SET TO EXPLODE

According to the United Nations (2013), the global urban population will climb drastically over the next decades

People living in cities (in billions)



How can urban sustainability save the day?

As cities become denser, they could become more efficient

FOR EVERY DOUBLING OF
POPULATION DENSITY,



RESOURCE USE AND
EMISSIONS FALL BY



"TO BE CIVILIZED IS TO BE URBAN"
civilization, in this strict sense, is 'the art of living in towns...' - Sp



Human superorganism?



Will the resource efficient city make it's people more sustainable?

LEARN MORE ABOUT HUDSON YARDS AND
NEW YORK CITY'S FIRST NEIMAN MARCUS

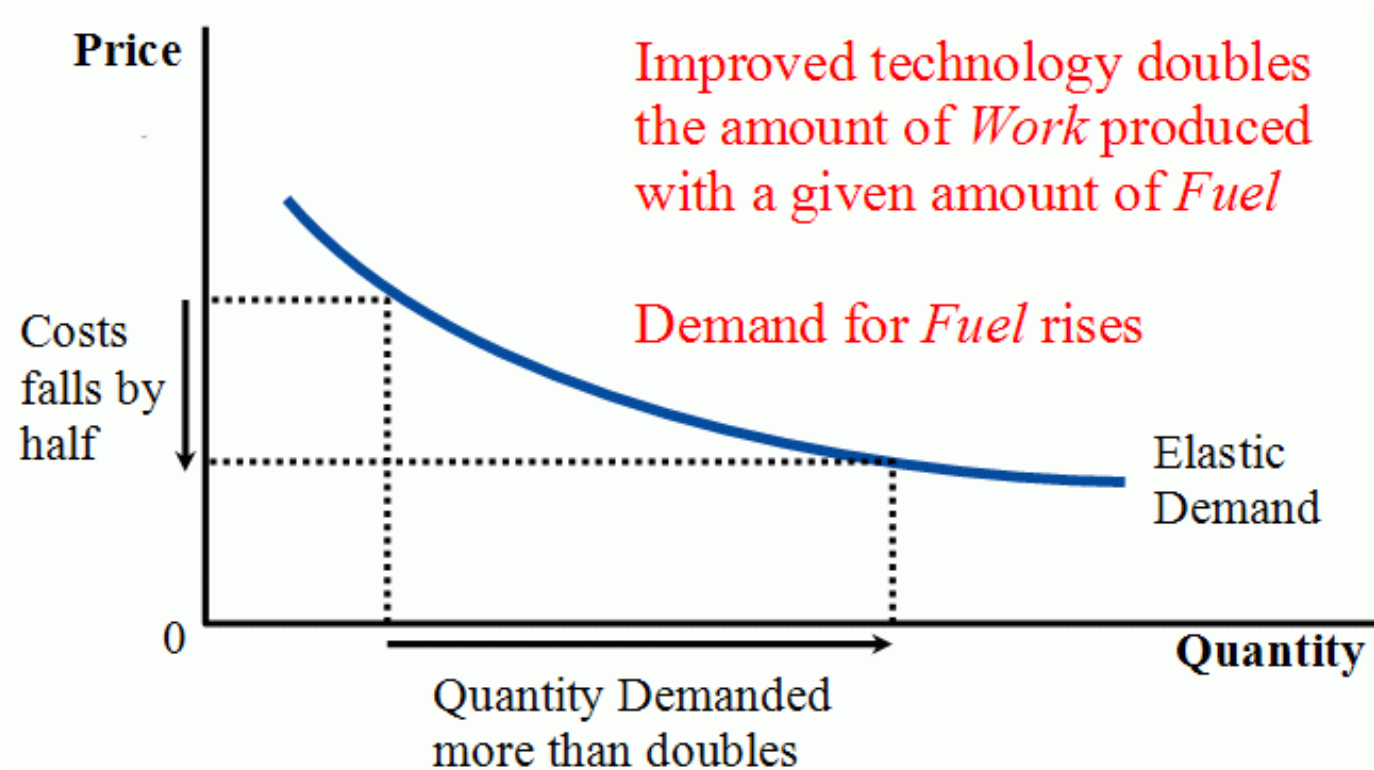


HUDSON
YARDS

Will the resource efficient city make it's people more sustainable?

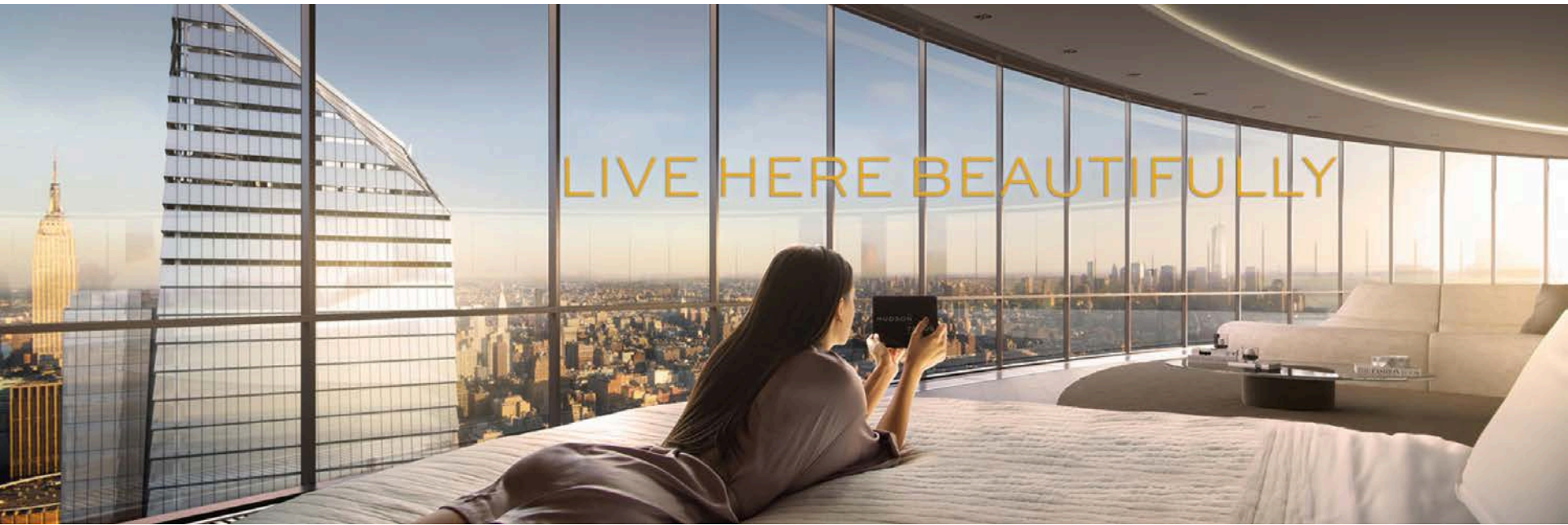


Look out for the rebound effect..



Jevon's paradox

Will the resource efficient city
make it's people more happy?



ISLANDS AS SUSTAINABLE PLAYGROUNDS



**How can islands
offer sustainable
playgrounds?**

BRIGHT GREEN ISLAND

...a sustainable society





REAL WORLD EXPERIMENTS



1:26 / 2:01

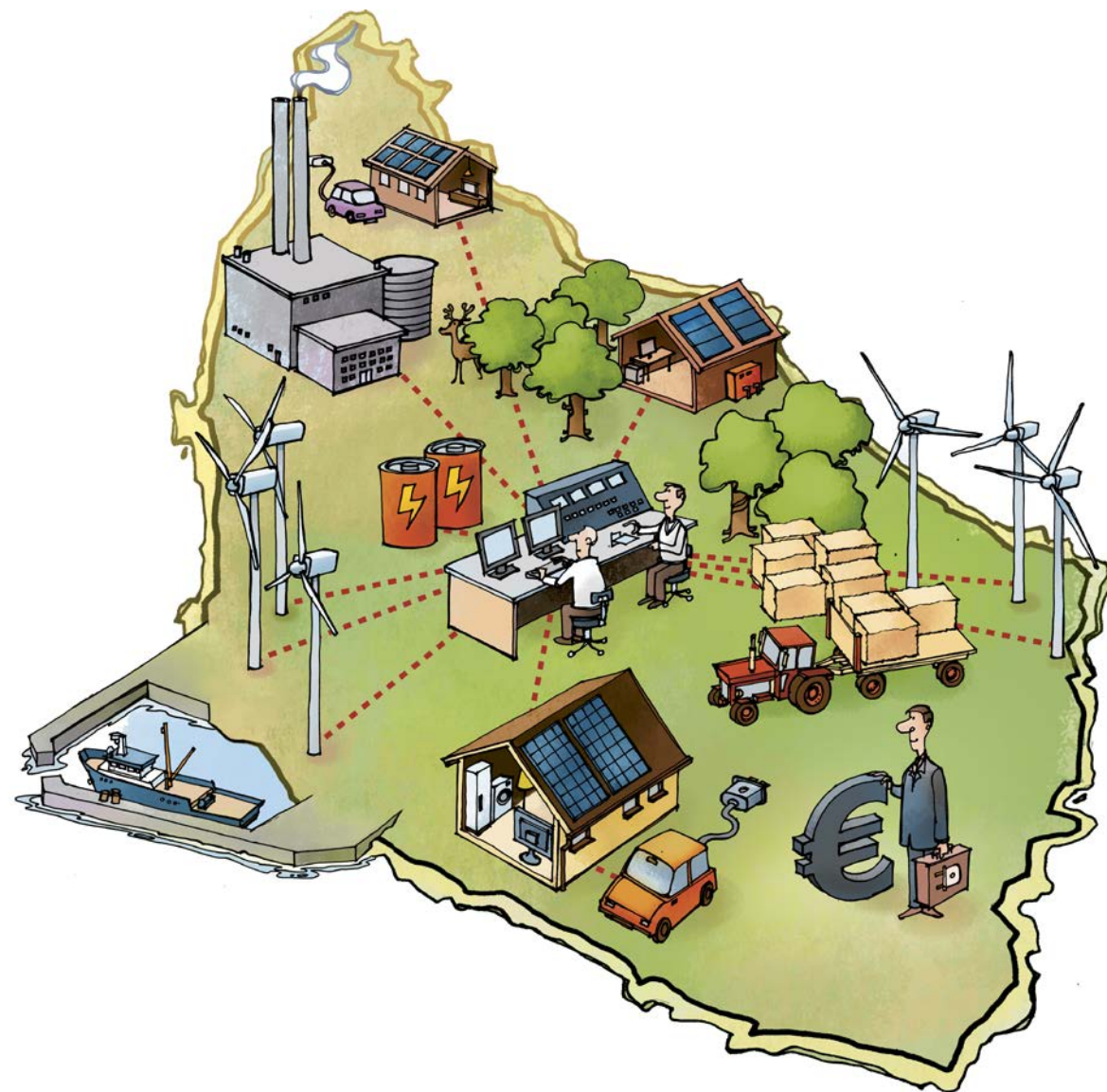


HD



BRIGHT GREEN ISLAND - COME JOIN US

Islands as living laboratories



EcoGrid EU
A Prototype for European
Smart Grids

EcoGrid^{eu}
www.eu-ecogrid.net



the whole world can do
it.



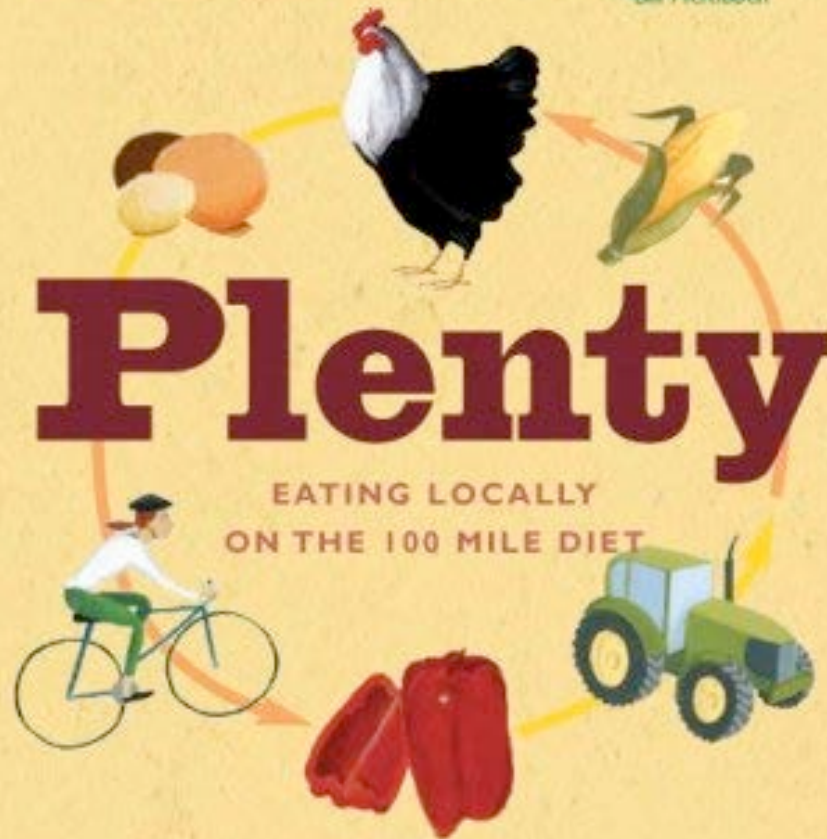
Bornholm EV Rally 2013

Testing the potentials of local food systems



"A funny, warm, and seductive account of how we might live better—better for this earth, better for the community, better for our bellies!"

—Bill McKibben



ALISA SMITH & J.B. MACKINNON



Vinschgau Valley – referendum banning pesticides september 2014



Vinschgau Valley – referendum banning pesticides september 2014



National record in # of “green constructors”

GROENTBYGGERI.DK



Send som mail

Print

Del



GRATIS ENERGIVEJLEDNING | ENERGIRIGTIG RENOVERING – SÅDAN GØR DU | SÅDAN GJORDE ANDRE | PRESSE |

BLIV GRØN HÅNDVÆRKER

BLIV ENERGIVEJLEDER | KLYNGEN | INSPIRATION | GREEN SOLUTION HOUSE |

- ▶ Grøn håndværker – 4 uger
- ▶ Bliv energivejleder
- ▶ Den grønne liste
- ▶ Danmarksrekorden

FÅ DEL I DEN **GRØNNE VÆKST** – BLIV GRØN HÅNDVÆRKER



Grøn Håndværker-uddannelsen er en god forretning. For fremtiden inden for bygge- og anlægsbranchen er grøn. Vi skal spare på energien i vores huse. Det er kravet til fremtiden. Det betyder energirenovering af bestående

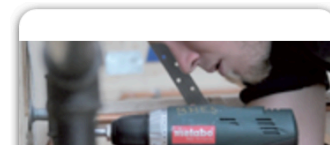
Ring mig op

Jeg vil gerne ringes op vedrørende Grøn Håndværker-uddannelsen.

Skriv nummer

RING MIG OP

<http://groentbyggeri.dk>



Green Solution House



<http://www.greensolutionhouse.dk>

Green showroom

Det
Grønne
Pakhus

At bygge bæredygtigt er der fremtid i.
For dig og din familie. For din økonomi
og din sundhed. For klimaet og for naturen.

Ligesom gourmet-kokken vælger råvarer
med omhu, inviterer vi dig til at gå på
opdagelse og finde de perfekte byggeklodser
til dit hus. Velkommen til en verden af
bæredygtige materialer.

V
A
R
M
E

L
U
F
T

L
Y
S

J
O
R
D

Place and space matters.



Copenhagen Suborbitals

Dansk raketforsøg endte i snu

Af Nynne Hein Møller

Søndag den 12. august 2012, 10:46



<http://copsub.com>

Søndag den 12. august sendte raketentusiasterne Copenhagen Suborbitals rumkapslen LES til vejrs ved Nexø på Bornholm.

The Crazy DIY Spaceflight Project That Just Might Work

BY DAVEMOSHER 06.14.12 | 6:30 AM | PERMALINK

 Share 0  Tweet 0  +1 95  Share  Pin it



HEAT 1X Tycho Brahe lifts off on June 3, 2011. Photo: Thomas Pedersen

<http://www.wired.com/2012/06/copenhagen-suborbitals-profile/all/>



Little Smart Things

Drones That Make Sense



**ALMOST
READY FOR
TAKE OFF**

Want to know more?

New website will launch soon. Meanwhile contact us at
sales@littlesmartthings.com or for further information visit
our old site.

<http://www.littlesmartthings.com>



Little Smart Things

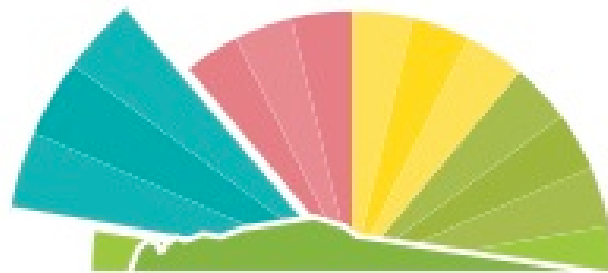


<http://www.littlesmartthings.com>

Little Smart Things



<http://www.littlesmartthings.com>



BRIGHT GREEN ISLAND INNOVATION

BÆREDYGTIG FORRETNINGSUDVIKLING

Innovationsprogram for bornholmske virksomheder 2013-2014

FORNYELSESFONDEN
GRØN OMSTILLING OG ERHVERVSMÆSSIG FORNYELSE

co-creative

VIA 
UNIVERSITY COLLEGE

DEN EUROPÆISKE UNION

Den Europæiske Fond
for Regionaludvikling



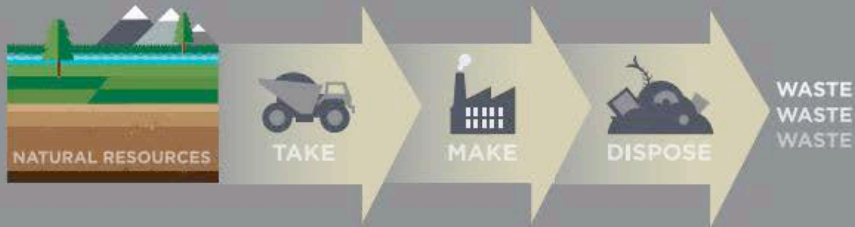
GROENTBYGGERI.DK



 **Campus
Bornholm**

Vi investerer i din fremtid

LINEAR ECONOMY



TECHNICAL & BIOLOGICAL MATERIALS MIXED UP

ENERGY FROM FINITE SOURCES

ADAPTED WITH PERMISSION FROM MIRA MAGAZINE

CIRCULAR ECONOMY



ENERGY FROM RENEWABLE SOURCES

PRINCIPLES OF A CIRCULAR ECONOMY

WASTE = FOOD
DIVERSITY = STRENGTH
ENERGY → RENEWABLES
PRICE = REAL COST

BIOLOGICAL MATERIAL
SAFELY ENRICHES
NATURAL SYSTEMS...



TECHNICAL MATERIALS DO NOT
COMPOST, THE PRODUCTS ARE
MADE TO BE MADE AGAIN...



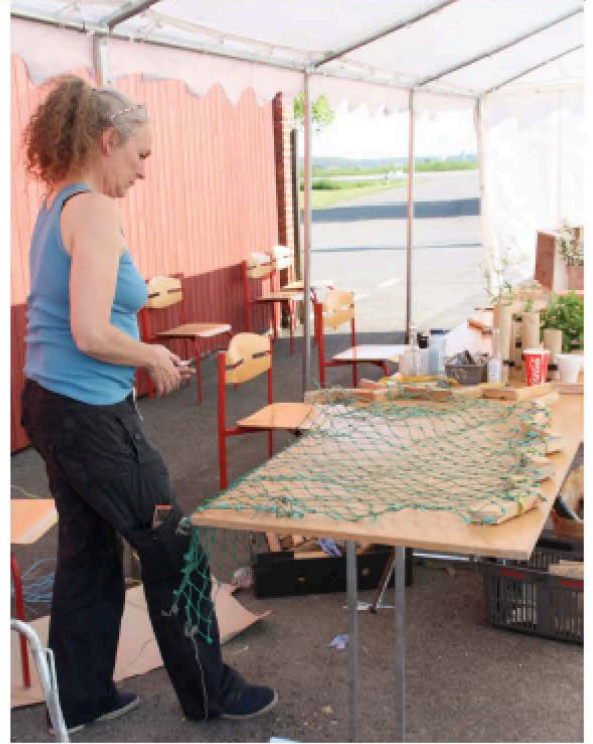


RE|DESIGN CAMP2014





RE|DESIGN
CAMP2014





RE|DESIGN CAMP2014



RE|DESIGN CAMP2014



Discarded fishing nets – how to reuse or upcycle?



Backpack with reused nylon from fishing nets



KLÄTTERMUSEN

MAXIMUM SAFETY FOR YOU, MINIMUM IMPACT ON NATURE 

PRODUCTS

WOMEN

MEN

└ JACKETS

└ TROUSERS

└ ECO MOTION

ACCESSORIES

BACKPACKS

SIZE CHART

ENVIRONMENTAL
WORK

FUNCTION & MATERIAL

ABOUT US

PRESS

CONTACT

RETAILERS



UNISEX

The 35-litre Gnå backpack combines Klättermusen's love of technical detailing with convincing durability and sustainability. Gnå is made from 100% recycled nylon weave with a TPU coating and Kevlar reinforcement. Thanks to the shoulder straps and their Butterfly Bridge™ construction, as well as the ergonomic hip belt, you carry the weight on your bones and



FEATURES & FACTS

- Light, torsion-rigid back.
- Large opening with two-way zip and double storm flap.
- Shoulder straps with Butterfly Bridge™.
- Back length easily adjusted by moving shoulder straps and/or hip belt.
- Automatic height



Material	Mipan Regen®, 100% Recycled Polyamide 420 Denier Nailhead with TPU-coating and PFOA-free impregnation.
Material-reinforcement	Kevlar®
Colours	Citronelle, Dark green, Ebony
Weight medium	1,60 kg
Water column after 10 washes	23m+
Sizes	35 litre



POINTS - 5/6 (83%)

- PFOA-free DWR.
- More than 70% recycled material.
- Recyclable in standard recycling systems.
- Long life



REFUND VALUE - € 10



Mjölner



Arvaker



Röskva



Gnå



Allsvinn



Baggi



If you would like to buy this product, please contact one of our retailers or send us an e-mail (shipping within EU only). Price: 291 € (incl. 25% VAT.)

Business Area

[Power & Industrial Systems](#)[Industrial Materials](#)

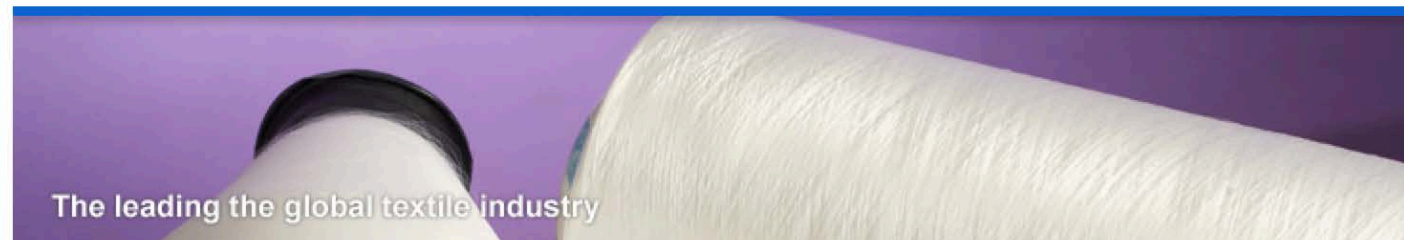
Textile

- Spandex PU
- [Nylon·Polyester Fiber PU](#)
- Fabric-Dyeing PU

[Chemicals](#)[Construction](#)[Trading](#)[Information & Communication](#)[Other Affiliated Companies](#)

Nylon·Polyester Fiber PU

Hyosung will take you on the road to success with our extensive experience and unparalleled technology.

[PRODUCT INDEX](#)

Polyester Fiber Bussiness Division

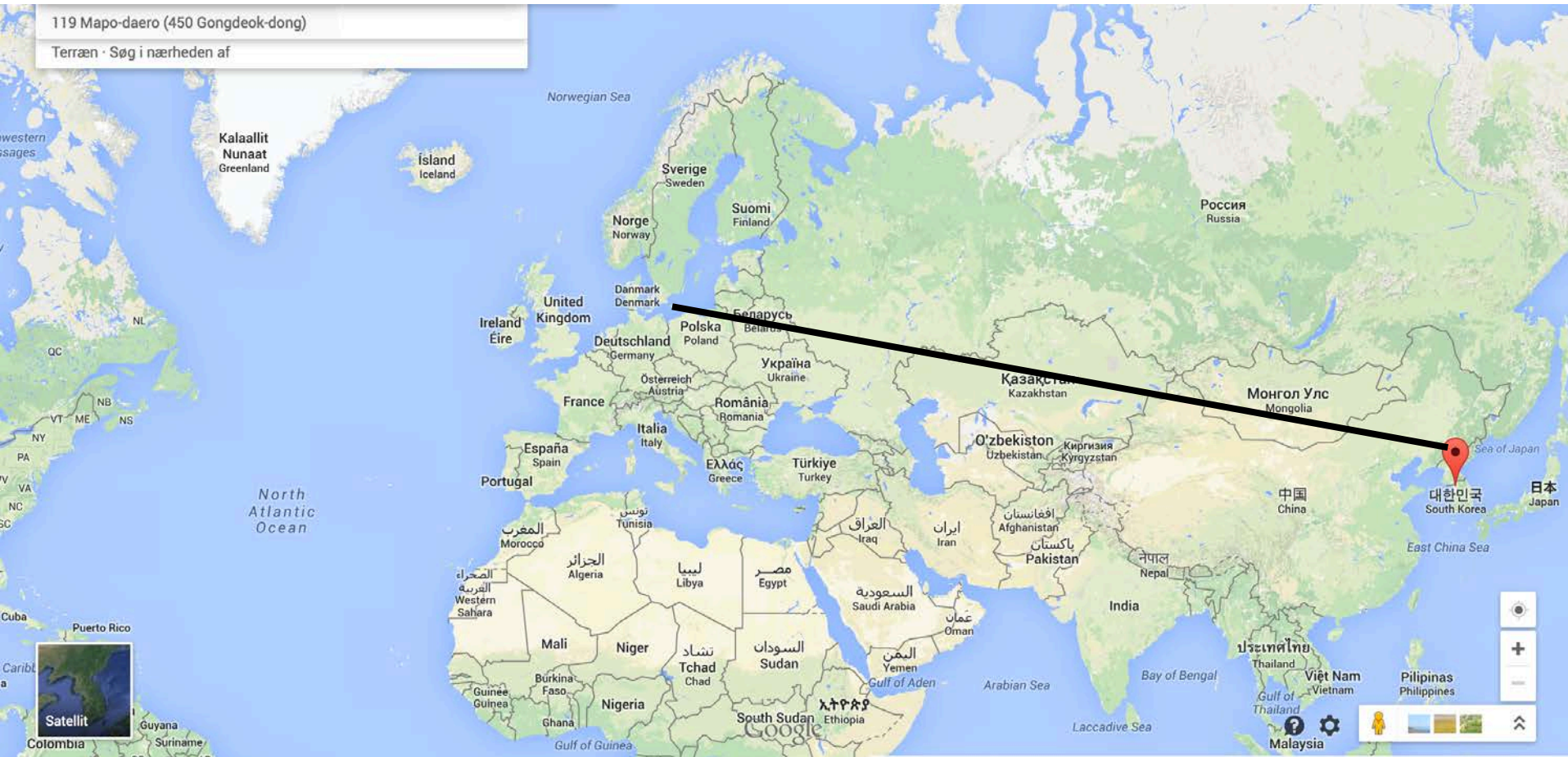
As the leader in the domestic polyester fiber manufacturer, Hyosung produces various and differentiated polyester yarns from regular yarns to high functional specialty yarns in order to create high values for customers.

In particular, Hyosung has successfully developed high technology intensive synthetic yarns including a quick-drying yarn(aerocool), antimicrobial yarn(aerosilver), hollow-core yarn(aerowarm), good color fastness yarn(prizma), flameretardant yarn(firex), elastic polyester yarn(xanadu), micro fiber(m2), and askin, in order to meet customers' needs and create a differentiated product market based on endless research. Hyosung has recently enhanced the development of eco-friendly fibers by launching the first recycled polyester fiber in Korea, regenTM, strengthen its position as an eco-conscious company by obtaining Eco-Mark from the Japan Environment

Nylon Fiber Bussiness Division

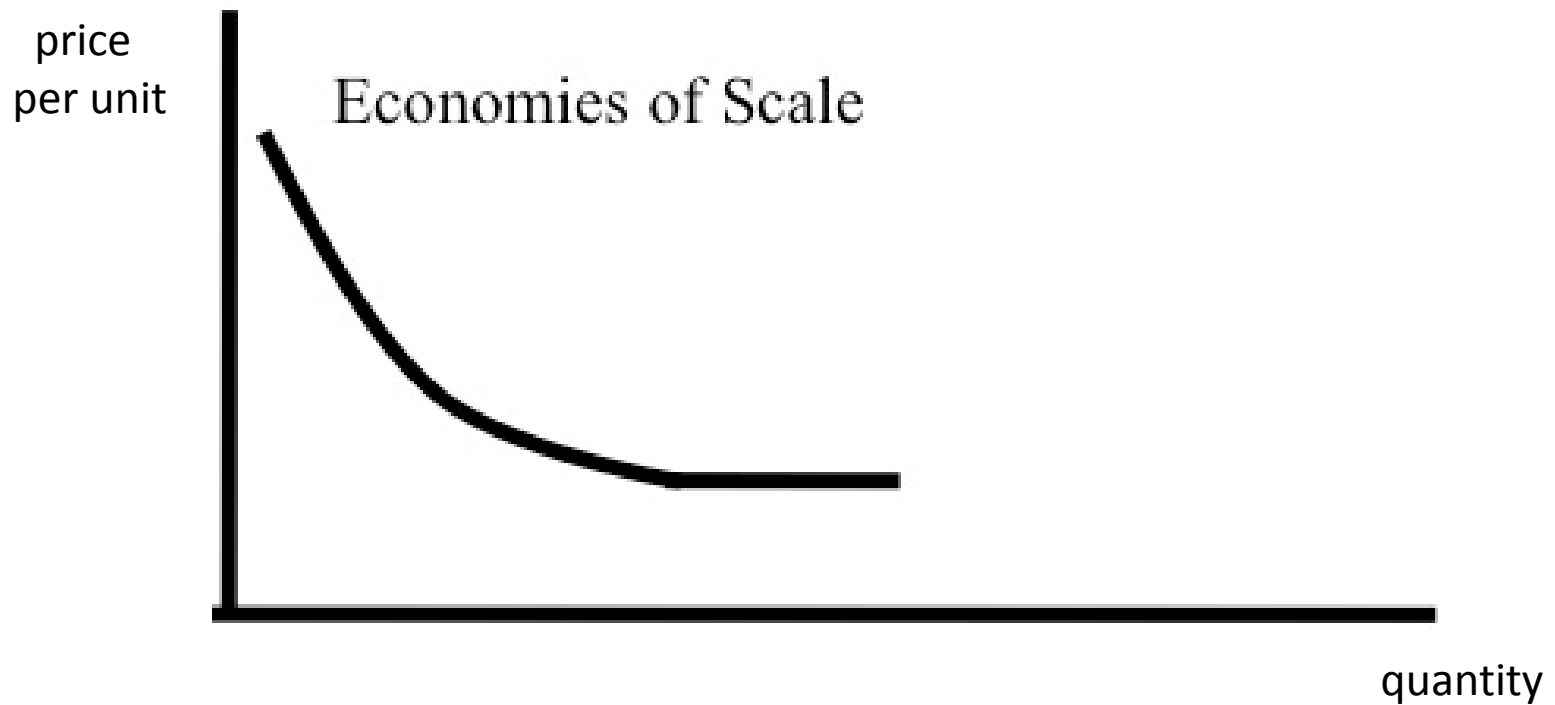
Hyosung is one of the world's best manufacturers of nylon textile filament, is loved by customers around the world for its nylon fibers of outstanding quality and a variety of functions, all based on production know-how accumulated over 40 years. Based on TOPLON(a yarn used for luxury lingerie, sportswear, and industrial materials), Hyosung sells high-functional yarns, including micro fine denier fibers(MIPAN fine & soft), N/P conjugated yarns(MIPAN XF), anti-microbial yarns(MIPAN magicsilver nano), conductive yarns(MIPAN corona), bonding yarns(MIPAN glurex), CD yarns(MIPAN colorist), high tenacity yarns(MIPAN robic), hollow fibers(MIPAN air), aqua-X, and rexy.

Factory in South Korea



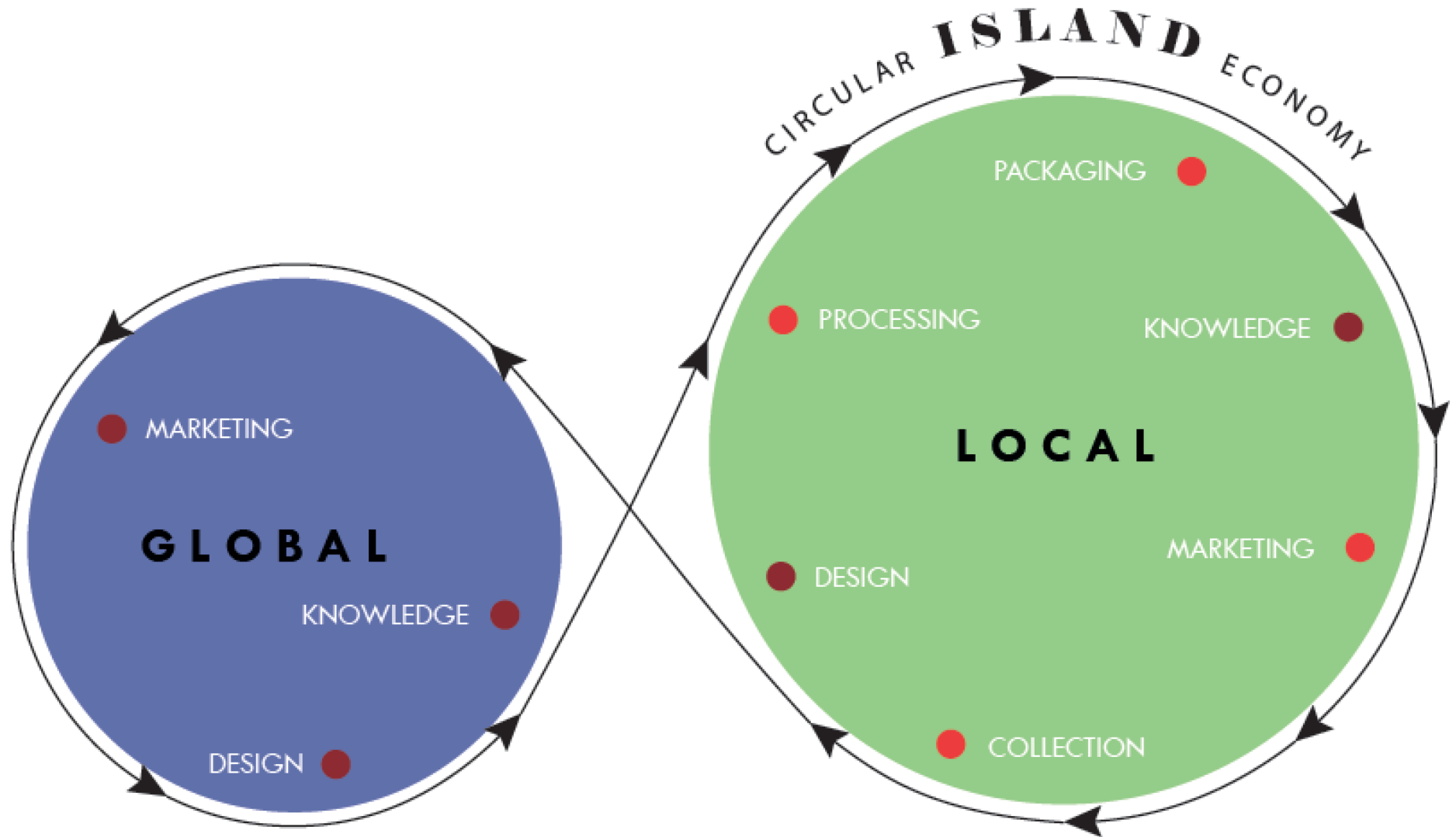
Bornholm – South Korea: 7696 km

Do we need a new model?



Circular ISLAND economy

Promoting local innovation and decentral production





Plastic recycling





<http://www.preciousplastic.com/>

PRECIOUS
PLASTIC

PRECIOUS PLASTIC



<http://www.preciousplastic.com/>

PRECIOUS PLASTIC



<http://www.preciousplastic.com/>



PRECIOUS
PLASTIC

<http://www.preciousplastic.com/>



PRECIOUS PLASTIC



<http://www.preciousplastic.com/>

PRECIOUS PLASTIC



<http://www.preciousplastic.com/>

Big local innovation potential in digital fabrication



< Thingiverse Challenges



MakerBot Thingiverse Birdhouse Challenge

Challenged Closed

Deadline: Jul 17, 2013 12:59 AM EDT

Total Entries: [171](#)

Birdhouse Challenge

Birds need houses, and you, the 3D printing community, can be the ones to help. Enter the Thingiverse Birdhouse Challenge by designing a creative and functional birdhouse to shelter the newly-hatched!

Challenge Winners

the American Craftsman ...
by ErikJDurwoodII

Jul 12, 2013

AMERICAN CRAFTSMAN
HUNGALOW BIRDHOUSE

♥ 587 📄 478 💬 42

Birdhouse Rook, Castle T...
by Valcrow

Jul 11, 2013

BIRD BATH
VENTILATION
LOOKOUT PERCH
RAIN CHANNEL
BIRD FEEDER

no support required
no fasteners required
three parts
four optional parts
easy snap assembly
hang or mount

♥ 186 📄 158 💬 27

Nestled Birdhouse
by Gyrobot

Jul 11, 2013

Nestled → Birdhouse

♥ 200 📄 168 💬 24

Entries

[view all](#) ➔

A FAST AND EASY WAY TO CREATE 3D MODELS

Quickly turn the things in your world into 3D models that you can modify, improve, share, and 3D print.

**BUNDLE
IT!**

Save when you buy
a MakerBot Digitizer
with a 3D printer



A VIDEO FROM BRE

CALLING EARLY ADOPTERS

Intended for experimenters and visionaries
who are ready to blaze a trail into 3d creation



DOWNLOAD
MAKERWARE **2.4.1**


MakerBot Digitizer
DESKTOP 3D SCANNER

1

\$949

\$799

+

MakerCare 

☒ **\$150**

=

Total

\$949

ORDER

+ future potential for local innovation
using digital fabrication



The power of opensource!



Will sustainable island living make people more happy?





Islands
offers a
great space
for

THE CASE FOR WORKING WITH YOUR HANDS

'THE BEST BOOK I HAVE READ FOR AGES'
MATTHEW D'ANCONA, *DAILY TELEGRAPH*

'MASTERLY' *ECONOMIST*

OR WHY OFFICE
WORK IS BAD FOR US
AND FIXING THINGS
FEELS GOOD



MATTHEW CRAWFORD



Higher valuation of self-made products.

H A R V A R D | B U S I N E S S | S C H O O L



The “IKEA Effect”: When Labor Leads to Love

**Michael I. Norton
Daniel Mochon
Dan Ariely**

Sense of coherence

"We are coming to understand health..as the process by which individuals maintain their sense of coherence (i.e. sense that life is comprehensible, manageable, and meaningful)..."



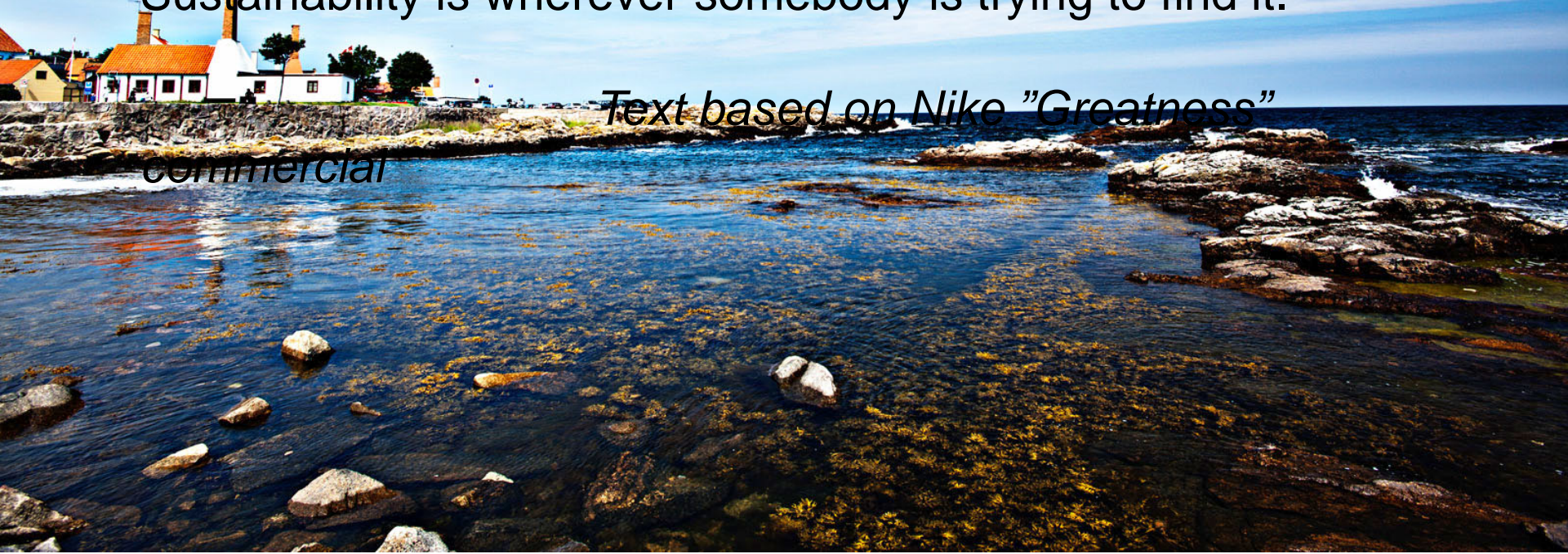
FIND YOUR GREATNESS.



There are no grand celebrations here. No speeches. No bright lights. But there are sustainable people. Somehow we've come to believe that sustainability is reserved for the chosen few, for the supercities. The truth is sustainability is for all of us. This is not about lowering expectations, its about raising them for every last one of us. Because sustainability is not in one special place, and it is not in one special person. Sustainability is wherever somebody is trying to find it.

Text based on Nike "Greatness"

commercial



Thank you.

Follow Bornholm - Bright Green Island at:
www.brightgreenisland.com

Søren Femmer Jensen

+45 30 27 91 11

soren@cocreative.com

<http://cocreative.com>

