



Sustainable Lifestyles 2050

Ideen suffizienten Lebens in der Zukunft

Cheryl Hicks, Team Leader CSCP

Sun21 Suffizienz Network – Basel – 27 November 2013

Über das Collaborating Centre on Sustainable Consumption & Production (CSCP)

Mission, Vision & Mandat



CSCP 2.0 Sustainable Lifestyles, Products & Infrastructure, Entrepreneurship & Business Models

Rio+20: Global Networks on Sustainable Lifestyles, Innovation & Entrepreneurship

Investieren in nachhaltiges Leben

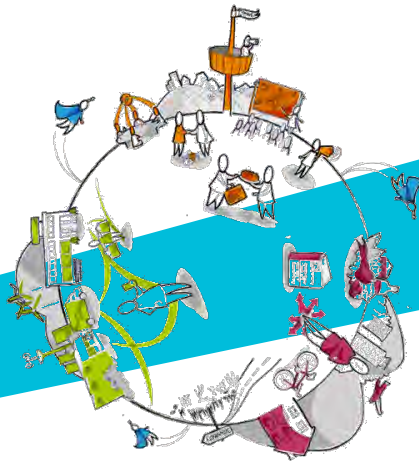


UNEP Marrekech Process on Sustainable Consumption & Production



2012 / 2013

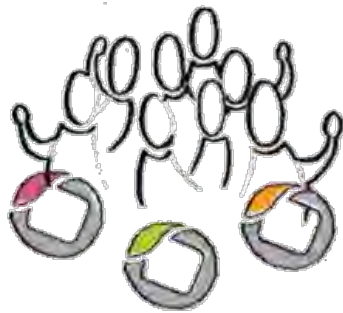
2012



2010 / 2011

CSCP im Überblick

CSCP Schwerpunkte & wie wir arbeiten



SUSTAINABLE LIFESTYLES

Lebensstile



SUSTAINABLE INFRASTRUCTURE
PRODUCTS AND SERVICES

**Produkte &
Infrastruktur**



SUSTAINABLE BUSINESS
AND ENTREPRENEURSHIP

**Geschäftsmodelle
& Innovationen**

Action Research & Experimente

Entwicklung von Fähigkeiten und Training

Networking & Match-Making

CSCP 's globales Netzwerk

Für Kooperation und Dialog über nachhaltigen Konsum und Produktion

regional
& lokal



Europa
& national



international



Scenarios for Sustainable Lifestyles

2050:

From Global Champions to Local Loops



2015

2020

2030

2040

2050



EUROPEAN COMMISSION
European Research Area



EUROPEAN RESEARCH AREA
HORIZON EUROPE



Sustainable Lifestyles 2050

Funded under Socio-economic Sciences & Humanities

www.sustainable-lifestyles.eu

Ziele

- Nachhaltigkeit in Optionen für tägliche Lebensstilentscheidungen übersetzen
- Erarbeitung einer Vision und möglicher Zukunftsszenarien für nachhaltige Lebensstile
- Ideen und Impulse für Wissenschaft, Wirtschaft, Zivilgesellschaft und Politik entwickeln

Ratgeber



Multistakeholder-Plattform

Veranstaltungen

Online Diskussionplattform

Grundlagenbericht

Arbeit mit Haushalten

Strategischer Maßnahmenkatalog

Online Community Plattform



Moving



Living



Consuming



Society



Entrepreneurship



Visualisation



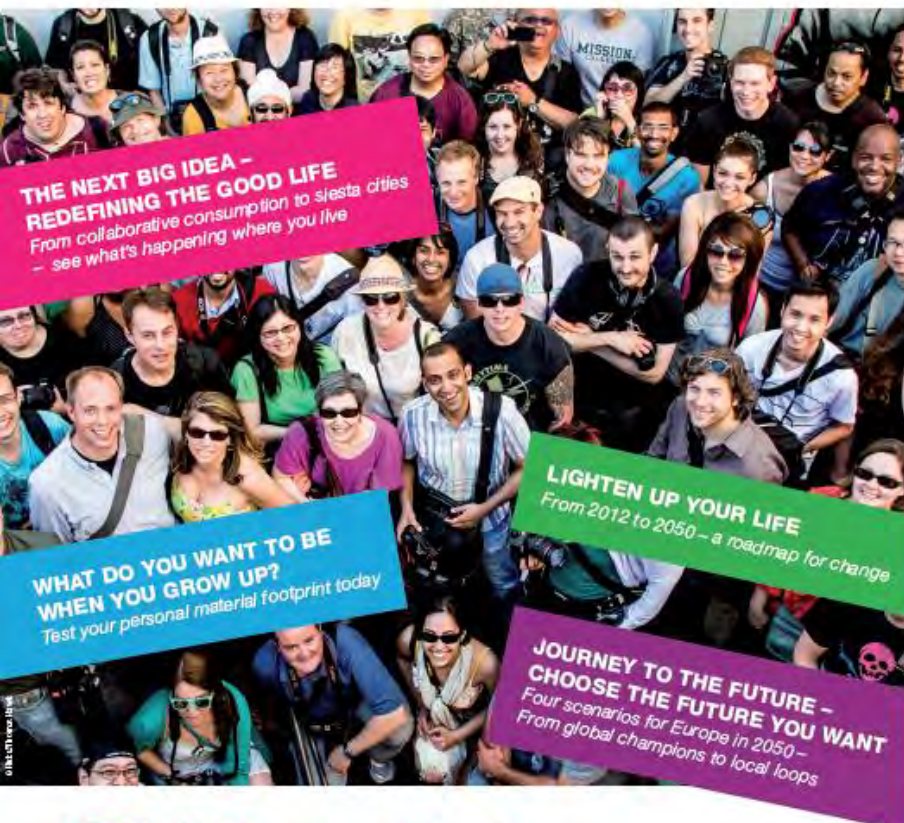
Policy



Das gute Leben neu entwerfen – Nachhaltig Leben

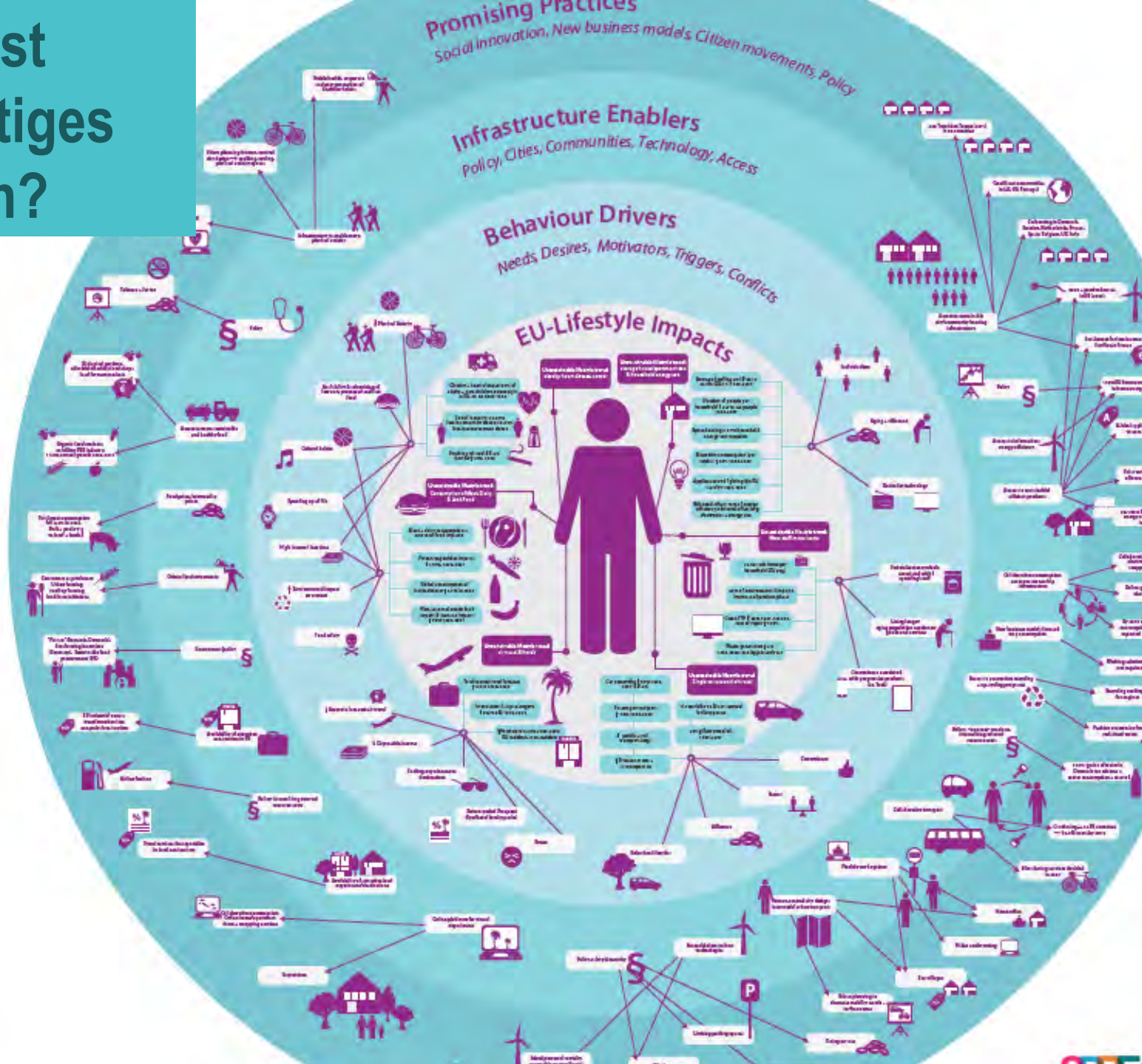
EUROPEAN LIFESTYLES

The Future Issue

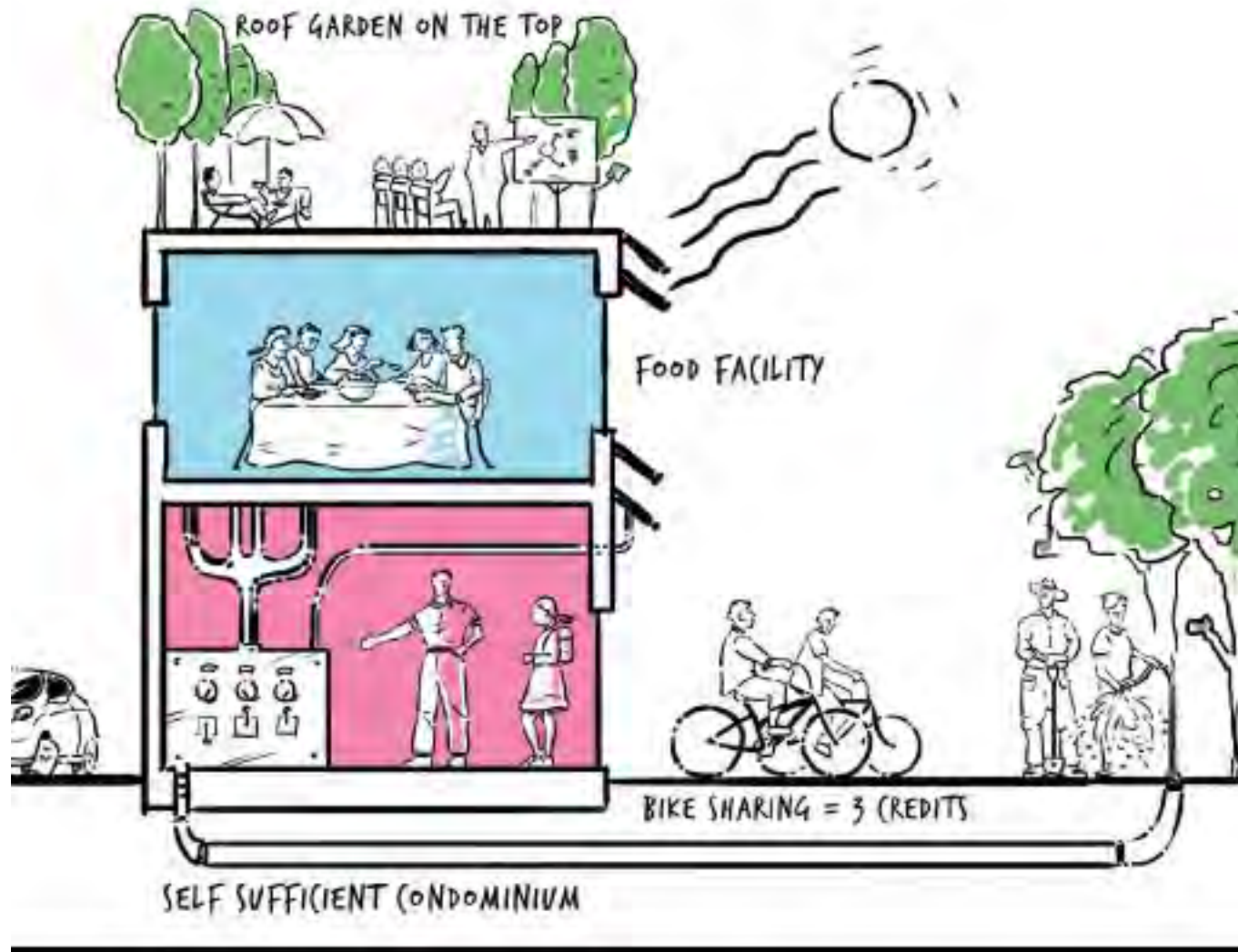


Unnachhaltige Muster durchbrechen – for the Future we want!

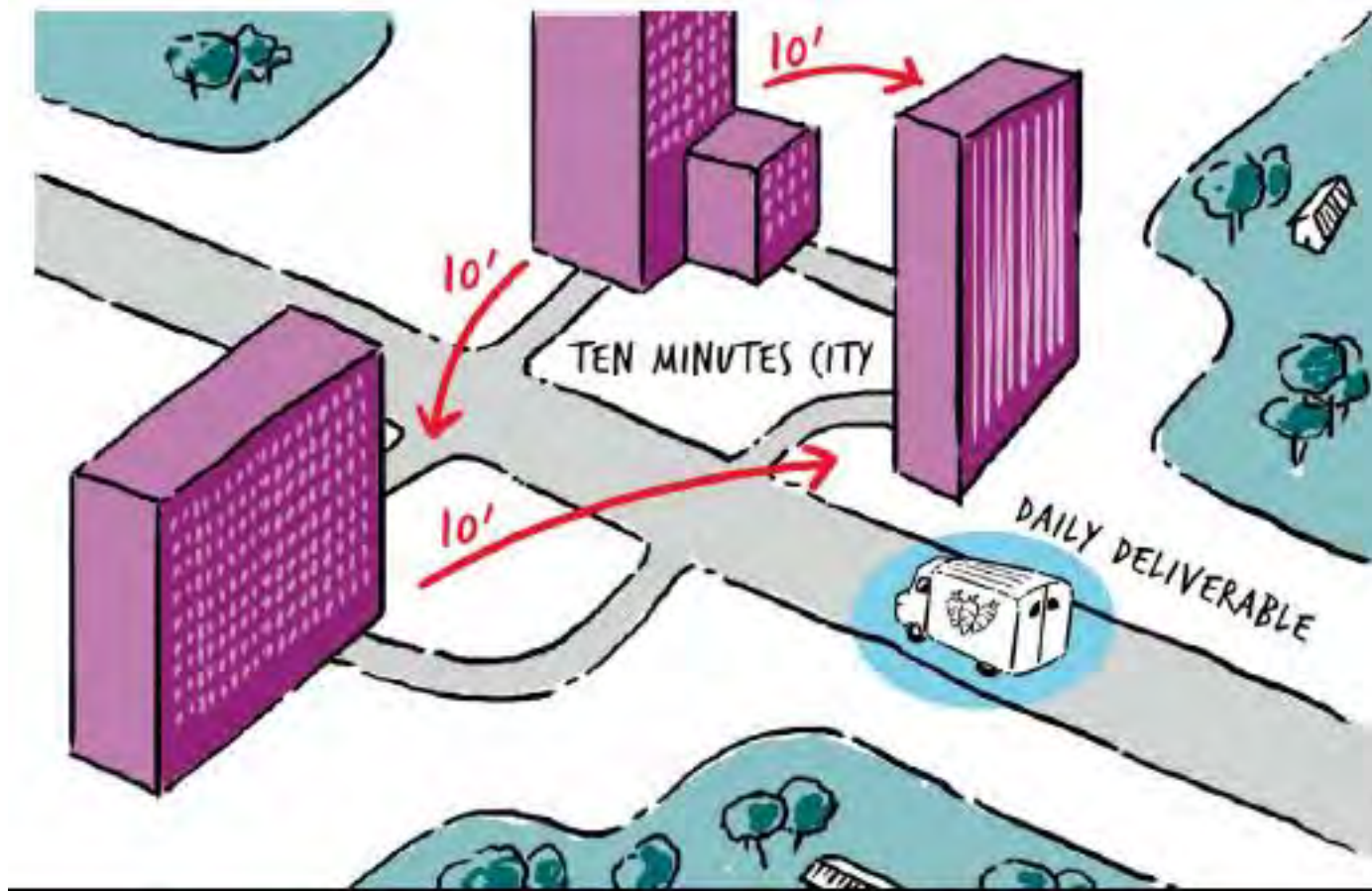
Was ist nachhaltiges Leben?



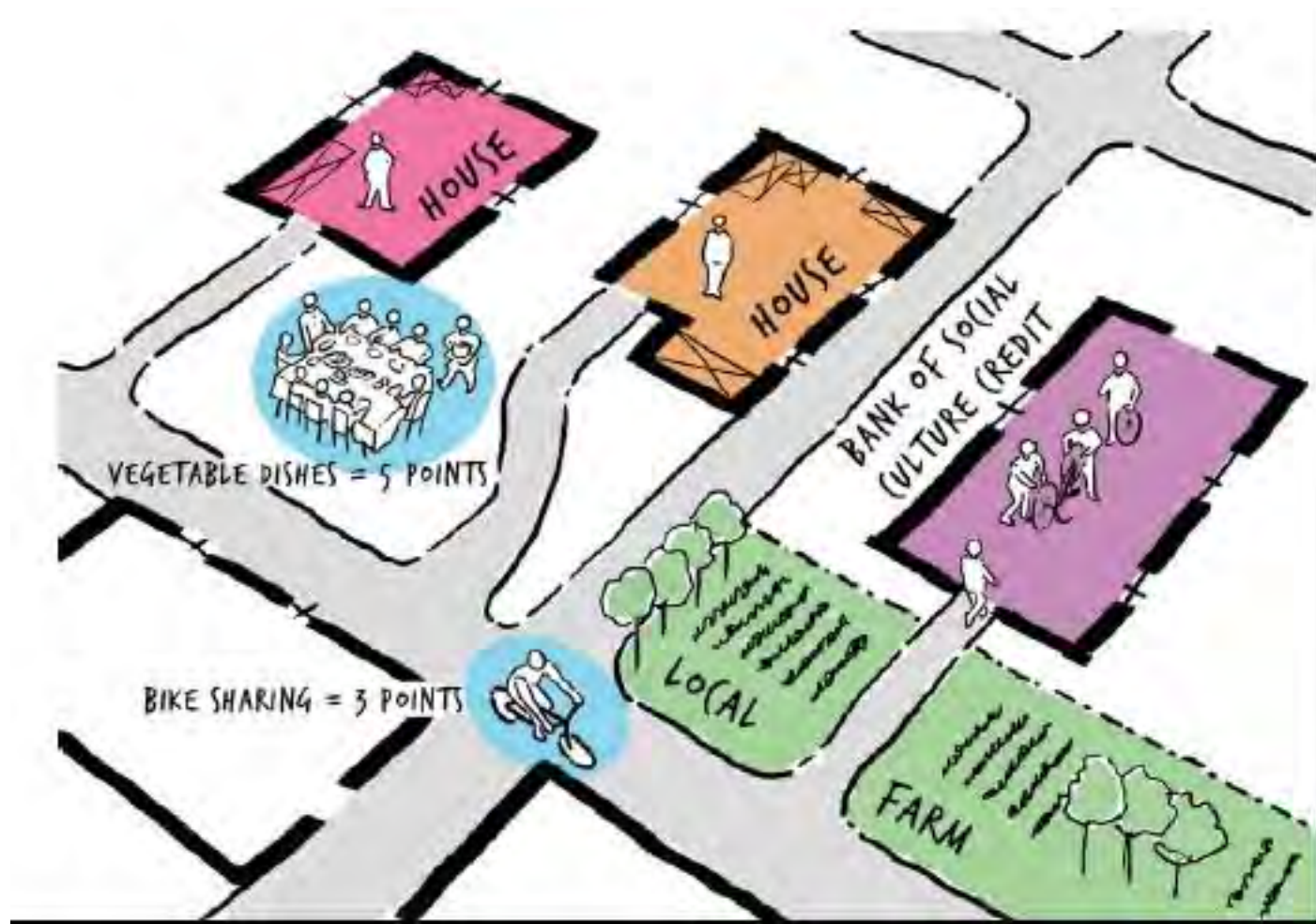
Wie leben wir in unserem Zuhause?



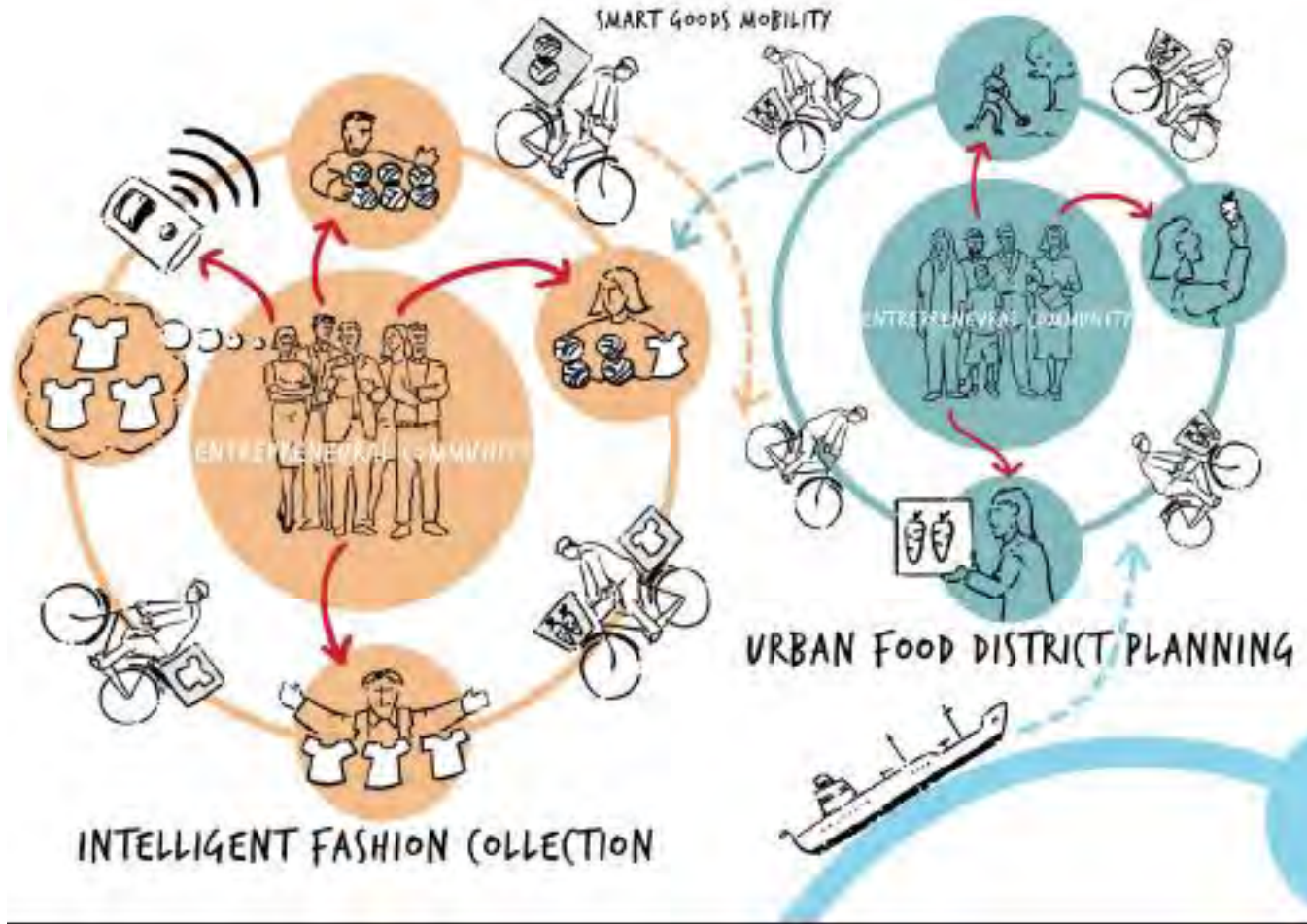
Wie bewegen wir uns fort?

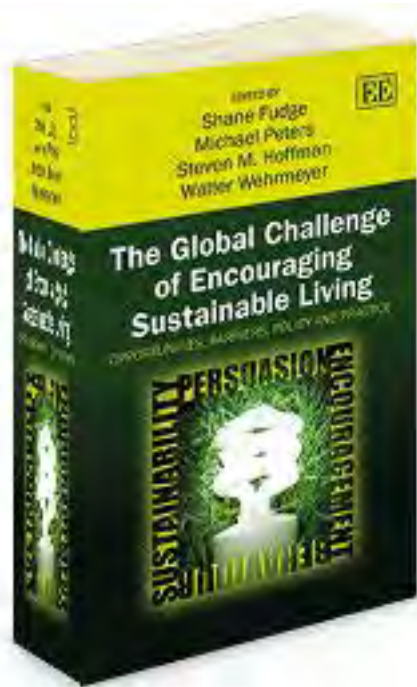


Was essen wir? Wo kommt unsere Nahrung her?



Was sind unsere Jobs? Wie funktioniert unsere Wirtschaft?





Emergent Futures? Signposts to Sustainable Living & Pathways to Scale

- C. Hicks & M. Kuhndt

Coming Soon... 2013

Zukunftsvisionen?

2050?



Offices and local
production plants in
urban context

the integration

Effizient



Work-life integration **Integration von beruflichem und privatem Leben**

Shared kids club

Anders ("Differen

Small private dwellings



Shared collective spaces **Geteilte gemeinsame Räume**

"... our dwelling space is pretty small, but most of the time the family is outside, kids in

Optimisation
of orchard
space

Suffizienz



Self-food production

Eigene Lebensmittelproduktion

Schritt 1

Die Auswirkungen derzeitigen Lebensstils verstehen

Die zu überwindenden HOT SPOTS



Ernährung, Mobilität, Wohnen, Gesundheit, Tourismus HOT SPOTS

In Western Europe, 20-25% of the obesity found in men, and 40-50% in women can be attributed to differences in socio-economic status.

In EU-27, approximately 60% of adults and over 20% of school-age children are overweight or obese.

Average household size in Europe has decreased from 2.8 to 2.4 people.

Meat imports to the EU 15 increased by 120% between 1990 and 2007.

Car ownership in the EU-27 increased by 35% in the period 1990-2007.

Heating accounts for 67% of household energy consumption in the EU-27.

Average car speed in big cities is 15 km/h because of congestion.

Electricity consumption per person increased by more than 30 % between 1990 and 2007.

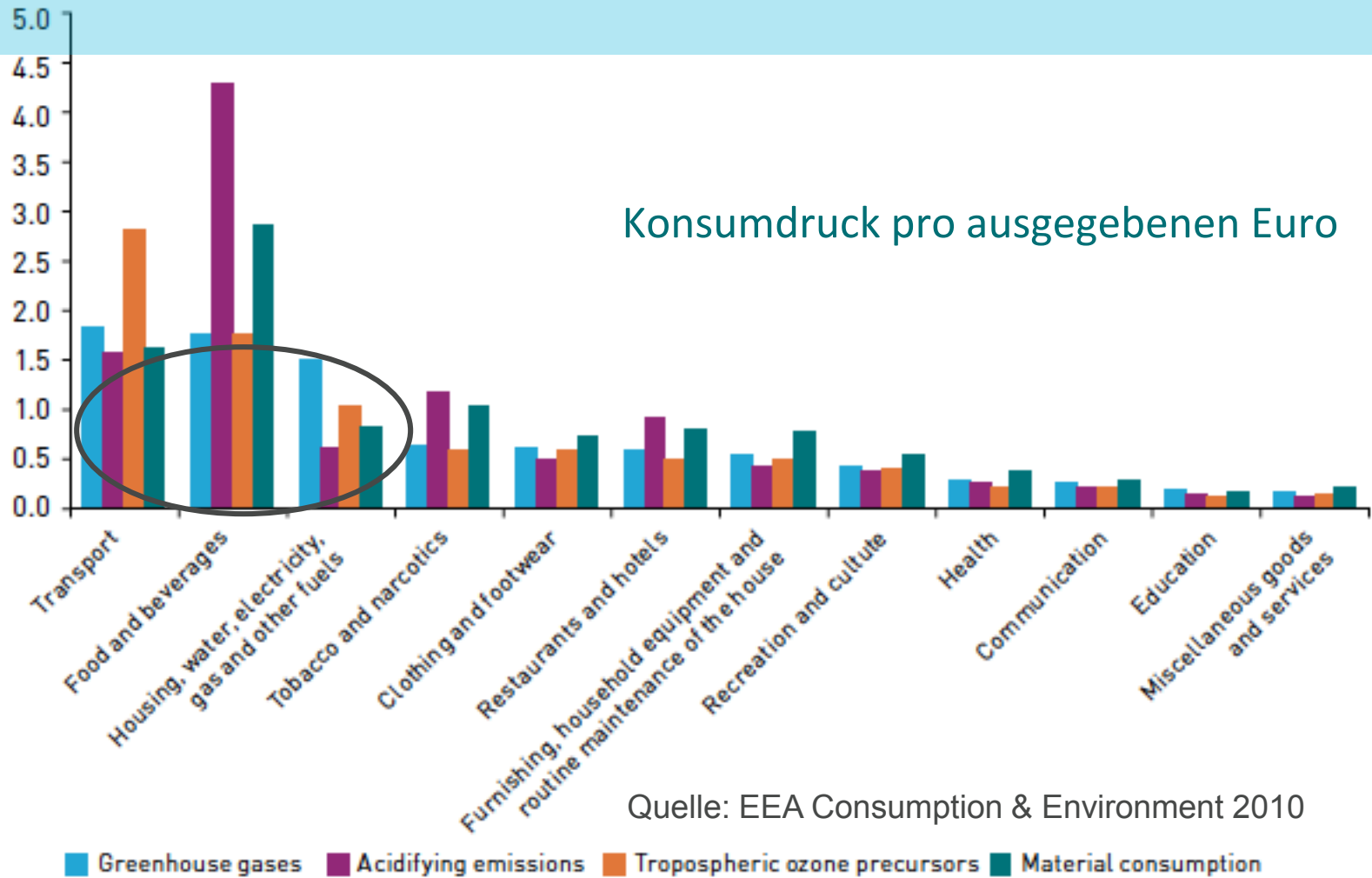
Food, mobility and housing account for 75% of household environmental impact.

The building sector is responsible for 40% of EU energy consumption and 36% of total CO2 emissions.

Waste generation increased by 2% between 1996 and 2004 in EU-15.

Ernährung, Mobilität & Wohnen

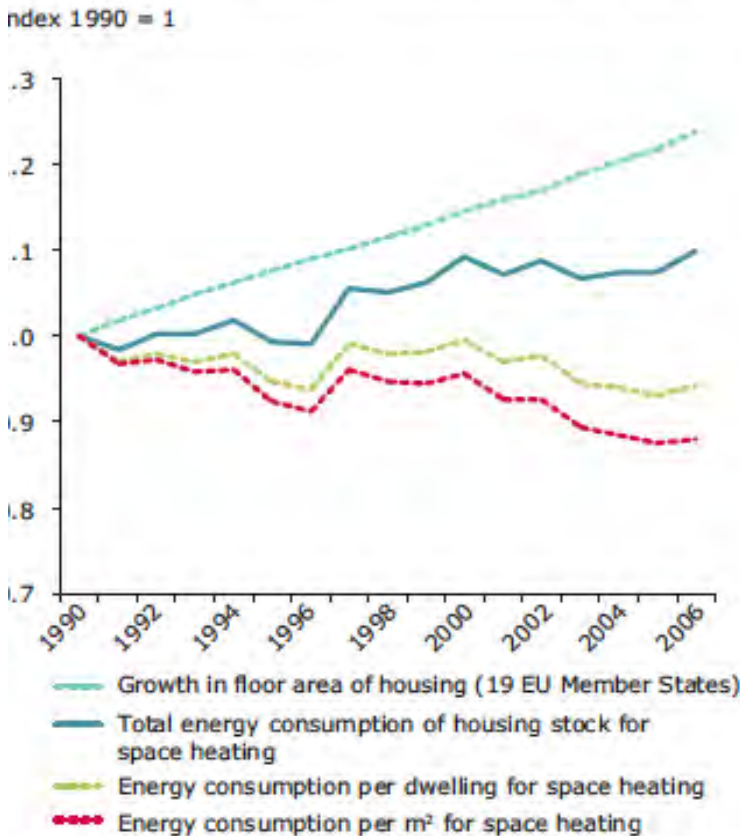
Gesundheit & Tourismus



Wohnen - Energieverbrauch

5.2).

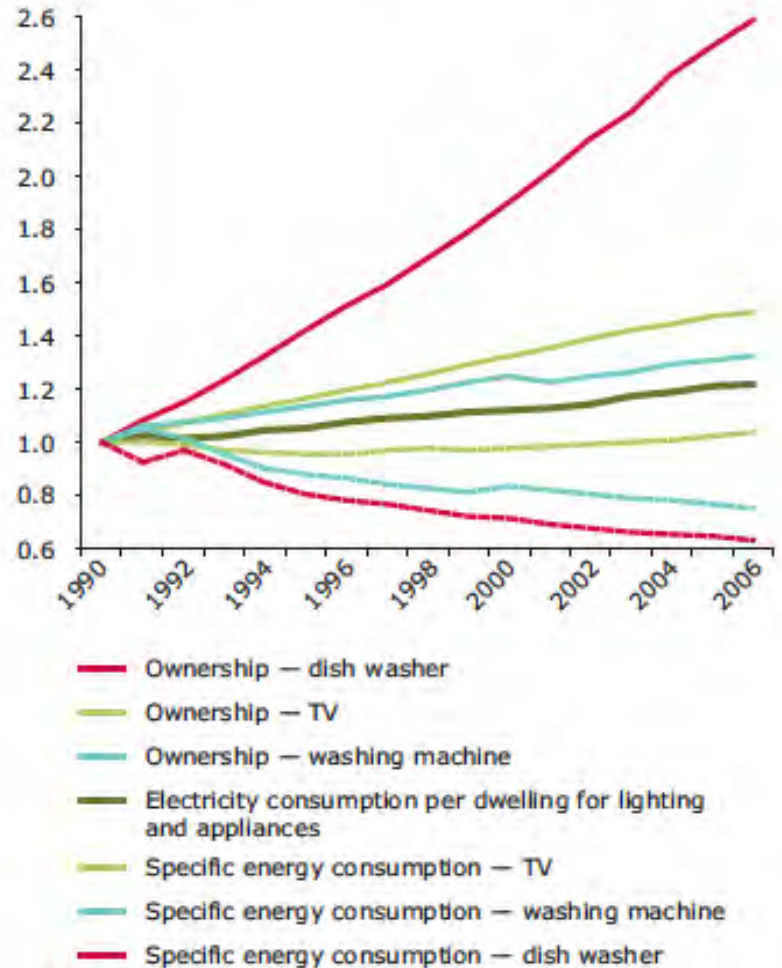
Figure 5.2 Trends in heating energy consumption and energy efficiency of housing, EU-27



Source: Odyssee database, 2010.

Figure 5.3 Trends in appliance energy efficiency and ownership, EU-27

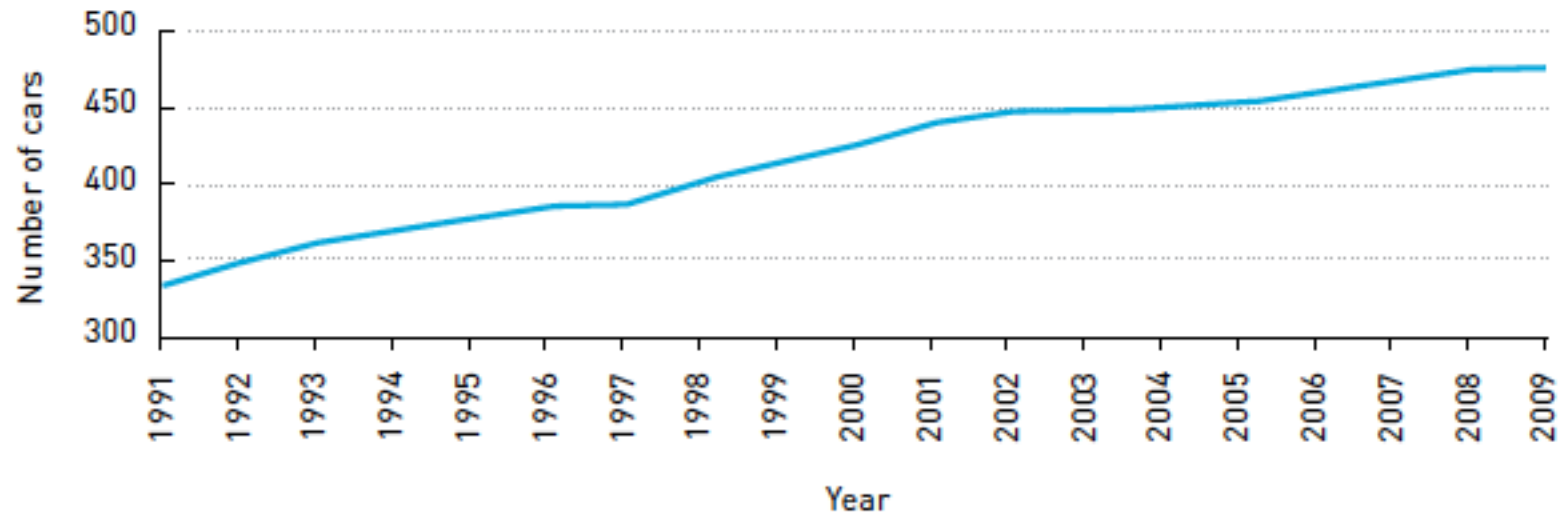
Index 1990 = 1



Source: Odyssee database, 2010.

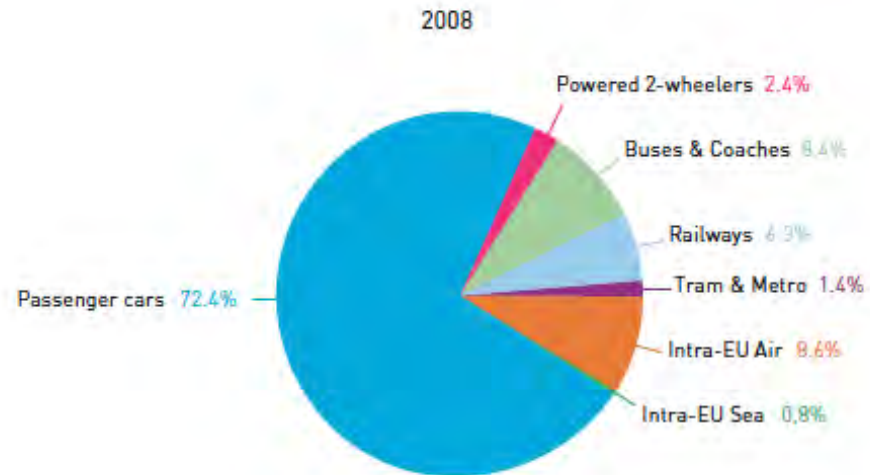
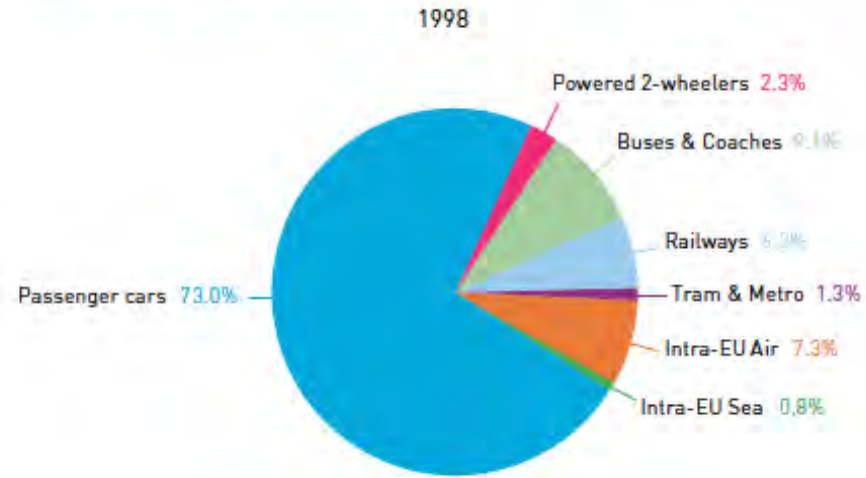
Mobilität – Abhängigkeit vom Auto

KFZ Anzahl pro Tausend Einwohner in der EU27



Source: EUROSTAT

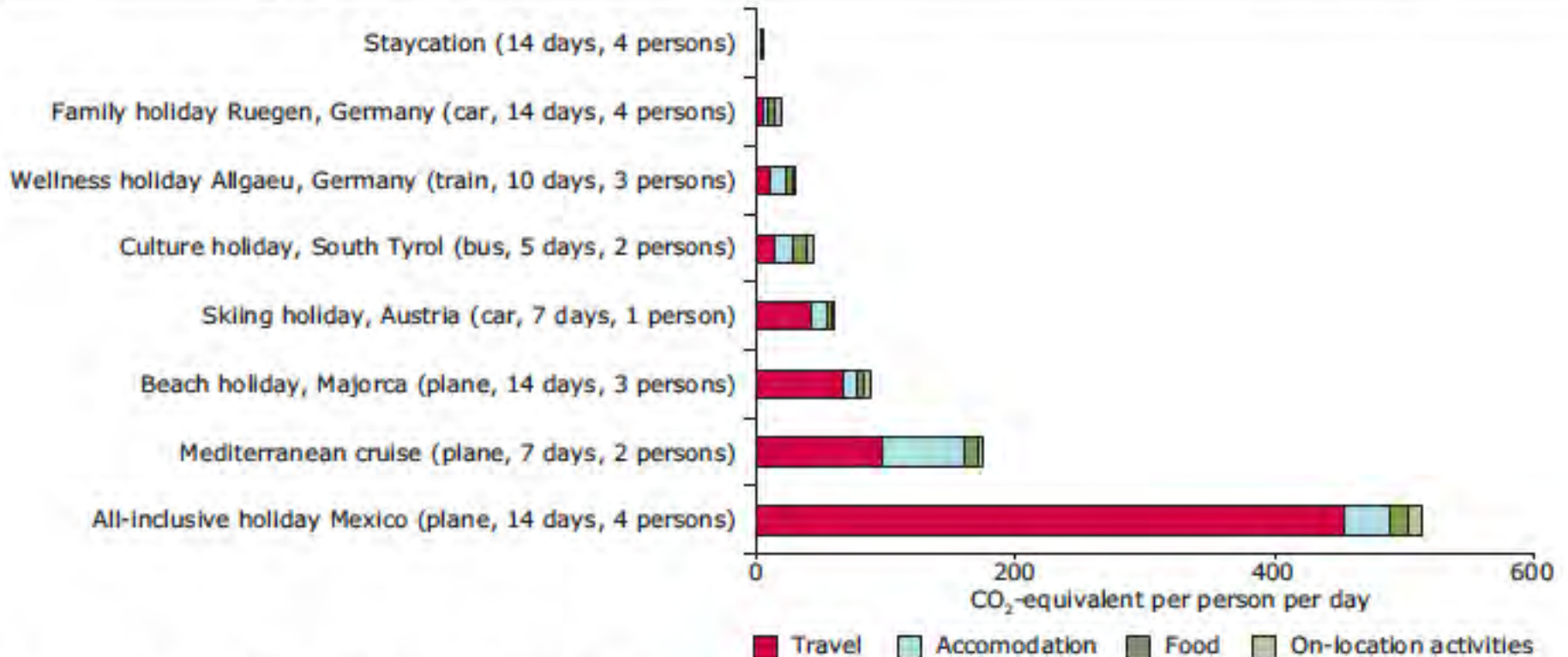
Mobilität – Anstieg der KFZ-Nutzung '98-'08



Source: EC 2011b, Eurostat, DG MOVE.

Mobilität & Tourismus – Langstreckenflüge

Figure 7.2 GHG emissions for some types of holiday trips from Germany, CO₂-equivalent per person per day

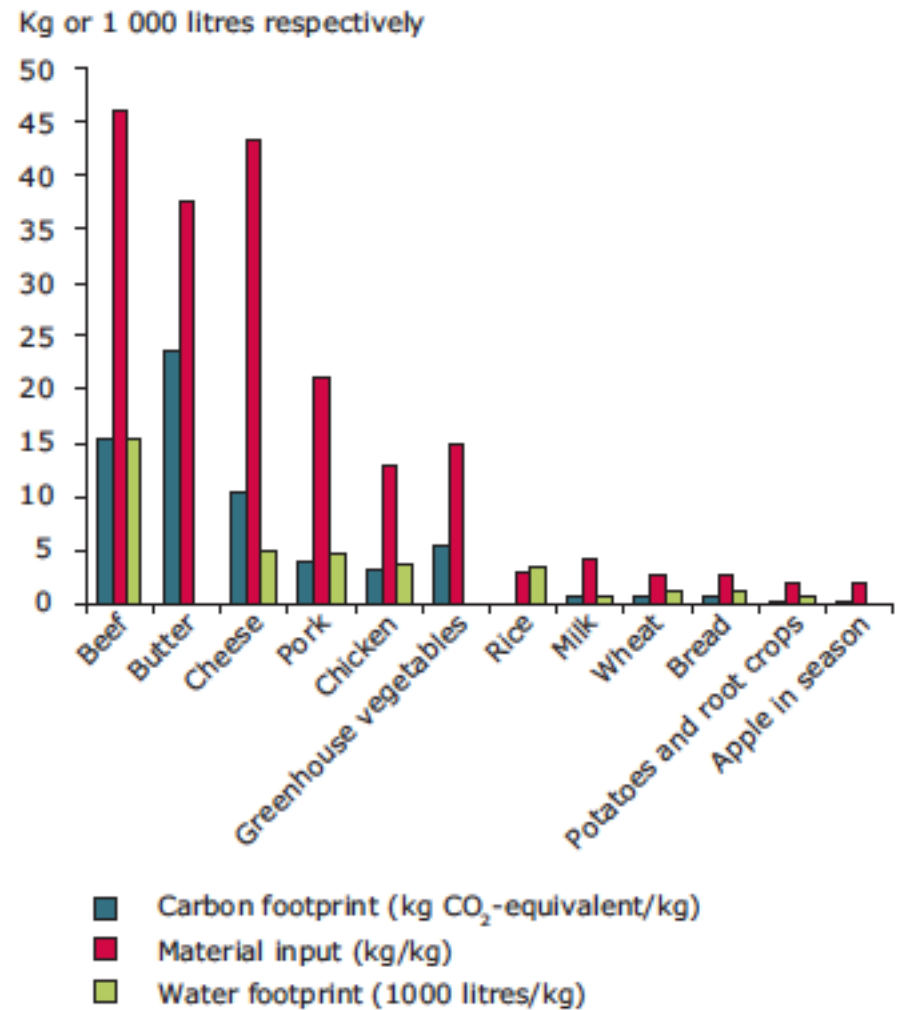


Note: Staycation means a holiday at home with holiday activities locally.

Source: WWF, 2009.

Ernährung – Fleisch und Milchprodukte

Figure 4.2 Carbon, material and water footprint for different types of food



Source: Carbon: Angervall et al., 2008; Danish EPA, 2006; Fritsch and Eberle, 2007; Hirschfeld et al., 2008; Williams et al., 2006; Århus University, 2007; Material input: Kotakorpi et al., 2008; Water: Water Footprint Network, 2010.

2011 SPREAD Grundlagenforschung: Unnachhaltige Lebensstile Trends & Hot Spots

40-60 Tonnen EU Lebensstil

(Gesamter Materialverbrauch)



Ernährung: Fleisch & Milchprodukte - **24%** der gesamten Auswirkungen des Lebensmittelbereichs (acidification emissions & Materialverbrauch)

Wohnen: Heizen / Kühlen, Wasserverbrauch, Nutzung von Geräten und Elektronik - **40%** des **Gesamternergieverbrauchs**

Mobilität & Tourismus: Alleinige Autonutzung (**35%** Anstieg) Flugverkehr (**9%** Anstieg)

Gesundheit & Wohlbefinden: Adipositas (vemehrte Zuckeraufnahme), Herzkrankheiten (fettiges Essen und Rauchen), Krebs (giftige Chemikalien)

Schritt 2

**Sich eine nachhaltige Zukunft vorstellen
Nachhaltiges Leben unterstützen**

**Gesellschaften, in denen derzeitige
Herausforderungen nachhaltigen Lebens
überwunden sind**

Scenarios for Sustainable Lifestyles

2050:

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2015

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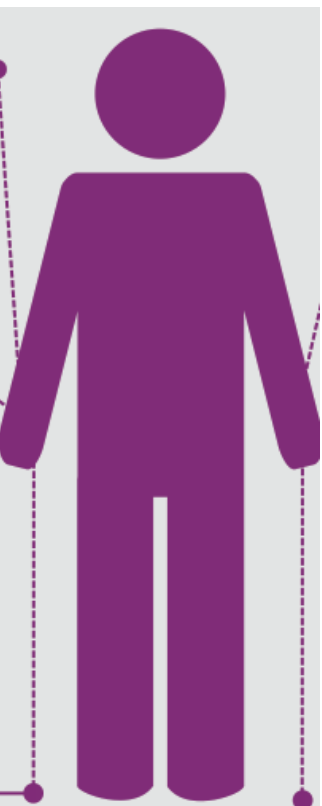
Gesundheit & Wohlbefinden: Adipositas (vemehrte Zuckeraufnahme), Herzkrankheiten (fettiges Essen und Rauchen), Krebs (giftige Chemikalien)

2012 SPREAD Vision von Nachhaltigen Lebensstilen

7-10 Tonnen Lebensstil

(Gesamter Ressourcenverbrauch)

Was wäre, wenn derzeitige Herausforderungen überwunden wären?



Ernährung:	500 kg/Jahr v.a. vegetarisch
Wohnen:	20 m ² /person Null Netto Energie
Energie:	1000 kWh via Wind- und Solarenergie
Haushaltsgüter:	effizient, anders und suffizient
Mobilität & Tourismus:	10 000 km/Jahr ohne Auto
Gesundheit und Wohlbefinden:	verbesserte Gesundheit, Wohlbefinden, Glück



A new European-wide network of "villages in towns" is established. Members of the network establish urban farming cooperatives in their neighbourhoods and start negotiating with municipalities, real estate owners and inhabitants for access to under-used land for farming purposes.

Rosa put up a local gastronomy guild that became her life work and turned into lunch canteen.



"This is our guild canteen where people of the town enjoy their lunches and dinners."



When Rosa first moved to the town, she bought a big flat. Soon she started to rent out some of the rooms for her guild's visitors and eventually to her guild colleagues. Also taking care of the daily routines became much easier.

ROSA

HOUSEHOLD GOODS

FOODS AND BEVERAGES

EVERYDAY MOBILITY AND TOURISM

ELECTRICITY AND HEAT

BUILT HOUSING

53 228 kg

7 990 kg

When one of her colleagues mentioned to her about a local solar panel expert, skilled to fit the panels to the conditions in Spain, she started to use his services regularly.

2/3 of the inhabitants live in neighborhoods that are defined according to a profession and a guild. These neighborhoods also form the basic political units that have the right to elect their own representatives to the regional council.

2012 2020 2030 2040 2050

Schritt 3

**Anerkennung von Bürgerbewegungen
& soziale Innovationen**

**Identifikation vielversprechender
Praktiken**

A vibrant, futuristic cityscape under a blue sky with light clouds. In the foreground, a large, dark, metallic structure with glowing green lights and a red antenna-like tower stands on the left. In the center, a large, brown, saucer-shaped flying vehicle with a bright light on its underside hovers in the sky. The background shows a sprawling city with various buildings, a body of water, and a large, golden, pyramid-like structure on the right.

Wegweiser für...

***Mehr
nachhaltiges
Leben***

2050?

Logging built for
life integration

Effizientes Leben



- ◆ weniger Abfall
- ◆ effiziente Produkte und Dienstleistungen
- ◆ zu starken Konsum reduzieren
- ◆ Kostenreduktion

- ✓ ½ EU Hausbesitzer investieren in Energieeinsparungen fürs Haus
- ✓ Energieeffizienz für Heizen und große Geräte > Netto +
- ✓ Anstieg für Marktanteil für A-Label Geräte von 10% > 90% '98 > '08
- ✓ Aufkommen von "Passivhäusern" = Gesamtenergie 15 kWh/ m²

Anderes Leben



- ◆ The Sharing Economy
- ◆ Zugang vs. Besitz
- ◆ Wandel in der Art zu leben (das “WIE”)
- ◆ Produkt-Dienstleistungssysteme
- ◆ Abkopplung Konsum von Ressourcenverbrauch

- ✓ Nutzung der Bahn vs. Auto + 180% '95>'07
- ✓ Teilen von Autos, Fahrrädern, Häusern, Haushaltsgütern geschätzt 5.5M pp 2015
- ✓ Zahl der Bike-Sharing-Angebote verdoppelt in 2007



Suffizientes Leben

- ◆ Lebensqualität verbessern
 - ◆ bewußt weniger konsumieren
 - ◆ Banker > Landwirt
 - ◆ freiwillige Einfachheit
- LOVOS
- ◆ langsames Leben
 - ◆ Nichts-Kaufen-Tag

- ✓ Totaler Fleischkonsum gefallen um 2.2% in 2007
- ✓ lokales, saisonales Essen + effiziente Landwirtschaft < ökologischer Fußabdruck um 60%
- ✓ Transition Towns wächst auf 400 Gemeinden in 34 Ländern (2011)
- ✓ One Planet Living Gemeinden – in Partnerschaft mit lokalen Regierungen
- ✓ Low Impact Man (4000 > 1 kwh/day) > Eine Tonne Familie Schweden

Entstehende vielversprechende Praktiken - EU

Consuming

SFEAD Sustainable Lifestyle 2020

INTELLIGENT FASHION COLLECTION

Chiara, 27, stylist

"... I've just launched my third collection! Well, it's not really my collection since I work in close contact with a team of doctors and engineers. It is a stylish fashion collection of cloths, body jewellery and underwear that are extremely functional and smart for everyday life wellness. Clothes can easily be changed in shapes and colours, so to fit with the diverse needs of the day and the seasons. Underwear and body jewellery are thought to check and regulate body functions. The need of washing and ironing has been reduced thanks to technologies. My clients are enthusiastic and now we are designing a new collection for kids..."



How does it work?

- pre-a-porter fashion makes a point of value in creative multifunctionality and transformability: size and shape of the cloths are designed to be personalised and be fully modular and re-

Comments

Consuming

SFEAD Sustainable Lifestyle 2020

URBAN FOOD DISTRICT PLANNING

Martha, 36, mother of a 3 children family

"...we have the chance to live in a city where the municipality has decided to introduce the food district planning initiative. Our food mix must be at least nearly 50% locally produced and 10% self-produced among neighbours: garlic is growing on the balcony, cucumbers downstairs, tomatoes come from neighbours' vegetable gardens, commuters bring fresh dairy products from suburban areas into downtown. I still go to local supermarkets, once in a while I may buy some imported food..."



How does it work?

Living

SFEAD Sustainable Lifestyle 2020

URBAN WELLBEING INDICATORS

Ulla, 22, student

"I have the privilege of studying in a town that is day-by-day more shining for its wellbeing! On my way home, today, I was astonished by the brightness of the urban sculpture in the square: wow! It seems that our capability of saving resources is dramatically increasing as well as overall domestic happiness. This is the town where I want to live and work in my future. It is so beautiful and makes me so proud!"



How does it work?

- the overall resource consumption and happiness factor is calculated and shown in real time in the public spaces of the city, thanks to urban sculptures and installations that raise public awareness about effective sustainable performance and capability to produce it.
- buildings or surfaces display web contents (tags, pictures, ipa) according to a semantic search engine. People can ask questions and the city tells and shows how it's feeling or it gives advice about life today;
- as a city performs well, the more it is made beautiful and by its sculptures and sensitive art pieces in public space. This is cities in healthy competitions.

Comments


Moving

SFEAD Sustainable Lifestyle 2020

HIGH EFFICIENCY INTER-MODALITY

Jimmy, 54 years, manager

"... this week was busy. From Boston to Washington DC with the high speed train, then to Jacksonville and back. I didn't really feel like changing from one city to the other: In Washington I directly went with an e-bike from the platform to the client. I had to make an important call and so I left the bike on autopilot. In the afternoon I had to make it to Jacksonville, but my meeting went on endlessly. Fortunately the train operator organized me a car-pooling for the train I missed which took me right in front of the office..."



Comments

Society

SFEAD Sustainable Lifestyle 2020

RESPONSIBLE PATIENTS

Ulrika, 28, student in chemistry

"Since I discovered this screen diabetes I monitor it through an sensor attached to my arm. It is constantly watched for my heartbeat and it rings my phone when insulin is low. I'm constantly speaking it's a relief and I can forget about it in my daily thing. But earlier it really hanging on to the side like the changing disease that this monitoring application is provided by my cooking club. I always used to cook, exchange recipes and create new dishes... Now I do it for and with my diabetes community..."



How does it work?

- integrated system of patient monitoring and automated health care facilities daily using big patients with life-threatening diseases;
- next self-medication systems use transport for the patients that could give you normal life;
- systems are also designed to put the patient in an active well-being position facing up to their disease and therefore developing more responsible attitudes.

Comments

Moving

SFEAD Sustainable Lifestyle 2020

REST: IMMOBILITY LIVING

Riberto, 37 years, employee and married

"... This year with my wife we decided to take part in REST: the Reduced and Sustainable Transport training program. The idea is simple: make your life better where you are instead of striving to escape for leisure and holidays. We did not change our life a lot in fact but our mindset: I began to read the books I piled-up for years on the shelves of my library and my wife start art research instead of seeking for week-ends and mini-trips and we have been saving up our allocated mobility carbon credits for the last 3 years for a slow trip in China..."



How does it work?

- mobility carbon credits limitation per person and per year;
- promotion of low transport intensive activities and travel diening programs;
- limitation to campaigns promoting mobility from holiday travel to urban journeys;
- development of slow tourism based on boat travel and bicycle.

Comments


Society

SFEAD Sustainable Lifestyle 2020

CLEAN MONEY

Andrea, 37 year-old, father of the 3 children family

"... taxes on personal income rose like mad to cover droughts here and tsunamis there and catastrophes after silly urbanization projects in mega-cities: now I prefer to earn less, with green and fair investments but I want to know what my money is used for and I want to be able to judge myself if the projects financed will be good or not for the future of my kids..."



How does it work?

- huge costs induced by bad sustainable management and catastrophe related increases induce people to pay more and more attention to what is done with their money;
- after many financial crises due to lack of investment regulations, transparency is the norm that also benefits sustainable projects;
- sustainable responsibility, ethical wealth and fair banking criteria is the norm on the financial market; investments are made only for sustainable proposals.

Comments

Society

SFEAD Sustainable Lifestyle 2020

GREEN GYM

Bob, 28-year-old, architect

"...we took part this week-end in the Patagonia harvesting rally: I ran so much carrying wheat sheaves, oh my god I was exhausted. I am accustomed to one hour of gym-plotting here in the agricultural public park nearby. It's a classic orchard gym organized with all Decathlon sets that provide us with a third of our fresh veggies in summer. But here, the whole city was taking part in the rally, carrying the wheat to the mill. And this way, city bakeries make bread all year... In winter, or when it rains, I go to a regular fitness centre instead, where I exercise to produce energy or to purify water."



How does it work?

- sustainable active life turns normal gyms into functional sport centres with different goals, such as producing energy;
- conventional gym sports evolved into growing food activities (self-production), doing gym in a natural farming place instead of indoors, taking part in plotting or harvesting, aerobic cleaning activities to the rhythm of music.

Comments

Offices and local
production plants in
urban context

the integration

Effizientes Leben



Work-life integration **Integration von beruflichem und privatem Leben**



constructions

Retrofitted
passive housing

Insulation based
on DIY solutions

Energy efficient habitat **Energie-effiziente Siedlungsweisen**

" evolutions of DIY with new materials and easier processes allows to make quick and cheap



Sustainable feedback and guidance systems Nachhaltiges Feedback und Beratungssysteme

"...our Active House is constantly optimizing our ways of living from suggesting green cooking



Green diet
delivery
services



Control board
for domestic
services

Efficient domestic services Effiziente Haushaltsdienste

" for most of the household shores we comply to programs of optimized domestic services: I

consumption target
fixed by user per month



Sufficiency
programme

Reducing ecological footprint **Reduktion des ökologischen Fußabdrucks**

" I choose the same 'energy budget card' of master Shashang Shrinivady. I will follow

Neighbourhood
fabbing store



3D printing and self-
prototyping facilities

Local production/Taking care of things...

Lokale Produktion / Betreuung von Gegenständen

Shared kids club

Anderes Leben

Small private dwellings



Shared collective spaces

Geteilte gemeinsame Räume

"... our dwelling space is pretty small, but most of the time the family is outside, kids in



Urban densification

Urbane Verdichtung

"...the urban planning guild was pretty active to build in the neighborhood available land a

composed everyday



Flexibility in work

Berufliche Flexibilität

Local design and
production workshop



Fabbing
equipments
for local
production

Local production Lokale Produktion

"...my oldest daughter was always hanging around the clothes design guilds' workshops and now she's doing her apprenticeship there to enter the guild that produced most of the clothes wear..."

Optimisation
of orchard
space

Suffizientes Leben



Self-food production

Eigene Lebensmittelproduktion



Secondary streets transformed and divided in local neighbourhood gardens

Provides complementary food resources for houses and apartments nearby

Re-appropriation of public space regenerates local social life

Former sidewalks maintained for local mobility

Urban farming **Städtischer Lebensmittelanbau**

"...this plot is part of the former transversal road that was turned to slow mobility and divided into gardens"



Local production Lokale Produktion

” for my husband and me. Leisure means visiting one the Local Gastronomy Guilds around



Investing in low-pressure activities **Investitionen in Aktivitäten mit geringem Impact**

"...my kids say there is enough exciting to discover in digital schools, virtual tourism, and



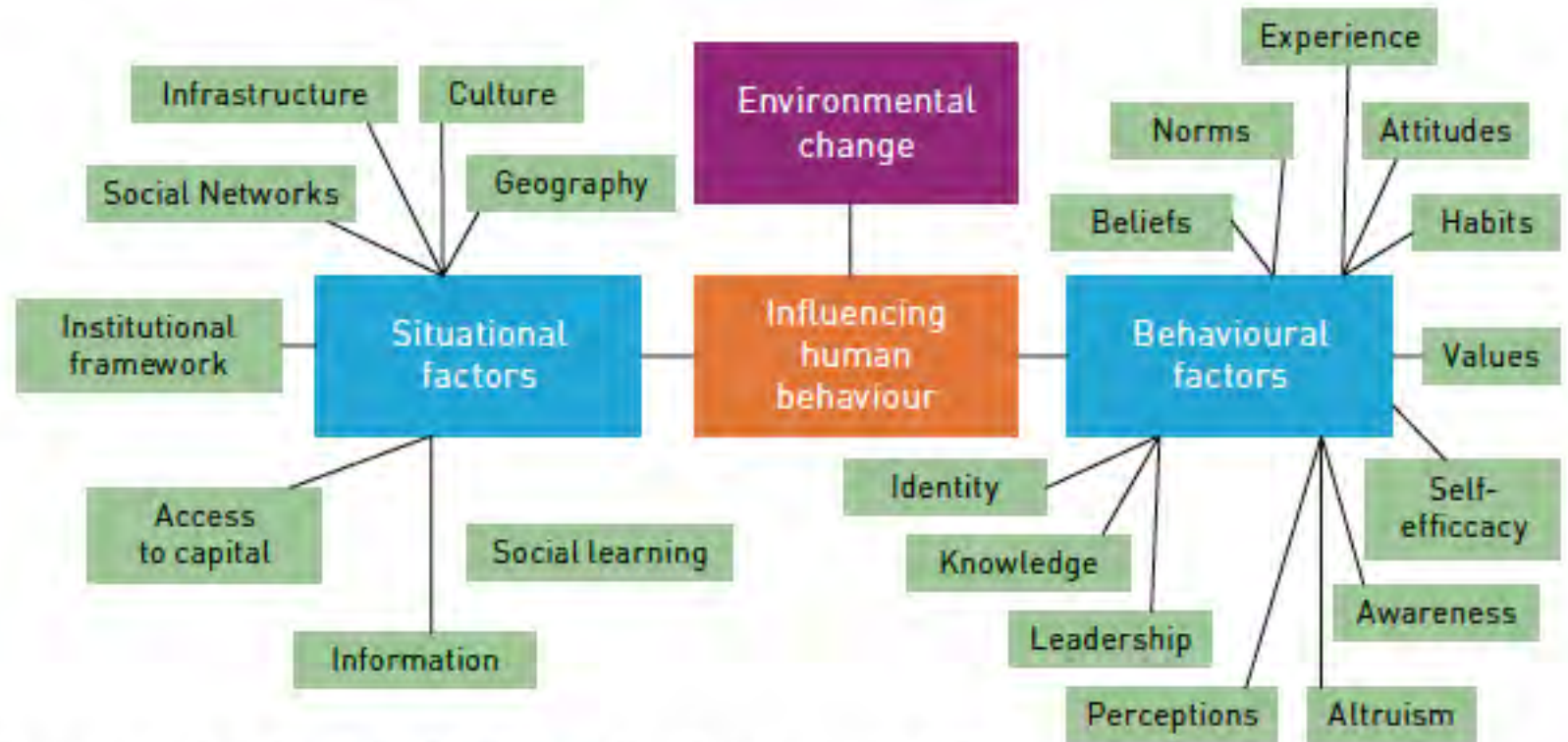
Participative governance Partizipative Regierungsführung

"... dass es für die..."

Schritt 4

Verhaltensanreize & Erwartungen verstehen

Faktoren, die Verhalten beeinflussen



Source: Defra, Sustainable Lifestyles Framework, 2011.

Beispiel "Person"

PART 1 – BACKGROUND

Name

Location (optional¹)

Photo

Demographic data

HELEN MUNDIS
CORFU TOWN, GREECE



AGE 65
YEAR OF BIRTH 1953
GENDER F

Personal history & interests

I live in Corfu Town with my husband Panos. We are both from Agios Matheos, a small fishing village in the Ionian island of Corfu. We dreamed of escaping our small village when we were young. After we married, we moved to Athens for many years where my husband worked in an aquaculture company as a fish culture expert. I opened a clothing store in Athens before the recession and worked with my daughter until she went to AAS College in Thessaloniki for fashion design.

Then the recession hit and Greece adjusted its relationship with the Eurozone and local currencies flourished and the euro became associated with luxury items. We returned to Corfu to a life we knew and an economy that was thriving initially from banking and then its own local

attention to the newest fashions and brand names and are especially supportive of local, sustainable clothing companies.

My husband began his own sustainable aquaculture farm here in Corfu Town because the fishing industry was collapsing from new restrictions on fishing in the Mediterranean. He provides fish for many restaurants in the city and exports to nearby villages and cities. The restaurant buys his fish but he also trades them for other goods and services at a local market. It feels like we're living in those times again when we lived in Agios Matheos but with computers keeping track of everything. We used to trade milk for meat and cheese for flour. Now we press a few buttons on our phones and suddenly we've got yoga lessons in exchange for sar-

Aspirations

Current activities & reflections about lifestyle

Beispiel "Person"

Teil 2 – Lebensstilindikator – Ökologisch

Lifestyle ecological impacts

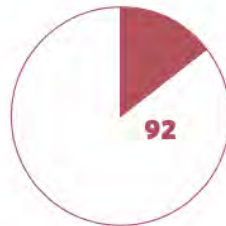
HELEN MUNDIS
CORFU TOWN, GREECE

SCORE OVERVIEW

Eco Score
Maximum Possible: 500
Low = Good



HEALTH & WELL-BEING SCORE
Maximum Possible: 500
Low = Good



Lifestyle personal and social impacts

ECO SCORE (out of 100)

LIVING	HOUSING	10
	Purpose built (e)co-housing is the current best environmental option	
	ENERGY	30
	The family has a lot of electronic entertainment devices, but Helen is not a heavy user of any of them.	
	WATER	40
	The steam shower and enzyme based cleansers make personal hygiene fairly efficient. The household also produces a lot of its own food, and although they recycle water, 60% of their water use is used for food production.	
MOVING	Helen tends to walk and bike everywhere in the city that she needs to go to.	0
CONSUMING	Helen is a staunch advocate of less is more. She uses her money sparingly; towards trips, experiences, and classes instead of material items. As for physical objects, she buys or barter supplements, skin care products, or things that last.	20
TOTAL		100

Category 1: Resource use (Flow)

Description of each item comprising the indicator

Relative scores (optional²)

Beispiel "Person"

Teil 2 – Lebensstilindikator- Sozial

Category 2:
Health
(Balance)

HELEN MUNDIS
CORFU TOWN, GREECE

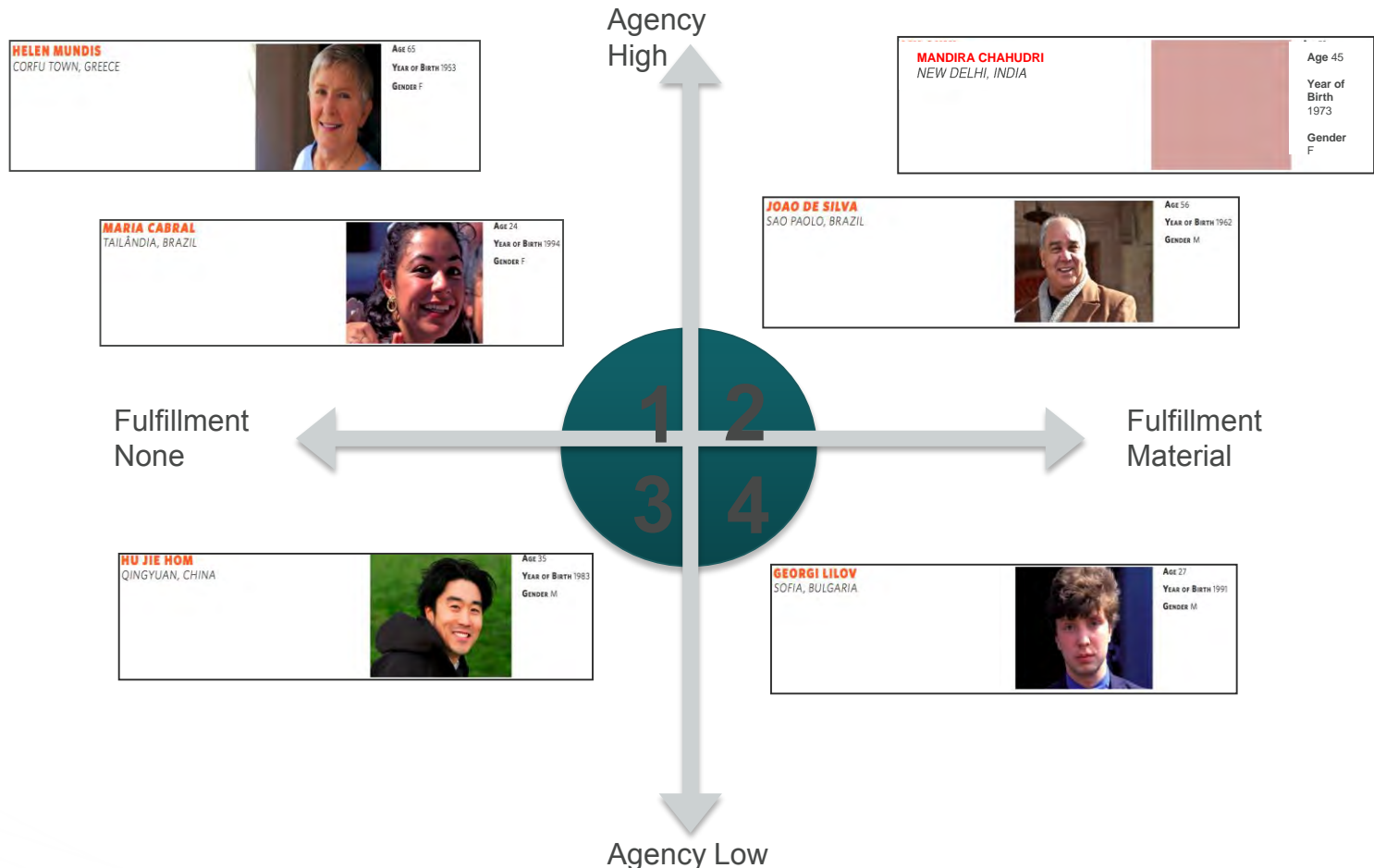
HEALTH + WELL-BEING SCORE (SCORES OUT OF 100)

HEALTH	AGE	65	WELL-BEING	OVERALL SUBJECTIVE SATISFACTION	10
	65 years old			Helen feels happy with her life and what she has achieved.	
	LOCATION	10		WORK SATISFACTION	10
	Their home in Corfu Town is situated on a quiet street with views of the ocean and fresh air.			Helen loves her work. She enjoys what she does every day, and also feels a connection to a bigger global movement.	
	CHRONIC CONDITIONS	10		SOCIAL CONNECTEDNESS	10
	She struggled with heart palpitations until she switched to a diet based on her genetic profile. The stress on her heart at such an early age slows her down slightly.			Helen makes an effort to connect with everyone around her and is popular in the local community.	
	GENETIC MARKERS	30		TIME USE	10
	Helen has genetic markers for high cholesterol.			She has a balanced life of work, pleasure and exercise.	
	LIFESTYLE	20		COMMUNITY VITALITY	10
	She maintains an active lifestyle and keeps up-to-date with information about health research and practices			Corfu Town is a place where people know each other and engage in cooperative work to take care of each other.	
TOTAL		135	TOTAL		50
OVERALL TOTAL (135 + 50)÷2					92

Category 3 :
Well-being
& social
relations
(respect)

These indicators help to get an overview of products and services this particular type of consumer demands. Participants can also identify ways to motivate them for adopting certain behaviors.

Beispiel "Personen" – Grad der Unterschiedlichkeit



Schritt 5

Roadmap & Wege zu nachhaltigerem Leben in Europa in 2050

Notwendigkeiten & Meilensteine für verschiedene gesellschaftliche Akteure, um nachhaltige Lebensstile zu ermöglichen

Politik-Informationen



EU Sustainable Lifestyles Roadmap and Action Plan 2050

"PATHWAYS FOR ENABLING SOCIAL INNOVATION AND BEHAVIOUR CHANGE"



Der Übergang zu nachhaltigen Lebensstilen: *Notwendigkeiten & Meilensteine 2012-2050*

POLICY & GOVERNANCE PATHWAY
*Systemic inclusive and participatory
governance and policy decision-making*

ECONOMY PATHWAY
*Economies and monetary systems
support people and enable sustainable
living*

SOCIAL INNOVATION & BEHAVIOUR
CHANGE PATHWAY
*Opportunities in understanding
sustainable lifestyle diversity & re-
thinking the good life*

Key pathway themes at a glance

- ✓ Human centred, systemic and participatory approaches to policy making to promote sustainable living
- ✓ Individual resource consumption targets incentives and rewards (towards 8000 kg lifestyle footprint)
- ✓ Improvements in policy assessment tools to identify milestones of achievements towards more sustainable living
- ✓ National ombudspersons for future generations and parliamentary committee on “protecting the future”

actual trend	2012-2015	2020	2025	2050	Key messages from scenarios 2050
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Governance: Systemic inclusive and participatory governance and policy decision-making

<p>Policy-making structures are silo-ed vs. systemic which has caused a lack of coherence in policies that might support and foster more sustainable living</p> <p>Policy assessment tools lack provisions for understanding the systemic risks of sustainability, early warning signals, stress testing and allowance for dynamic change mechanisms. Health and social equity impacts have not been adequately considered</p> <p>Policy decision-making has been "top-down" which is becoming less relevant and representative of EU society as a whole. It has been lacking provisions for "bottom-up" inclusive decision-making processes</p> <p>Policies are based on what we want in terms of economic growth, not on what is available in terms of ecological and social capital.</p> <p>Centralized energy supply - dependence on fossil fuels and nuclear energy</p>	<p>Renewed European Strategy for Sustainable Development, includes a chapter on sustainable lifestyles - and the provision for personal footprint budgets (8 000 kg). Cross-sectoral, human-centred approaches to policy-making for sustainable living should include health, agriculture, education, finance, urban planning, social affairs, welfare, trade and transport, energy, environmental protection and climate change.</p> <p>Review mechanisms implemented</p> <p>Installation of (inter)national Ombudspersons for future generations. Establishment of parliamentary committee with the specific remit of "protecting the future"</p> <p>Launch of International Panel on Sustainable Resource Use (IPSRU) which has the mandate to account for and fairly distribute natural resources per country/region</p> <p>A broadening of the energy supply markets to be inclusive of renewables and cooperatives</p>	<p>- National Strategies on Sustainable Development in all EU countries include a specific chapter on sustainable lifestyles</p> <ul style="list-style-type: none"> - Binding resource consumption targets and legal frameworks - Economic incentives (production & consumption) for sufficiency and quality consumption <p>Assessment tools are extended to parliament (National and European)</p> <p>- Participation of civil society in local budget and policies to monitor public investments and support more sustainable lifestyles</p> <ul style="list-style-type: none"> - Voluntary code and guidelines for green procurement extended to become legally binding. - The Future Generations Act is established guaranteeing constitutional rights <p>IPSRU proposes national quotas and targets for resource use</p> <p>Energy mix moves towards the phase out of fossil fuels and nuclear energy</p>	<p>Sustainable development and lifestyles strategies form an overarching framework for all policies</p> <p>European sustainable assessment tools become audited by external organisations to ensure transparency and accountability</p> <p>A Congress of the Future is established, convened by parliament to provide direction on long-term strategies</p> <p>Political decision on national resource use quota systems at International Resource Use Summit 2020</p> <p>Launch of personal carbon and resource card test phases</p> <p>50% decentralization and democratization (cooperative system) for renewable energy production and diversification of energy sources</p>	<p>Political and societal decision-making is systemic, inclusive, long term and visionary</p> <p>All policy decisions consider systemic risks and warning signals related to sustainability, health and equity through the ubiquitous use of sustainability assessment tools.</p> <p>National quotas established for the use of resources and energy worldwide</p> <p>National policies for sustainable lifestyles are based on those quotas</p> <p>European network of renewable energy providers is established as renewable energy comes online in all EU countries</p>	<p>Governing the Commons: New political movements have gained power and show resilience in systemic approaches - "wikidemocracy", digital interest networks.</p> <p>Local Loops: Global networks link local loops</p> <p>Governing the Commons: Abandon 20th century institutions and top-down governance systems in favour of new bottom up collaborations.</p> <p>Empathetic communities: Communities, cities and towns govern vs. nation states. Shared and active use / care for public spaces.</p>
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Key pathway themes at a glance

- ✓ Sustainable economy commission ensures systemic policies and beyond GDP indicators that promote economic development competitiveness and socio-ecological benefits
- ✓ From a debt based economy to an economy that encourages savings to fund long-term investments in green economy sectors and innovations for sustainable living
- ✓ Testing new financial instruments and facilitating open dialogue between financiers and the public to restore trust
- ✓ Support for alternative economies, currencies, and new business models that support sustainable living

actual trend	2012-2015	2020	2025	2050	Key messages from scenarios 2050
--------------	-----------	------	------	------	----------------------------------

Economy and monetary systems: Support People & Sustainable Living

<p>Unsustainable monetary system. New evidence of distributed economies. Promising practice emerging in complementary regional currencies</p>	<p>- Creation of a Sustainable Monetary Systems Commission to support national governments in creating systemic policies combining economic development with socio-ecological benefits - EU establishes a legal framework in which regional complementary money systems can scale to connect underused resources with unmet needs - such as personal skills, community resources, and local authority assets</p>	<p>- 25% of all monetary transactions are in complementary currencies, linked to services and local models in the EU - Provisions to pay local taxes in regional currencies; pay percentage of salaries in local currencies; pay utilities and services in local currencies - Evidence of redistributed wealth creation from scaling of local currencies becomes evident and accepted as dual currency systems through wide-spread improvements in quality of life</p>	<p>- 50% of all monetary transactions are in complementary currencies linked to services and local markets in the EU - Provisions include systems of cash substitute smartcards, mutual credit accounting system, and community banks - 25% of businesses are trading in complementary currencies Evidence of local currencies' ability to reduce CO2 through the promotion of trading in closer proximities of communities</p>	<p>- Tax reporting requirements include converting existing local currencies to transfer credits - Acceptance of the state with detailed agreements on accounts for complementary currencies and internal controls</p>	
<p>Debt based monetary system</p>	<p>EC position paper outlines plans to move from a debt based economy towards a common based economy New economic models established based on savings (vs. debt) to fund long term investment</p>	<p>- European households save more and borrow less - Responsible lending institutions are proliferated - Peer to peer lending structures are formalised</p>	<p>The European economy has transitioned away from a debt based economy - in terms of both financial and natural capital</p>	<p>The European economy is fully connected with the global commons</p>	<p>Governing the commons: Control and management of the global commons.</p>
<p>Speculation and privatisation of basic needs</p>	<p>Tax on financial speculation. Review of privatisation of basic needs, (i.e. water, healthcare, education)</p>	<p>Legal frameworks established to deter financial speculation on basic needs (i.e. water, health, education, energy) and to ensure access for all</p>	<p>Income distribution reforms in public institutions explore maximum income caps across the EU and reductions in the gap between the lowest and highest salary ranges</p>	<p>Access to basic needs for all (food, housing, water, energy) considered a human right - financial speculation phased out</p>	<p>Local Loops: Meritocracy - Craftsmanship and professional communities</p>
<p>Unbalanced distribution of labour: Widening gaps between the employed and unemployed</p>	<p>Labour market reforms bolstered by public sector commitments to reduced hour work weeks (i.e. 25h/ week). Benefits and improvements to quality of life and well-being are monitored and communicated broadly</p>	<p>- 25h work week established as a standard for governmental institutions and starts to influence corporate labour reforms. - Labour reforms in public institutions show evidence of stimulating employment, creativity, and growth in alternative currency systems</p>	<p>Income distribution reforms in public institutions explore maximum income caps across the EU and reductions in the gap between the lowest and highest salary ranges</p>	<p>Income distribution reforms establish maximum income levels for all job categories. The gap between lowest and highest salary ranges capped at a factor of ten</p>	<p>Governing the Commons: 3D printing - Consumers control their own production - From mass consumption to self-creation - Alteration of lifestyles by molding and recreating identities - Peer to peer service economy has disrupted globalized world of multinational corporations</p>
<p>Few examples of ownership of workers in management and production</p>	<p>The EU actively promotes cooperative movements in all cities</p>	<p>EU support of cooperative models through policies that stimulate social entrepreneurship by default</p>	<p>Environmental and social externalities internalised into economic systems at 80%</p>	<p>Environmental and social externalities internalised into economic systems at 100%</p>	<p>Local Loops: Rise of logistics costs stimulates focus on local production - Local resources have new value</p>
<p>GDP focused growth based economies. Momentum starts to build for the internalisation of externalised costs not truly considered, including the true value of environmental and societal services</p>	<p>A rethinking of the GDP-based value system to include externalised indicators such as environment, well-being and quality of life.</p>	<p>Treaties established for the management of environmental and social externalities Establishment of an Environmental Limits Act 50% reductions in GHG achieved through investments in green economy sectors. Targeted investments to realize a 100% sustainable energy system by 2030 together with global trading partners</p>	<p>- 80% reductions in GHG achieved through investments in green economy sectors - Subsidies on fuel removed and inefficiencies disincentivised</p>	<p>Businesses create and distribute value. Consumers acquire, preserve and share value. Governments formalize market frameworks that support new role of business (value / inclusive). Civil society spots and address market failures. Eco Top 10 - use of stock exchanges</p>	<p>Governing the Commons: DIY manufacturing Local Loops: Technical concept of local and regional production systems</p>
<p>Limited investment in the infrastructure and sectors needed to drive sustainable development and sustainable lifestyles</p>		<p>New business models that enable sustainable living are rewarded: Access to goods and services are supported and incentivized as an alternative to ownership; cradle to cradle business models connect production to consumption; new technologies enable more sustainable communities; and sustainable supply chains foster SME infrastructure</p>	<p>- Incentives are introduced to foster innovation into new materials and production chains that address environmental and social impacts. - Government frameworks support inclusive business solutions. Incentives for rural populations and the informal sector reduces costs for governments and supports sustainable lifestyles.</p>		
<p>Business models that foster and enable more sustainable living</p>					



Key pathway themes at a glance

- ✓ Community re-design for the people by the people through collaborative innovation
- ✓ Skills for sustainable living become intrinsic elements of formal & informal education
- ✓ Understanding individual lifestyle behaviour diversity and making sustainable living easy becomes the innovation opportunity of the century
- ✓ Smart ICT accelerates the transition to 8000 kg sustainable lifestyle footprints

actual trend	2012-2015	2020	2025	2050	Key messages from scenarios 2050
--------------	-----------	------	------	------	----------------------------------

Social Innovation & Behavior change:

Opportunities in Understanding Diversity and Re-thinking the Good Life

<p>Citizen movements towards community initiatives gain momentum across the EU</p>	<p>Models of community self-sufficiency are explored and supported -- in terms of resources and new public-private linkages</p>	<p>Innovative urban and community planning processes are supported by policies -- with focus on participatory processes, equity and sustainability Assessment tools are extended to parliament (National and European)</p>	<p>- Products and services are designed for collective use and collaboration -Sharing centres are common in communities across the EU</p>		<p>Local Loops: Solutions and life improvements are focused locally vs global</p>
<p>The power of people's engagement: Non-governmental and civil society organisations foster debate on the need for meaningful change in values and norms in society to promote sustainable consumption values and encourage citizen engagement</p>	<p>- Proactive mechanisms for behaviour change that support more sustainable living lead to a more participative society (i.e. through immediate feedback and monitoring systems) - Support for coalition building amongst stakeholders and the academic community to foster the practical applications of scientific knowledge -Advocacy for alternative ways to measure societal development and economic progress rise on the political agenda</p>	<p>Smart ICT/technological innovation (web and mobile) play a critical role in building the infrastructure for large-scale, sharing communities of the future</p>	<p>- 80% of all European cities establish an inclusive and participatory budget commission open to all stakeholders -New indicators are implemented at the city level to measure societal development and overall wellbeing</p>	<p>European cities support sustainable living through strong social networks and pro-active, participatory decision-making open to all stakeholders</p>	<p>Local Loops: Energy crisis and scarcity has been a catalyst to re-evaluate lifestyles and wellbeing needs</p>
<p>Skills for sustainable living have not been adequately considered in formal and informal education systems</p>	<p>- Schools become multi-functional community centers and sharing platforms that promote healthy and sustainable lifestyles -Knowledge, learning and promising practice for sustainable living starts to be disseminated through the education systems -The sharing economy gains momentum across the EU and fosters increased awareness and interest in 'sharing' or having access to goods and services vs. owning them</p>	<p>- Sustainability and skills for sustainable living become an intrinsic element of formal and informal education - Community based skills and education projects for sustainable living fostered and supported -New business and trades skills - that will be needed in future sustainable societies - are explored at higher education and secondary education levels</p>	<p>-Education systems shift to active learning & cross curriculum learning -Teacher training promotes creativity -Students are encouraged to be curious, challenge, be creative -Co-creation of dynamic curricula based on dialogue between different actors in society and teachers Political decision on national resource use quota systems at International Resource Use Summit 2020</p>	<p>Students think critically, creatively, innovatively and are responsible citizens. Active learning is promoted and supported</p>	<p>Singular Super Champions: Learning, achieving, and self mastery. Universal access to education. Moral agreement for continuous development of skills for sustainable societies</p>
<p>Collaborative consumption models and the sharing economy emerge in a perfect storm of increased use of technologically enabled social networks, environmental awareness and the negative impacts of the financial crisis on households</p>	<p>- Increased visibility of individual lifestyle footprints (consumption levels and resource use) kick-starts pro-active individual initiatives to bring lifestyle footprints to more sustainable levels</p>	<p>-Most neighbourhoods have now established sharing centers & design labs -Products are built to last und can be repaired</p>	<p>- Most of goods are shared or leased and not owned -10 years of warranty on consumer goods</p>	<p>Former shopping malls are repurposed into community cultural centres</p>	
<p>-Deeper understanding of individual lifestyle diversity is required to develop a broad range of solutions and option that support changing behaviour -Addressing / overcoming unsustainable status symbols</p>	<p>- Increased awareness of health, well-being and equity is a societal leader for change - Media, communications and public campaigns are supported by policy to spotlight sustainable living experiments and "light house projects"</p>	<p>-Global best practice examples of sustainable living SPREAD to Europe (communicated via social network channels) and become fashionable and desirable - from food, to personal mobility homes, fashion and travel -Communications and advertising laws are updated to consider sustainable living practice and minimise the promotion of harmful products, services and substances</p>	<p>-Sustainable living is the new normal -Public and private communications campaigns only promote sustainable living on a daily basis and through all media and communication channels</p>	<p>Global Footprint Overshoot Day = 31 December (Europeans are living within the resource limits of one planet)</p>	



European
Research Area

EUROPEAN POLICY BRIEF



Emerging Visions for Future Sustainable Lifestyles.

Preliminary policy considerations from the SPREAD Sustainable Lifestyles 2050 European Social Platform project. Developing pathways to more sustainable living.

First Policy Brief, February 2012

INTRODUCTION

Societal innovation is vital to drive significant changes in the ways that we currently live if we are to increase quality of life for all while reducing the negative environmental and social impacts of human activity. Creativity is needed to achieve the widespread changes that will shift current unsustainable lifestyle trends, and that will provide resilient support systems and infrastructure to make difficult changes easier.

Sustainable lifestyles refer to patterns of behaviour shaped by personal and social interactions that are influenced by environmental, cultural technological and socio-economic contexts. Lifestyles that support future sustainable societies will need to accommodate human diversity and reflect different approaches to work-life balance and personal wellbeing. Future sustainable lifestyles support equity, efficiency and sufficiency in order to live within global resource limits. People are supported by systems and infrastructure that enable, maintain and sustain more sustainable ways of living.

The SPREAD Sustainable Lifestyles 2050, European Social Platform project fills a gap in current research by consolidating knowledge, identifying trends and promising practices, and envisioning possible sustainable lifestyle futures. A roadmap of action strategies for different societal actors will be developed, including 2012-2050 pathways to enabling sustainable living across Europe by 2050. This roadmap will support future research and policy agendas on the EU and national levels.

This document presents the project's preliminary findings. It provides policy considerations from our review of existing knowledge and examples of current promising practice. It presents four alternative and emerging visions of future sustainable lifestyles, and it explores the drivers, barriers and gatekeepers that may help or hinder the proliferation of more sustainable living options.

A final policy brief will be delivered at the conclusion of the project, in December 2012, and will include concrete policy recommendations.



European
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EUROPEAN POLICY BRIEF



SPREAD Sustainable Lifestyles 2050

Roadmap: The Transition to Future Sustainable Lifestyles.

Policy recommendations for the development of pathways to more sustainable living in Europe from today to 2050.

Final Policy Brief, November 2012

INTRODUCTION

The SPREAD Sustainable Lifestyles 2050 European social platform project has been a two-year inquiry that has engaged stakeholders from across Europe – from business, research, design, policy, civil society and citizens – who have participated in the development of a vision and scenarios of future sustainable societies. The social platform has identified inspiring examples of more sustainable living practices around Europe and has developed a EU Action Roadmap of possible actions to enable the transition to more sustainable ways of living by 2050.

The EU Sustainable Lifestyles Roadmap & Action Plan 2060 is the final deliverable of the SPREAD project.

The Roadmap integrates the following SPREAD project research and deliverables:

- > Qualitative and quantitative indicators and drivers of current unsustainable European lifestyle impacts on the environment, society and individual wellbeing.
- > Examples of current initiatives and ways of living that reveal promising solutions to current lifestyle impacts.
- > Four scenarios of future societies where current challenges to sustainable living have been overcome, sustainable lifestyles are the norm, and supported by society.

The SPREAD EU Action Roadmap towards sustainable lifestyles aims to complement the suite of roadmaps that have been presented by the European Commission as of 2011 in the fields of energy, transport, low carbon, and resources. The SPREAD roadmap focuses on individual citizens and how they live in their homes, use different means of transport, consume, or spend their leisure time.

Schritt 6

Zukünftige Forschungsagenda, um nachhaltige Lebens zu unterstützen



Nachhaltige Lebensstile ermöglichen *Wissenslücken & Herausforderungen für die Forschung*

- The economic system
- Policy frameworks
- Infrastructure & spatial planning
- ICT & social media
- Social institutions
- Collective actions
- Individual behaviour
- Governance processes
- New research approaches

Nachhaltigkeitsziele in den Alltag übersetzen



**Bürger müssen den Wandel anstoßen
Sozial- mit Umweltwissenschaften verbinden**

Innovationsmöglichkeiten für gesellschaftliche Akteure

POLICY & GOVERNANCE PATHWAY 2012 – 2050

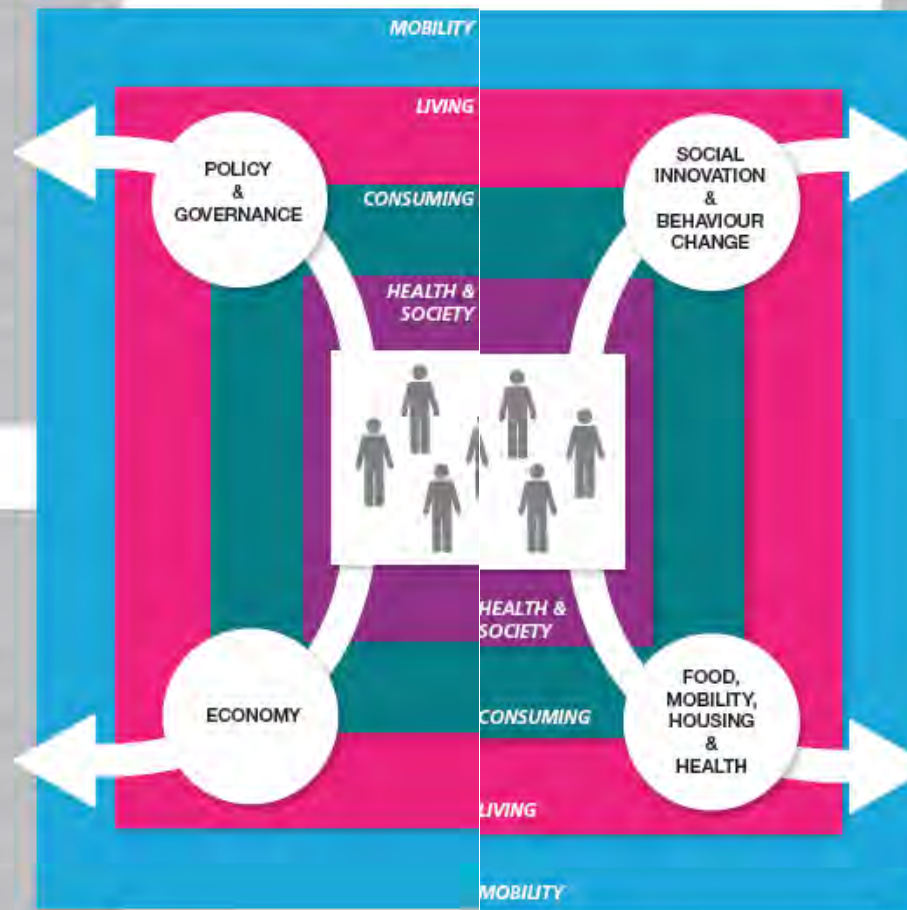
Systemic inclusive and participatory governance and policy decision-making

- Human centred, systemic and participatory approaches to policy making to promote sustainable living
- Individual resource consumption targets incentives and rewards (towards 8 000 kg lifestyle footprint)
- Improvements in policy assessment tools to identify milestones of achievements towards more sustainable living
- National ombudspersons for future generations and parliamentary committee on "protecting the future"

ECONOMY PATHWAY 2012 – 2050

Economies and monetary systems support people and enable sustainable living

- Sustainable economy commission ensures systemic policies and beyond GDP indicators that promote economic development, competitiveness and socio-ecological benefits
- From a debt based economy to an economy that encourages savings to fund long-term investments in green economy sectors and innovation for sustainable living
- Testing new financial instruments and facilitating open dialogue between financiers and the public to restore trust
- Support for alternative economies, currencies, and new business models that support sustainable living



SOCIAL INNOVATION & BEHAVIOUR CHANGE PATHWAY 2012 – 2050

Opportunities in understanding sustainable lifestyle diversity & re-thinking the good life

- Community re-design for the people by the people through collaborative innovation
- Skills for sustainable living become intrinsic elements of formal & informal education
- Understanding individual lifestyle behaviour diversity and making sustainable living easy becomes the innovation opportunity of the century
- Smart ICT accelerates the transition to 8 000 kg sustainable lifestyle footprints

CONSUMING, MOBILITY, LIVING, HEALTH & SOCIETY PATHWAYS 2012 – 2050

Sustainable diets, public mobility, smart housing and healthy living

- "Re-boot" of individual diets, household food waste and the food production system
- Human-centred lifestyle approach to urban planning and the transition to ubiquitous zero-net energy homes
- Right-sizing individual mobility needs by providing safe, equitable, accessible and sustainable choice
- Sustainable societies that support 8 000 kg lifestyles integrate environmental sustainability with health, wellbeing and social equity

Partizipative Ansätze – Wachstumsalternativen – Diversität

Wettbewerbsfähigkeit beginnt mit Menschen



CURRICULUM VITAE

NAME

Juha Minvonen

PAY

A solid salary and all veggies and fruits that I need.

HOURS

Depending on the time of the year, it can be up to 60 hours a week.

WORK-LIFE BALANCE

When the harvesting needs to be done, work can sometimes be overwhelming. However, I enjoy it a lot to be in the nature, so I don't mind.

BEST THING

The taste of the first ripe tomatoes.

WORST THING



CURRICULUM VITAE

NAME

Elain Ho

PAY

Enough to cover my costs!

HOURS

Per week 24 hours for BoE and 20 hours as a voluntary community advisor

WORK-LIFE BALANCE

As I support my local community I can be part of the changes that are taking place. Being part of this change makes me feel like I am not really working!

BEST THING

Being able to help people make difficult but important decisions. This can be very rewarding.



CURRICULUM VITAE

NAME

Ilan Yael

PAY

From the supermarket, 'Fundé' and donations for my music

HOURS

I work 20 hours in the shop and the rest of the time I concentrate on my music

WORK-LIFE BALANCE

It's a very good balance because I am always active and with other people which gives me plenty of energy and ideas.

BEST THING

The freedom to be able to develop my own work, pay my bills with something I know is useful for others and having a



CURRICULUM VITAE

NAME

Kelly Newsome

PAY

A lot of the work isn't paid as it involves research and work in communities. In return I get free working spaces and volunteer support

HOURS

Flexible

WORK-LIFE BALANCE

In a job like this your life becomes your work and vice-versa

BEST THING

The very broad and diverse network of colleagues and partners ranging from retailers, designers, researchers, engineers and local community members

Fähigkeiten für nachhaltige Gesellschaften



Einführung in die Globalen Netzwerke



Globale nachhaltige Lebensstile



Finanziert beim Deutschen Ministerium für wirtschaftliche Zusammenarbeit und Kooperation (BMZ), tragen die Projekte zur Identifikation und zum Beitrag globaler Bemühungen zu nachhaltigen Lebensstilen bei:



Sammlung von **100 Big Ideas** für nachhaltiges Leben. Diskussion mit stakeholders in **5 Städten**, Zusammenführung im **Global Network towards Sustainable Lifestyles**



Bildung eines Rahmens für **Aufskalierung von Innovationen**. Aufzeigen von **5 Erfolgsfaktoren**, die 100 Unternehmen mit nachhaltigen Praktiken aufweisen. Veröffentlichung der Ergebnisse im **Global Network for Sustainable Innovation and Entrepreneurship**

Globale Pilotstudien





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FEATURING PROJECT PUBLICATION

Outcomes of the workstudio in Bogota, Colombia. December 3, 2012. English version



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13

FORUM

- Let's get started!**
 Started by [Ginnie Guillen \(Network Host\)](#) in [General Forum](#). Last reply by [eusebio manuel vestias pecurto](#) 17 hours ago.
 8 Replies 1 Like
- Request for opinion**
 Started by [Nur Hazirah Aqilah Ramli](#) in [General Forum](#). Last reply by [Ginnie Guillen \(Network Host\)](#) Feb 11.
 2 Replies 3 Likes
- Are you living sustainably today? How? if not, what do you need?**
 Started by [Ginnie Guillen \(Network Host\)](#) in [General Forum](#). Last reply by [Nathalie Spittler \(GNSL Team\)](#) Feb 25.
 1 Reply 2 Likes
- The future of higher education... is it virtual?**
 Started by [Ginnie Guillen \(Network Host\)](#) in [General Forum](#). Last reply by [Ginnie Guillen \(Network Host\)](#) Mar 1



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Collaborating towards Sustainable Lifestyles through Innovation
Bogota workstudio - 3 December 2012



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 Ibrahim Mamma, Christian Schmitt, SLAMA ABDELKADER and 1 more joined Global Network on Sustainable Innovation and Entrepreneurship



23 minutes ago

 SLAMA ABDELKADER updated their profile photo
9 hours ago

 Daniel Duarte (Network Assistant) posted an event





Herzlichen Dank für Ihre Aufmerksamkeit!

Cheryl Hicks, Sustainable Lifestyles Team Leader CSCP
www.scp-centre.org

Basel Schweiz– 27 November 2013