

Implementation of the UN Agenda 2030 – pathways to sustainable development

24.5.2018

IVL Tillståndet i miljön

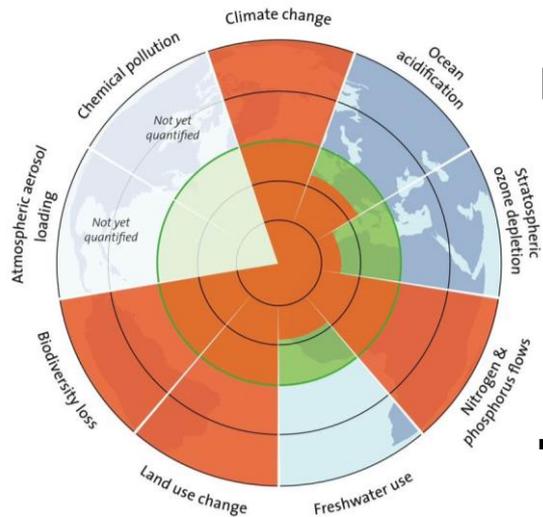
Eeva Furman

Finland's miljöcentral SYKE

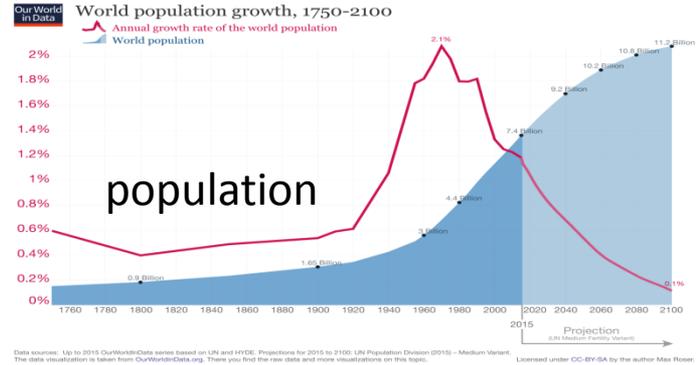


S Y K E





planetary boundaries

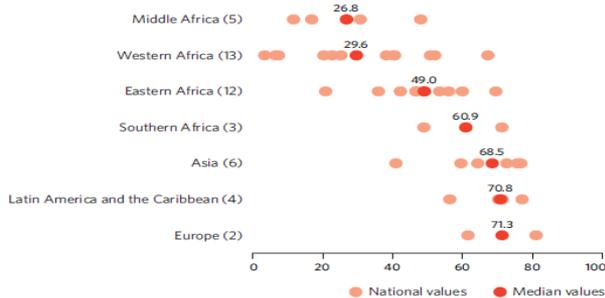


population

The world is not sustainable....

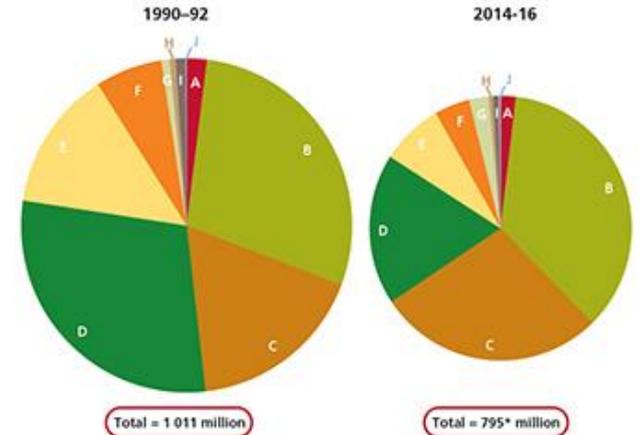
Developed from Rockström et. al 2009 and Steffen et al. 2015

Proportion of women aged 15 to 49 years (married or in union) who make their own informed decisions regarding sexual relations, contraceptive use and health care, 2007-2015 (latest available) (percentage)



Note: The figure reflects available data from 45 countries (covering 7 per cent of the world's population) over the period 2007-2015. The number of countries represented in each region is in parentheses.

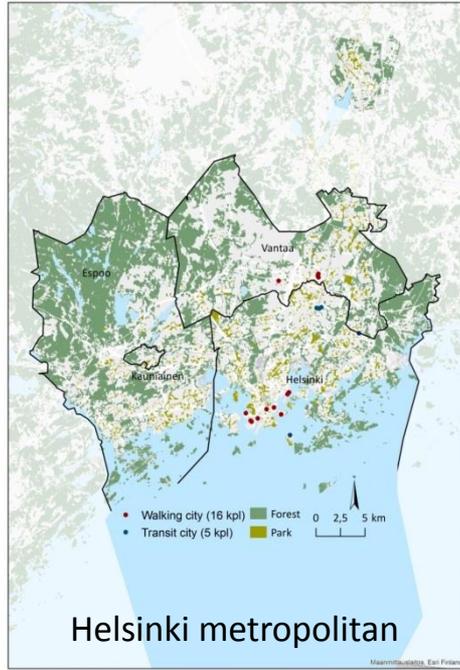
independence of women



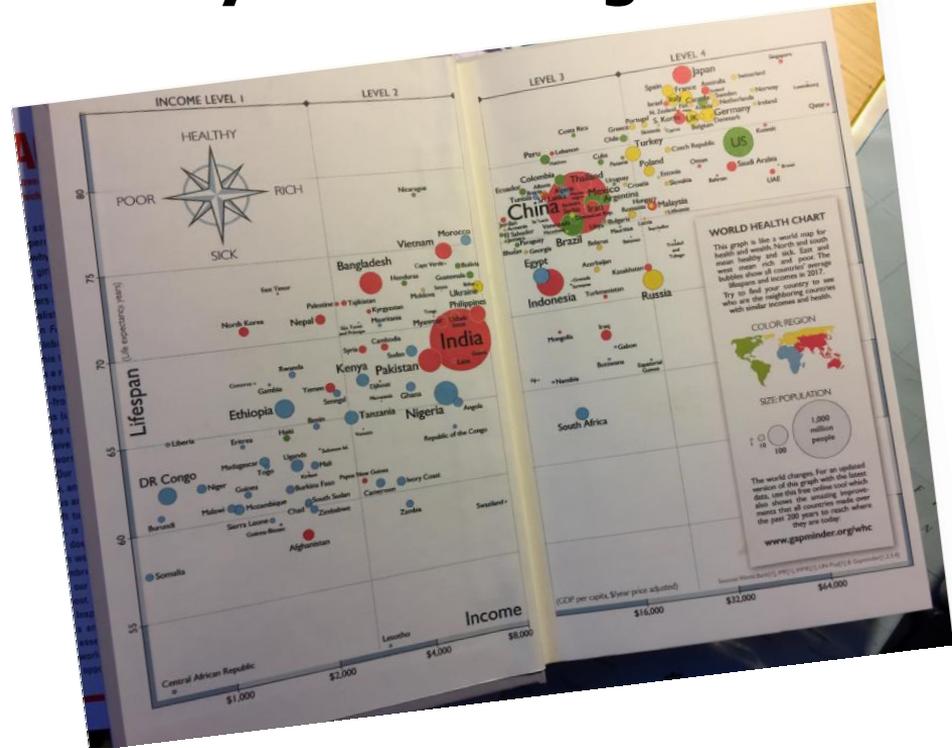
hunger

On the other hand, much good still exists and for many things humanity has made great progress...

Paloniemi, Tiitu & Viinikka SYKE



Green infrastructure in Nordic cities



Many countries have made their way from extreme poverty

Rosling et al. Factfulness, 2018

A close-up photograph of a snail with a brown and tan shell resting on a dark, mossy forest floor. The background is filled with various types of tree roots and fallen leaves, creating a complex, natural setting. The lighting is soft, highlighting the texture of the snail's shell and the surrounding environment.

*If there is not justice for
everyone, there is justice for no
one*

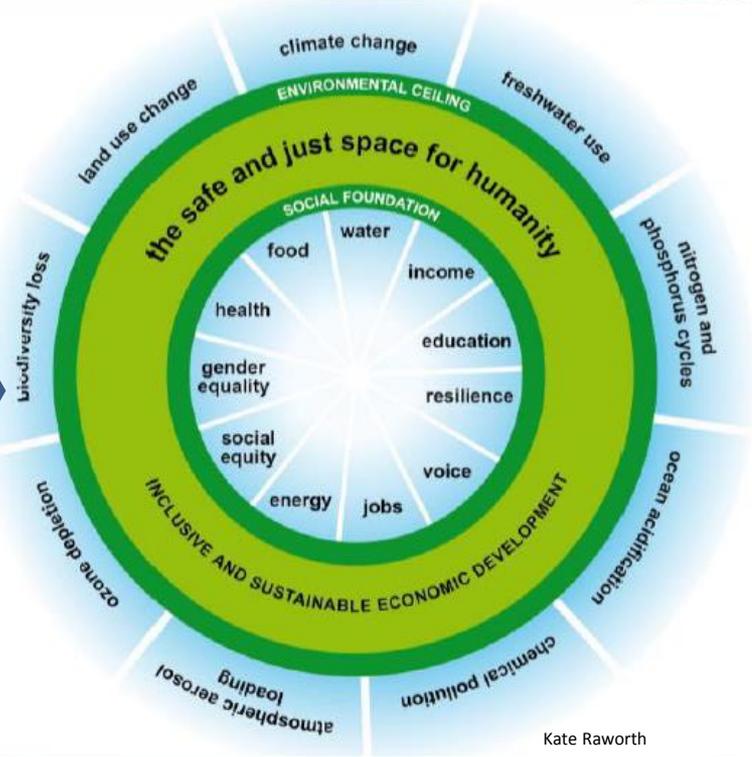
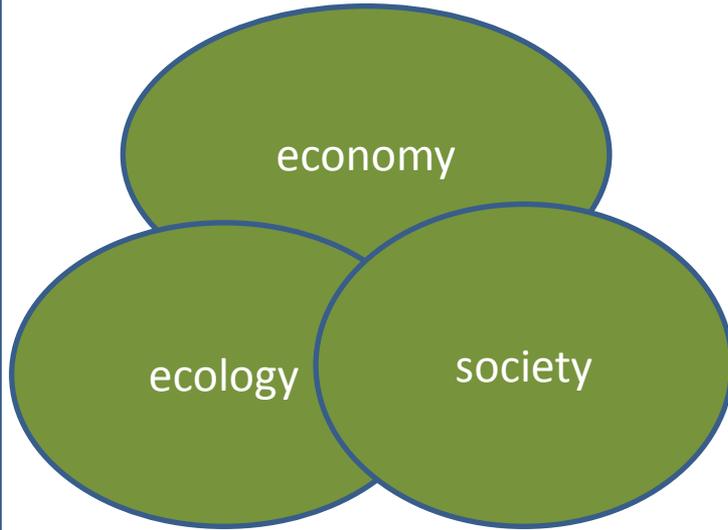


So what is new in the Agenda2030?

The Secretary-General of the United Nations is the depositary of more than 560 multilateral treaties which cover a broad range of subject matters such as human rights, disarmament and protection of the environment.

Planet Earth and its ecosystems – Partnerships – Mother Earth

Integration



Interaction

All countries commit to act – Universality – No one is left behind



Could the Agenda2030 framework bring a new angle and new solutions...



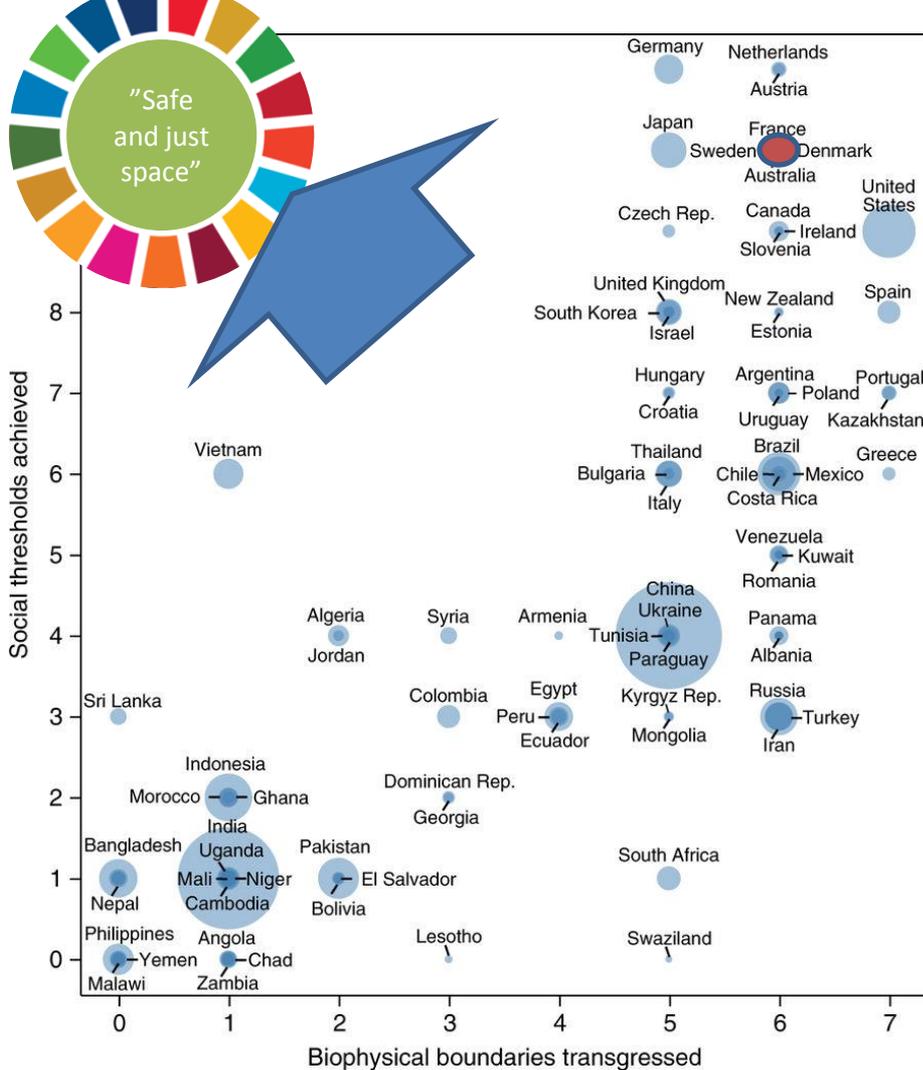
...to the locked up issues with conflicting interests in Sweden and globally?

**TRANSFORMATIONS – WAYS TO
TACKLE ARISING PHENOMENA**



**AGENDA2030 – A VISION
FOR HUMANITY IN THE
ANTHROPOCENE**

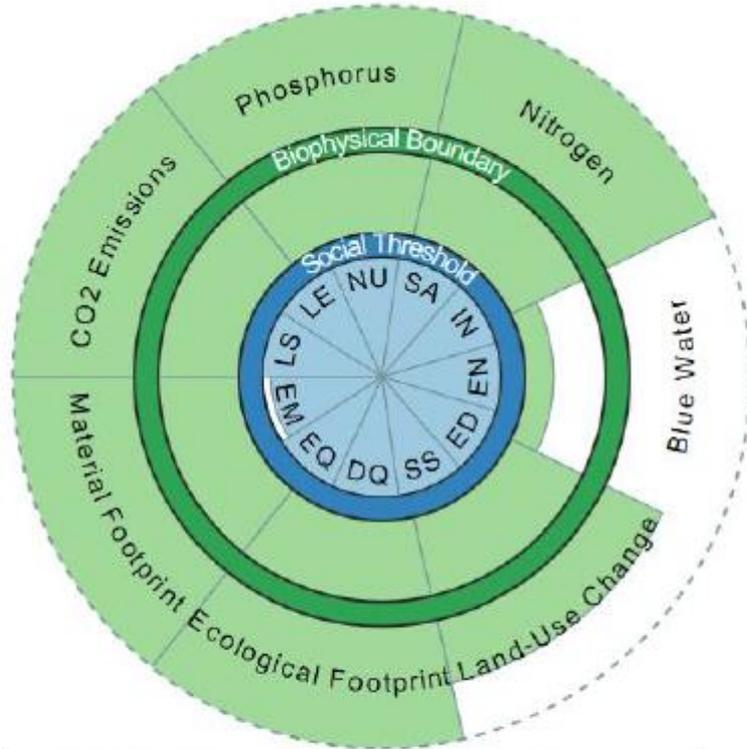
**KNOWLEDGE –
SCIENCE AND
BEYOND**



How are countries scoring today on SDGs?

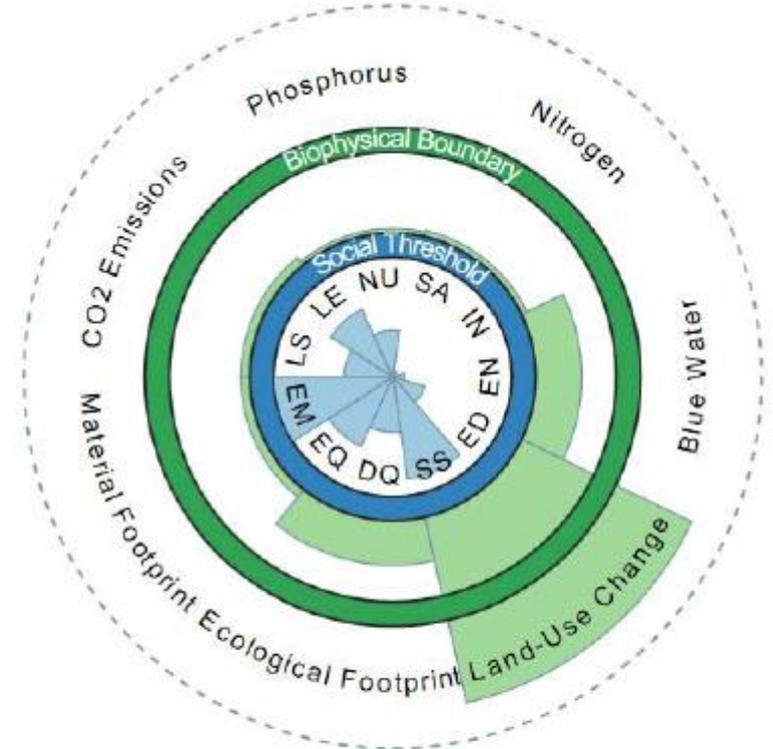
O'Neill et al. (2018) in Nature Sustainability

Sweden



LS - Life Satisfaction	ED - Education
LE - Healthy Life Expectancy	SS - Social Support
NU - Nutrition	DQ - Democratic Quality
SA - Sanitation	EQ - Equality
IN - Income	EM - Employment
EN - Access to Energy	

Madagaskar

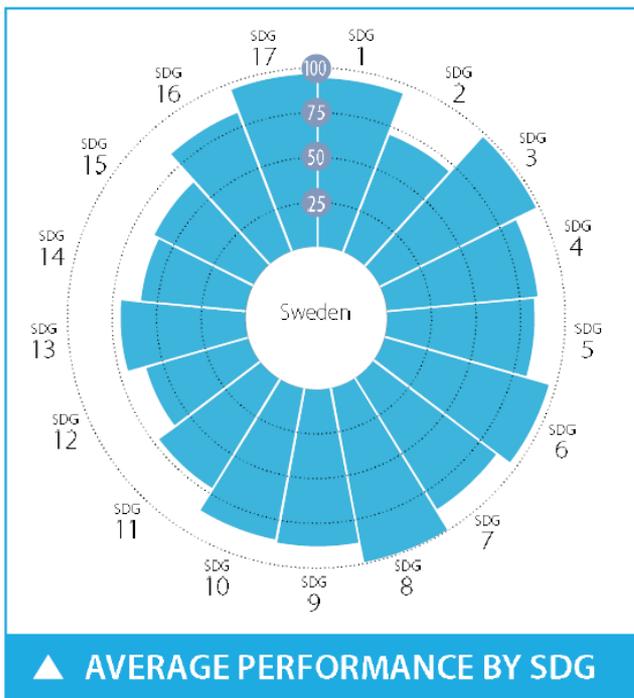


Challenges vary between countries

O'Neill et al. (2018) in Nature Sustainability

How does sustainability of countries look like, when based on spillovers?

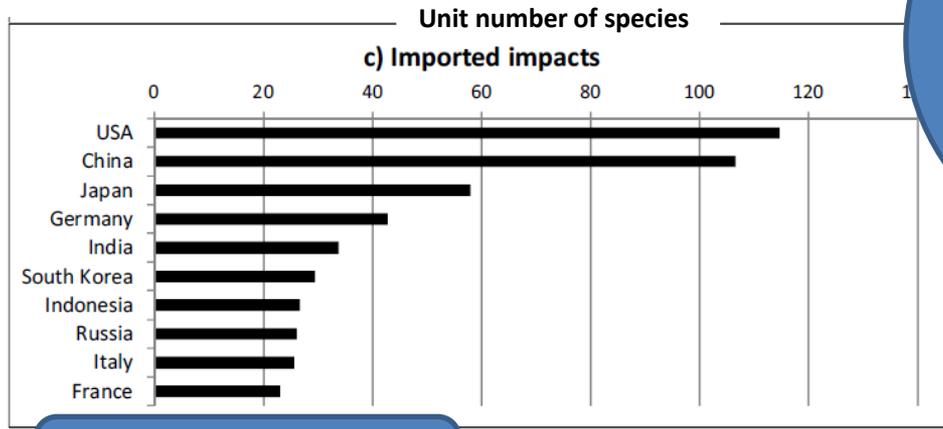
On SDGs: Sweden no1



spillovers=
impacts on other countries
(environmental, economy, trade and
governance, security)



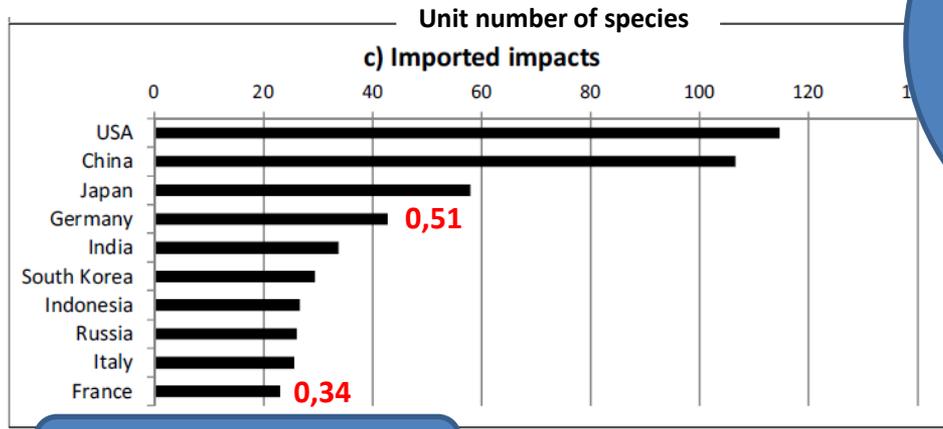
Top ranking countries with biodiversity impacts due to imported food



Sweden 4,43
Finland 2,88

In eg. Sweden, Finland, Germany and France, 80-99% of biodiversity impacts occur through imported items

Top ranking countries with biodiversity impacts due to imports.



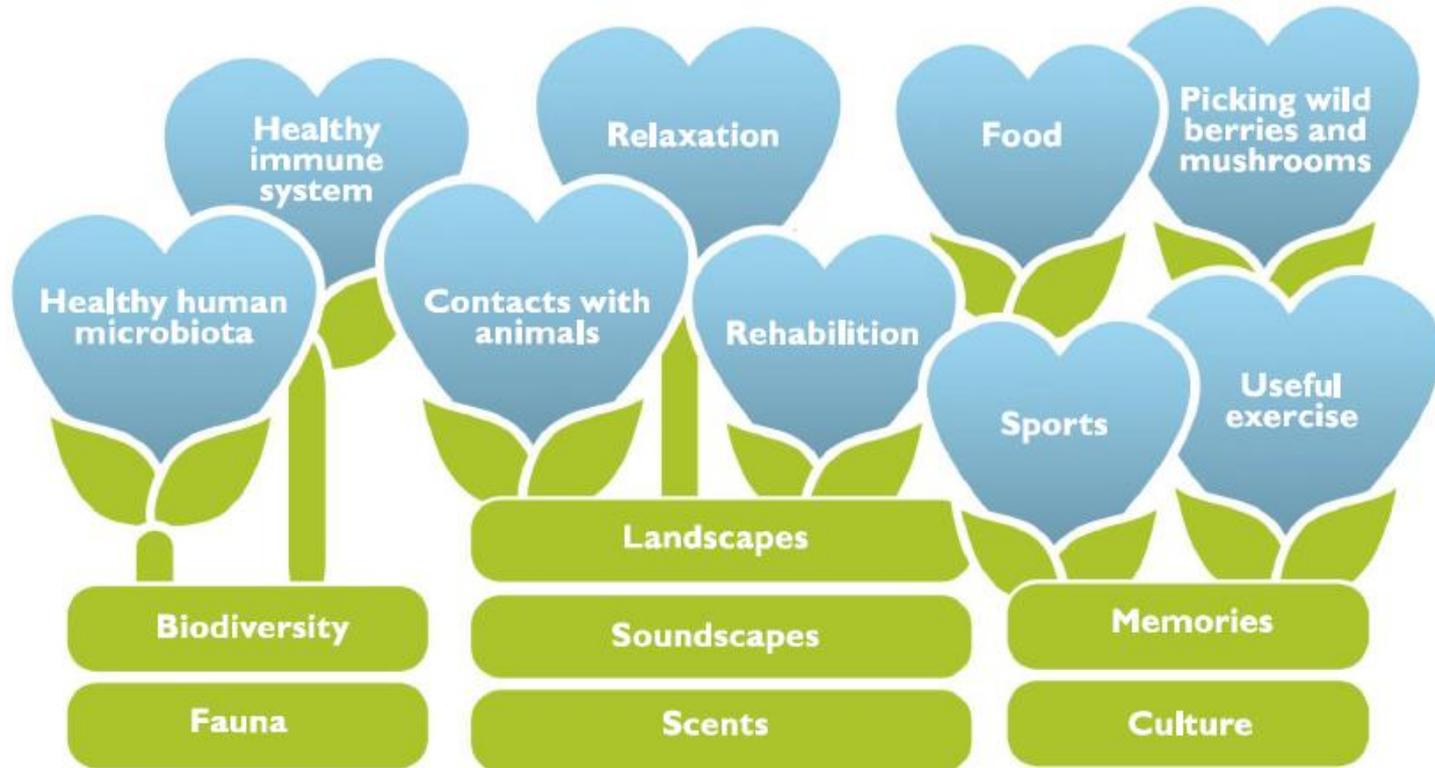
Sweden 4,43 (0,44)
Finland 2,88 (0,53)

In eg. Sweden, Finland, Germany and France, 80-99% of biodiversity impacts occur through imported items

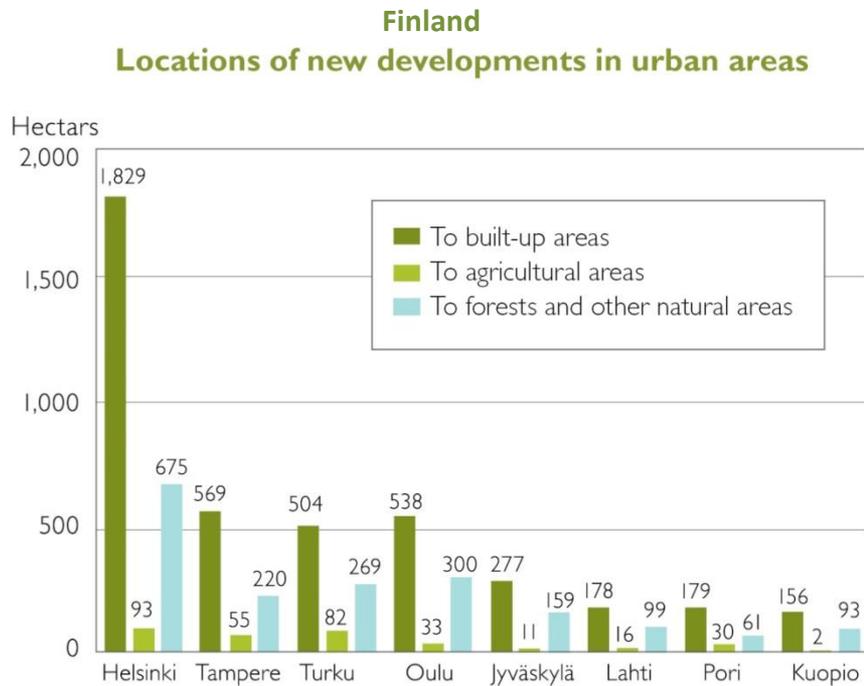
Example of interlinkages

Health and biodiversity

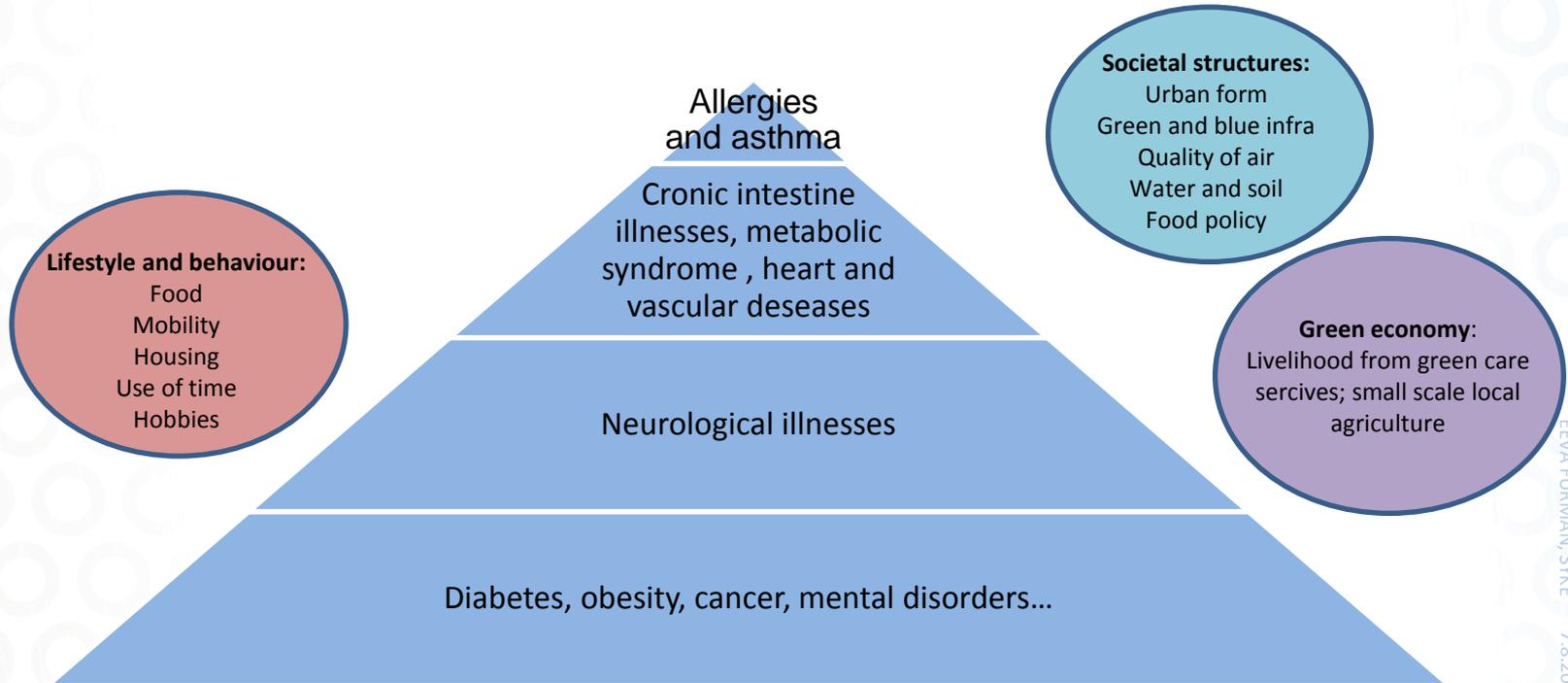
Biodiversity promotes health holistically



Urbanisation: lifestyles and green infrastructure change -> connection to nature breaks



Inflammatory diseases and maintenance of health



modified from Haahtela, 2013



Exposure of pregnant women and children to nature most crucial - but to maintain the effect, contact important all life through to old age



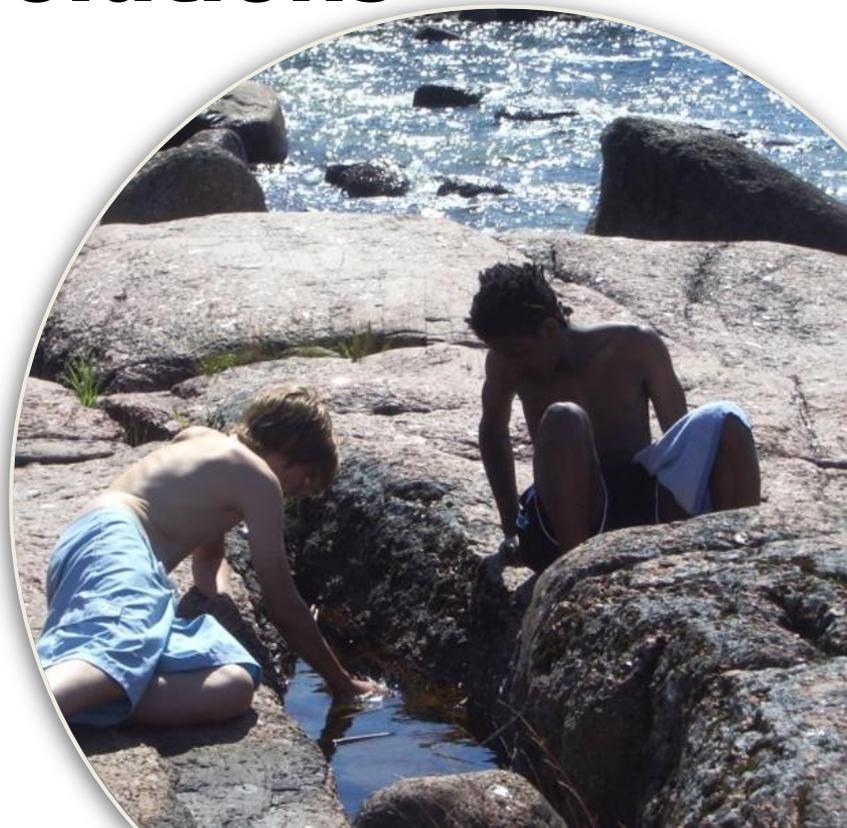
Holistic approach by actively using green spaces especially in the urban context



Links to SDGs



Transformations for solutions

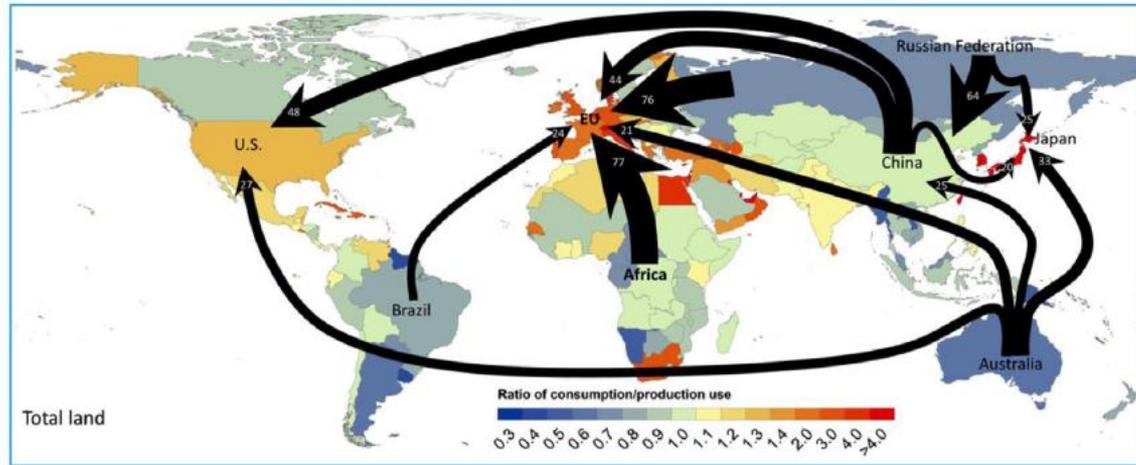


1. Innovative mechanisms are needed in bilateral and global governance

- Decide together on the use of the commons such as natural capital (co-management)
- Refugees, epidemics, shared rivers, climate, arctic...



2. Multilevel and global rules for dealing with flows

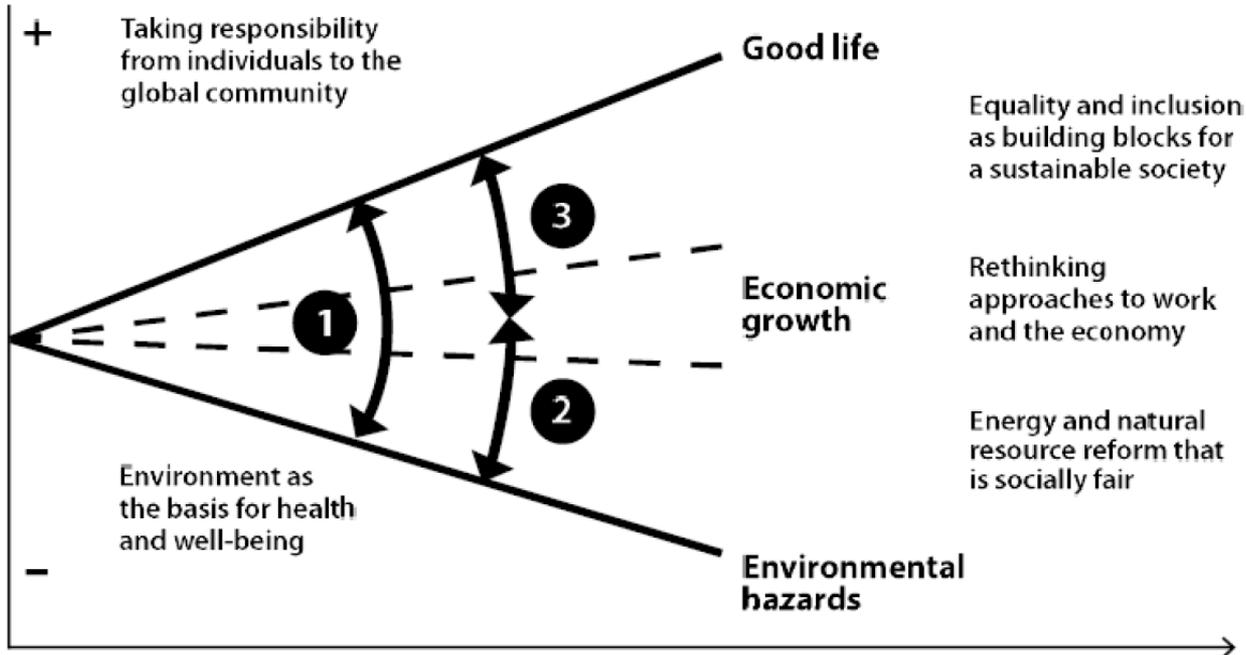


Yu et al. 2013

- Present action is unjust and distorts national strategies for striving towards sustainable development
 - Environmental impacts arise in both ends of the flows , and in different pace
- Joint efforts needed by the business and public sector, and civil society**
-> companies can play a leading role in changing practices!

3. Mainstreaming sustainable development in national policy framework

Key focus areas of sustainable development



4. Action on local level

- Plenty of potential for radical innovations when encouraged and rewarded
- Joint governance and joint rules for local level
- Experiments, their evaluation and potentially dispersal
- Moving from participation to joint experimentation, acting in groups, learning in groups, changing routines in groups
- Businesses can act as engines for changes in practice



Effective paths towards sustainable development

- food • water • oceans • ecosystem services • cities • energy • health • education • epidemics • labour • climate change • land use



Business models towards sustainable development



www.alamy.com - FAMWJ4

Models in the spirit of

- Sharing economy
- Circular economy
- Longevity

New concepts of work

Social innovations

- Entrepreneurship with low threshold
- Societal entrepreneurship

Green jobs

- Cleantech & circular economy

The screenshot shows the helpdor website. At the top, the logo 'helpdor' is on the left, and navigation links 'Löydä osaaja', 'Miten Helpdor toimii?', 'Etikö tölitä?', 'Yrityksille', 'Yhteystiedot', and 'In English' are on the right. The main banner is blue with a green sunburst graphic and the text: 'Please tell us how we can help, where and when. Helpdor is a one-stop-shop for services.' Below this, contact information is provided: 'Call us 050 501 8205' and 'Email us support@helpdor.com'. A 'Home' link is visible. Below the banner, there are six service cards arranged in a 2x3 grid. The first row includes 'Cleaning' (29 €/h*), 'Housekeeping' (29 €/h*), and 'Pet Sitting' (29 €/h*). The second row shows three more service images: a person in a blue uniform working outdoors, two people in blue uniforms on a ladder, and a person in a white shirt and blue overalls working on a sink.



Tack!

www.syke.fi

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