Innovations and Creativity in Climate Education Climate University seminar at Aalto University Otaniemi, 2 Feb 2020





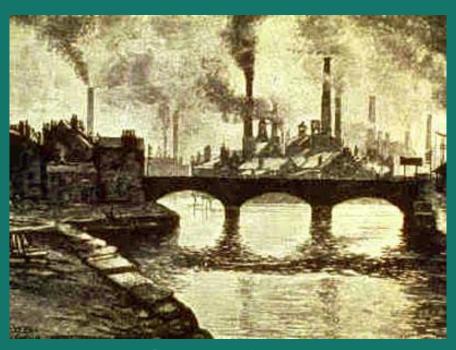


The 1.5-Degree Lifestyle Puzzle

Michael Lettenmeier
D-mat ltd. / Wuppertal Institute / Aalto University

Salla Lahtinen D-mat ltd.

One of the biggest lifestyle changes we know



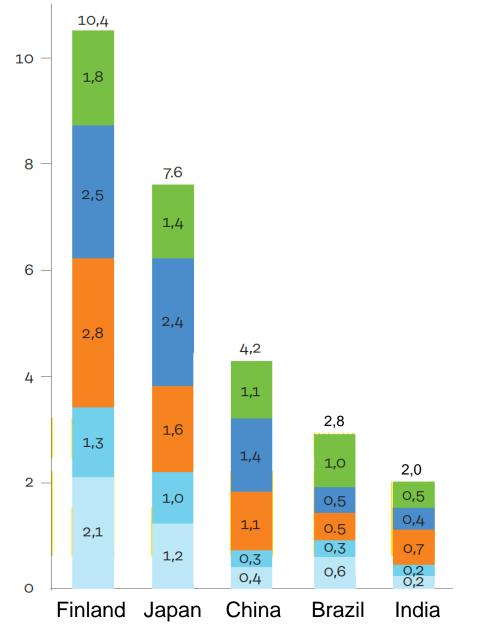


- by design or by disaster?

Lifestyle Carbon Footprint from 10+ tonnes...





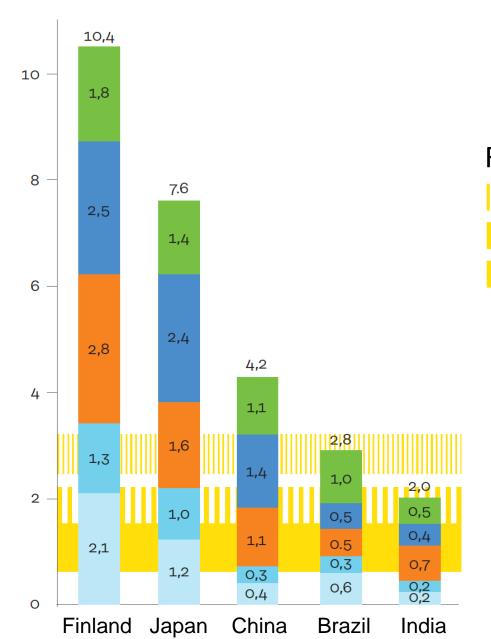


- Nutrition
- Housing
- Mobility
- Goods
- Leisure and services

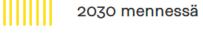
IGES et al. 2019

...to below 3...2...1 tonnes





Reduction targets for 2...1.5 degrees



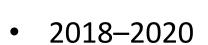


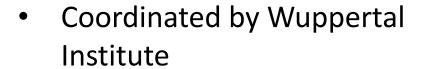
- 2050 mennessä
- Nutrition
- Housing
- Mobility
- Goods
- Leisure and services

Sustainable Lifestyles Accelerator









- KR Foundation funding
- Finland, Denmark,
 Germany, Switzerland,
 Spain, Mexico, India













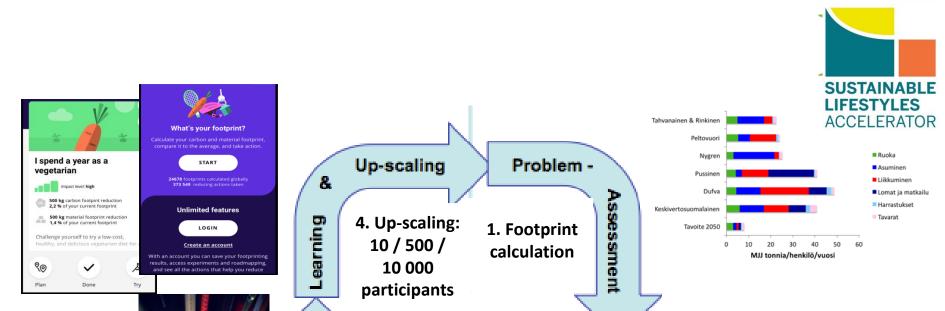




Footprint - Roadmap - Experiments - Up-scale



Wuppertal Institut





3. Onemonth experiments

Experiments

2. Choosing actions into roadmap

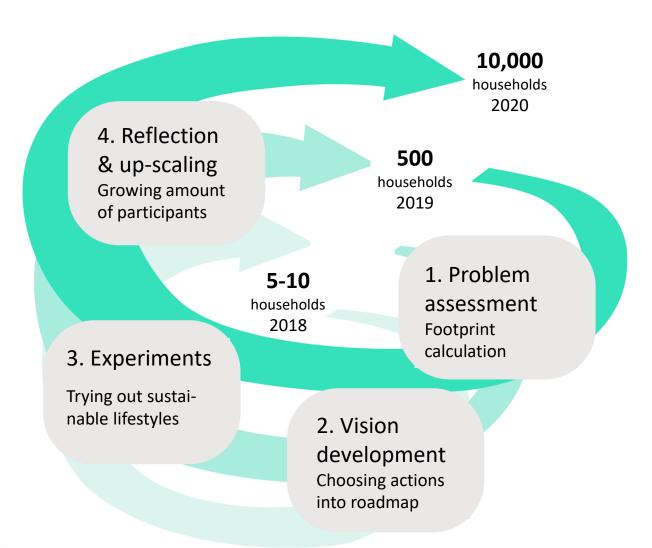
Vision

Development



From 5 to 10,000 households







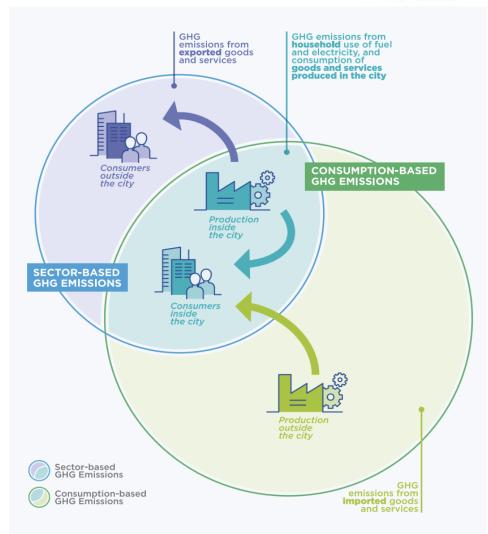
From territorial emissions to consumption footprints





C40 report reveals the relevance of footprint aspect

"... emissions calculated on the basis of consumption are much greater than sectorbased emissions..."



www.c40.org/researches/consumption-based-emissions

Housholds – municipalities – companies







- 2018: City of Porvoo: 8 households
- 2019: 14 Finnish municipalities: 500 households
- 2020: Webtool to activate 10,000 households per country

Lighthouse families

- role model
- bottelnecks

Experiences, stories, examples, wishes

Direct feedback for municipalities to implement measures

Local and global business from sustainable lifestyles

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The 1.5-Degree Lifestyle Puzzle

Michael Lettenmeier, Salla Lahtinen and Sonja Nielsen Aalto University and D-mat ltd.

Objectives





- Applying and verifying the 1.5 degree lifestyles framework in practice
- Testing the option-based approach
- Bringing in the human perspective
- Identifying the actions where households need help from the public and private sector
- Ultimately, inspiring households and other actors to move towards and to enable low-carbon lifestyles

CONCERNS:

Does this even have an impact?

How much do I have to reduce? What options do I have?

What more can I do?



Background







MYTHS:

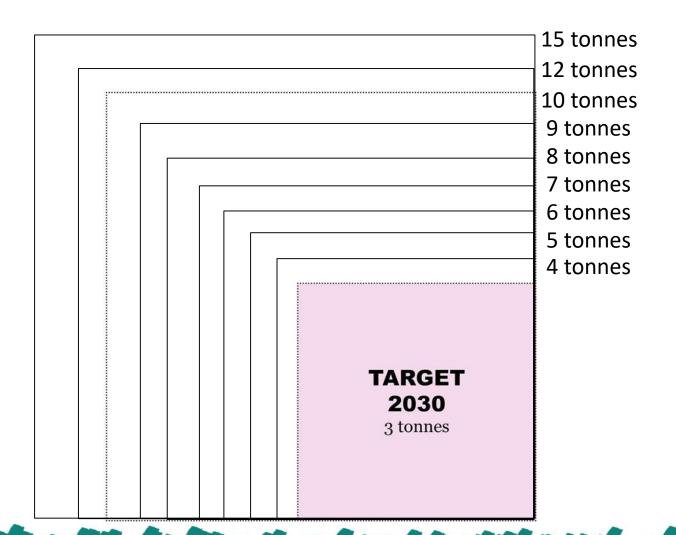
More ecological life = Reducing life quality

One person cannot do much, it doesn't matter what I do

"I'm recycling so I'm well off"

1.5-Degree Lifestyle Puzzle: the start

Mark the size of your footprint on the board





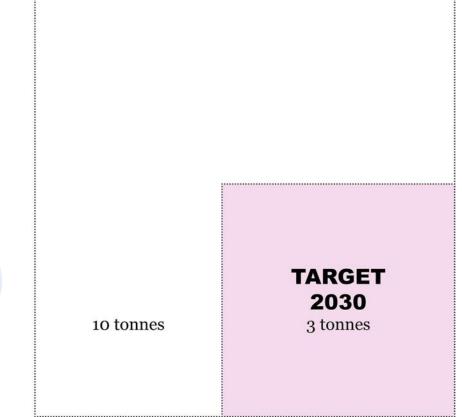




The gap between your present carbon footprint and the target







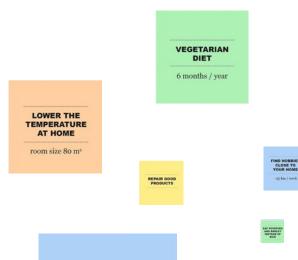


Actions of different size = actions of different footprint impact









REDUCE FLYING TIME -10 hours / year









Fill the gap with actions!

Choose your actions for the next 10 years out of 100 actions in different scales







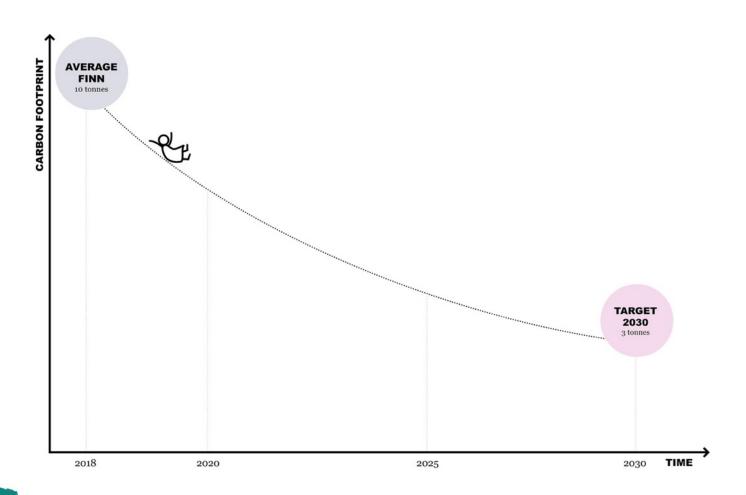


The timeline from now to the target year 2030







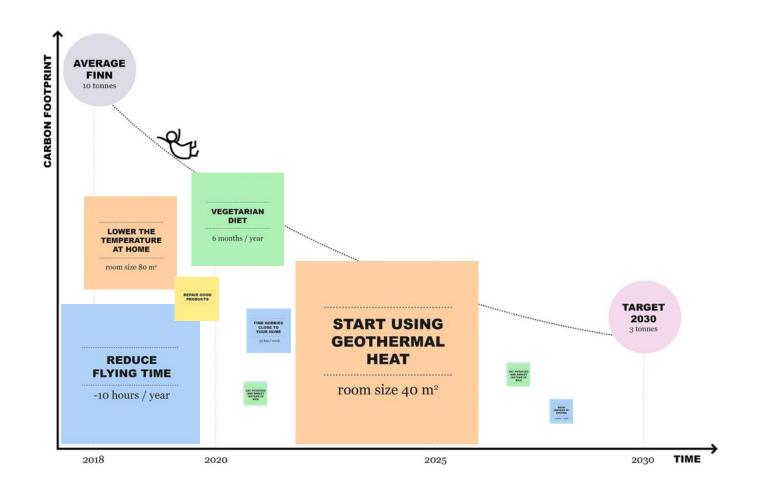


Place your actions chosen on the timeline







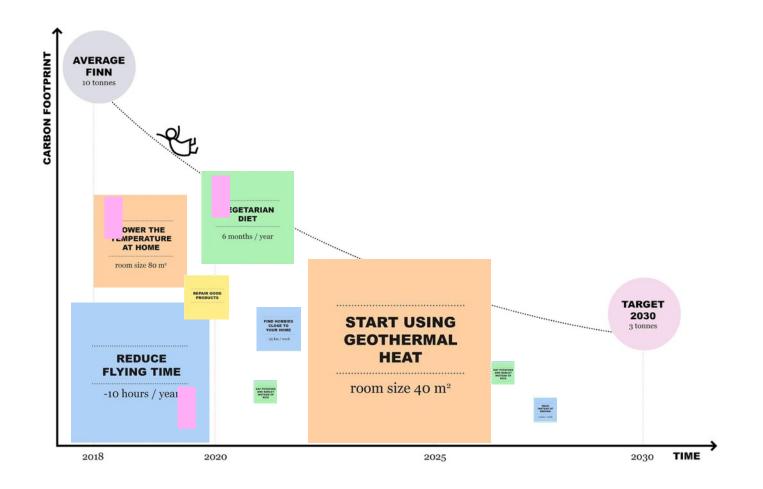












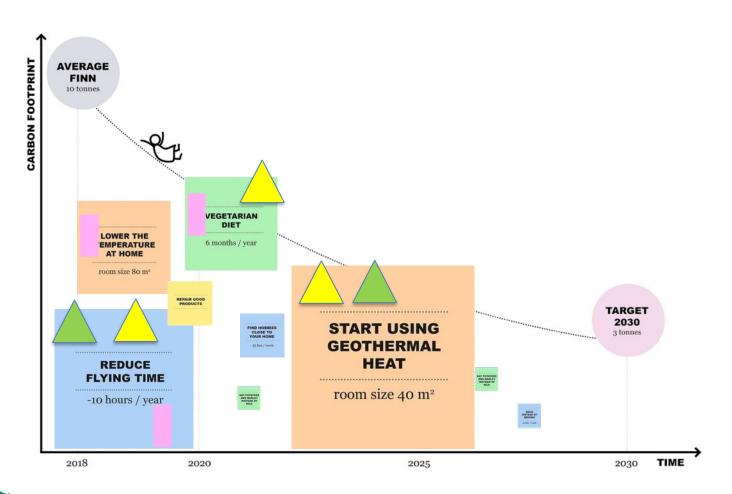
How should governments and companies help realize the actions you chose?

D-mat

















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