

Co-designing as co-futuring: Tonttila, a community case study in the City of Lahti

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1. Defining co-design
2. Co-designing a design strategy
with Lahti
3. Tonttila – Designing with a Finnish
community
4. What next?

1. Defining co-design

Co-design is inclusive

... an approach predicated on the concept that people who ultimately use a designed artifact are entitled to have a voice in determining how the artifact is designed

Adapted from Carroll (2006)

Co-design is inclusive

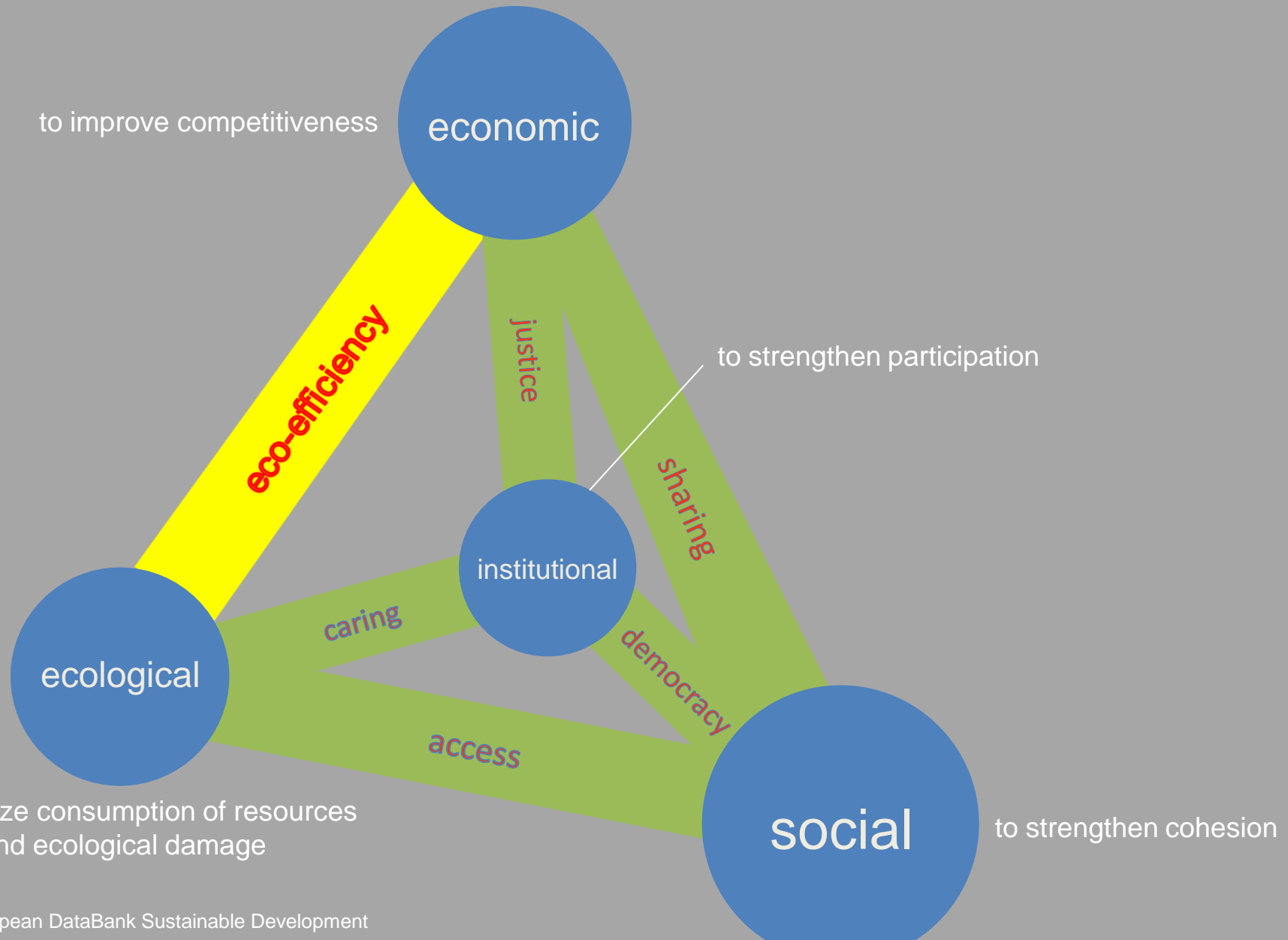
... an approach predicated on the concept that people who ultimately use a designed artifact are entitled to have a voice in determining how the artifact is designed

Adapted from Carroll (2006)

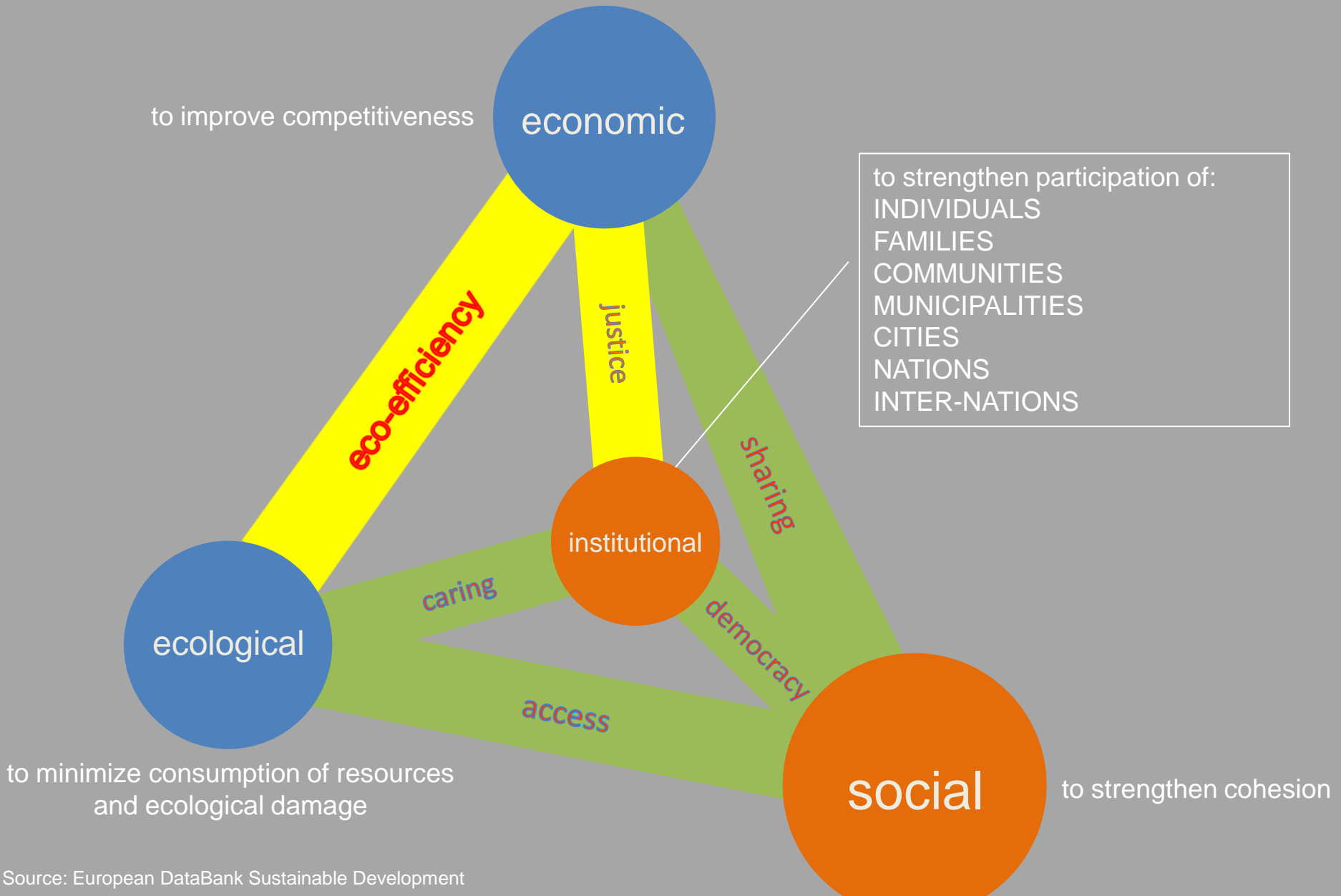
... is inclusive, encompassing, collaborative, co-operative, concurrent, human-centred, participatory, socio-technical and community design among others

CoDesign: International Journal of
CoCreation in Design and the Arts,
Taylor & Francis

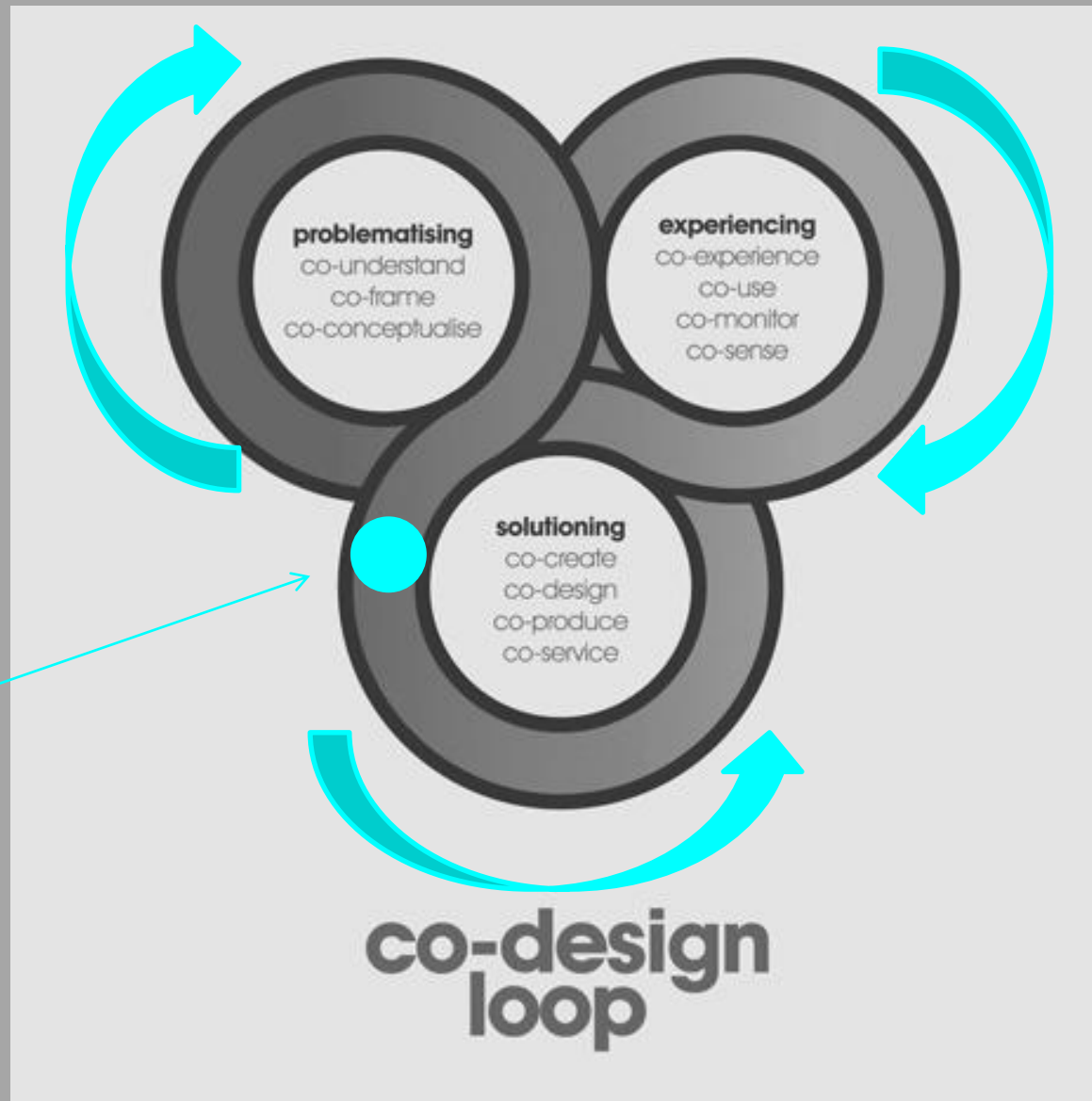
Co-design for co-futuring sustainability



Co-design is about PARTICIPATION

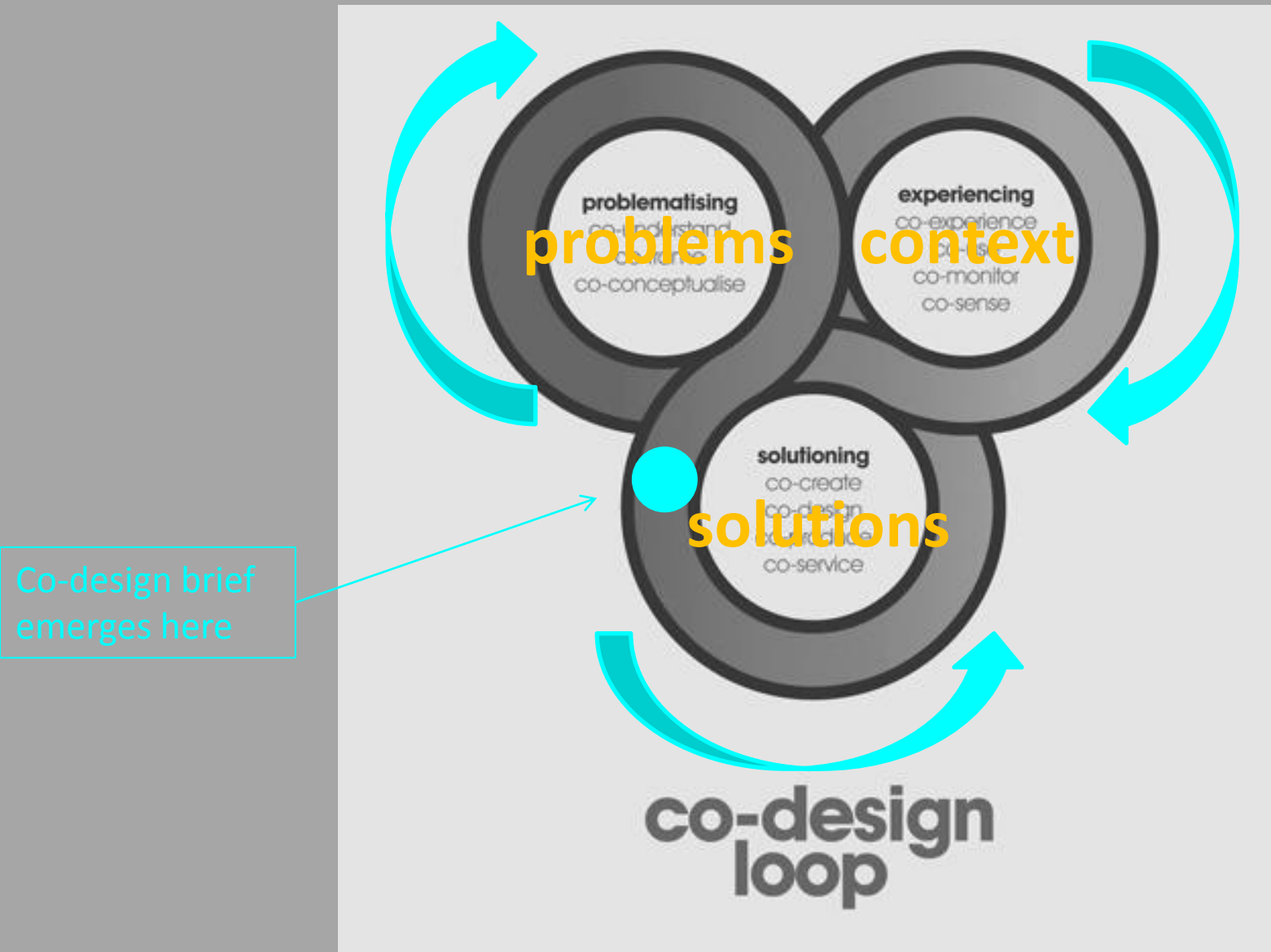


Co-designing context, metaproblems, the brief and solutions

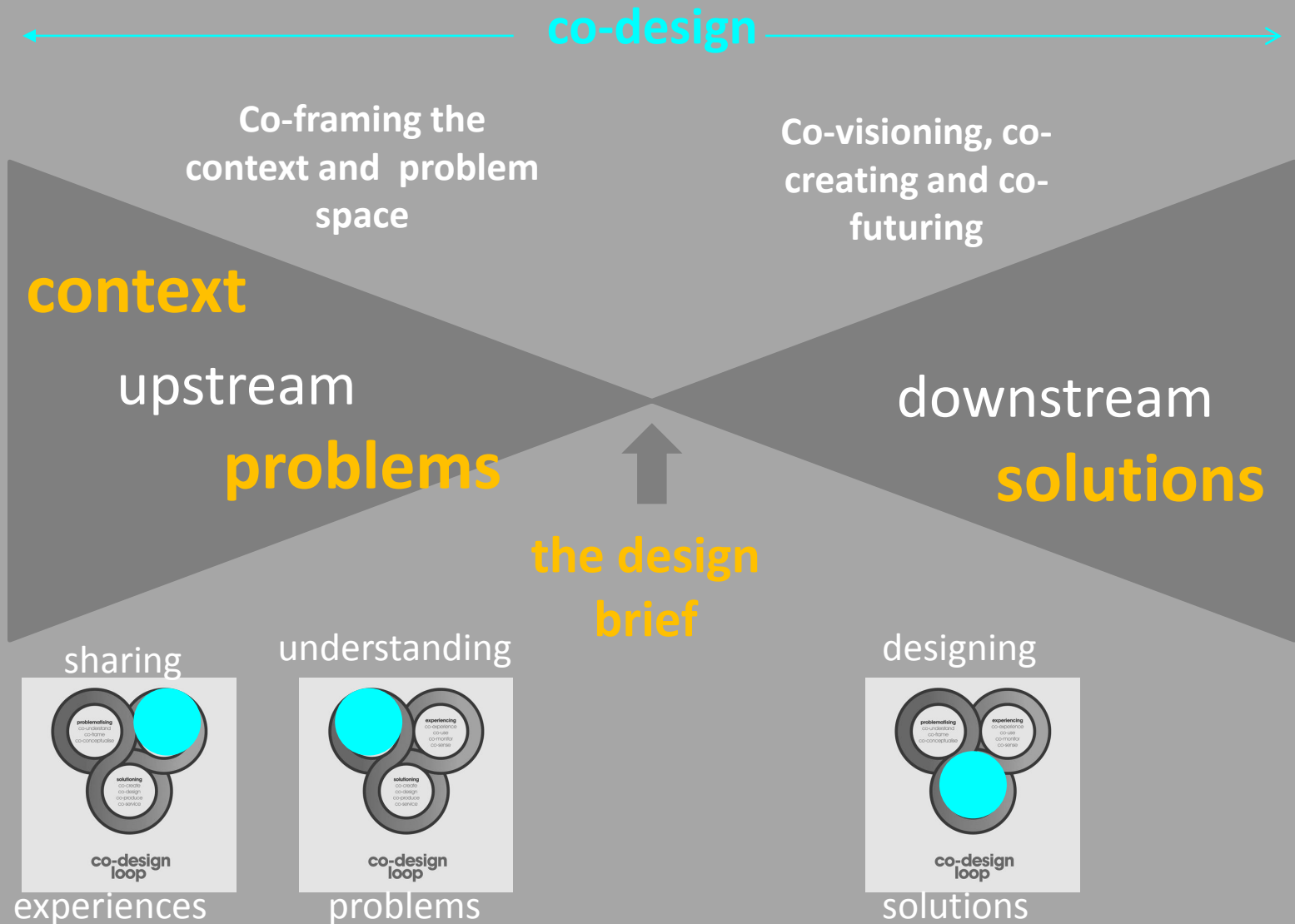


Co-design brief
emerges here

Co-designing context, metaproblems, the brief and solutions



We need to co-design *upstream* of the design brief



2. Co-designing a design strategy with Lahti

Lahti ...what kind of sustainable city is designed?

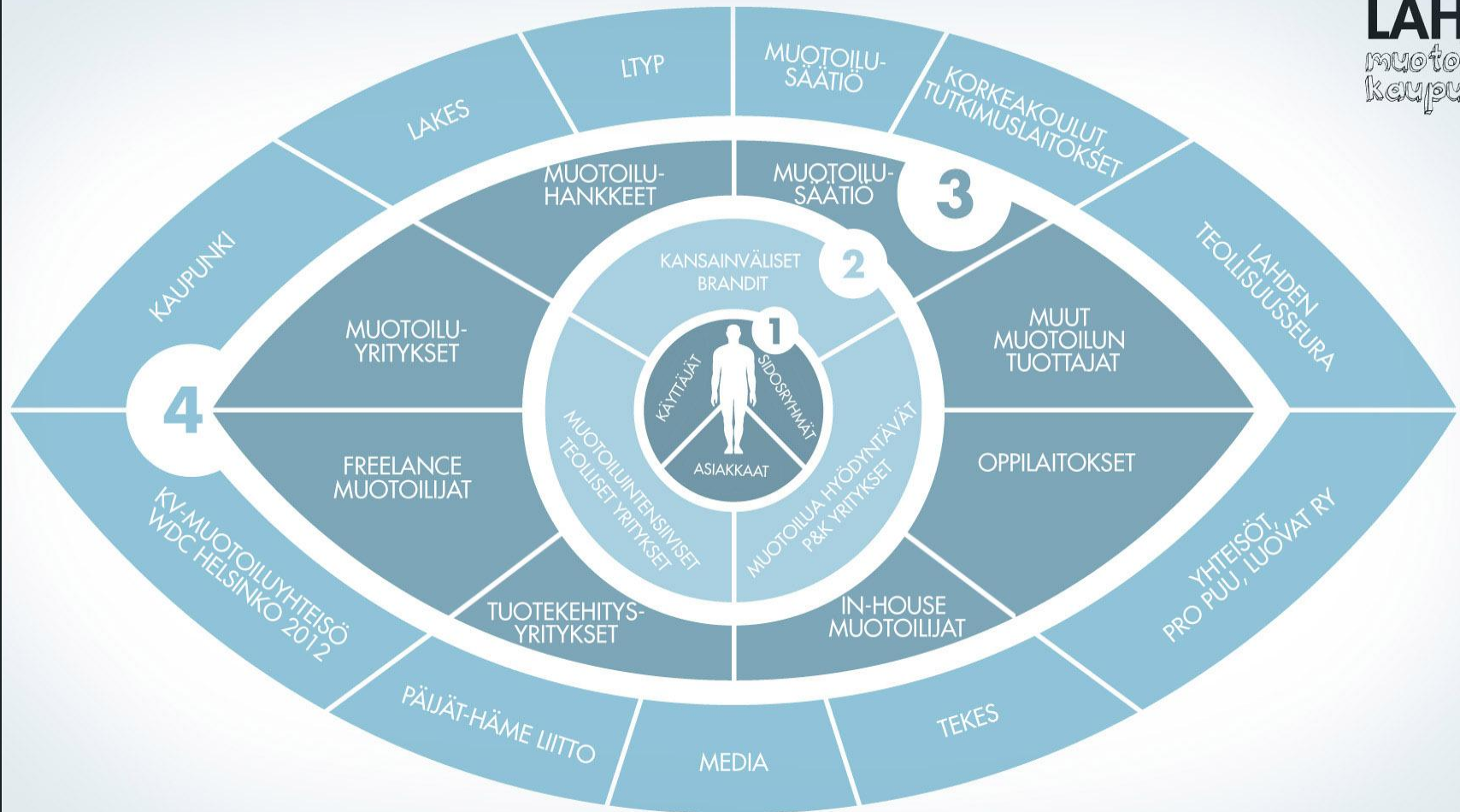


Teams mapping the stakeholders for 'Lahti design city'

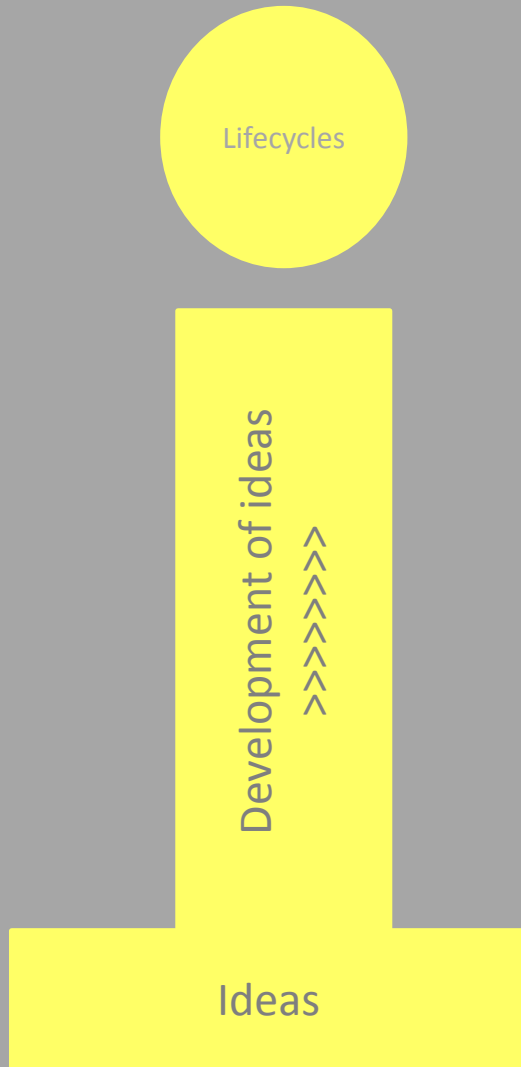


Stakeholder mapping for 'Lahti design city'

LAHTI
muotoilu=
kaupunki



I.C.E. and Lahti city 'meta-design brief'



‘Generating ideas and creating stories by joyful and active co-designing while recognising the importance of life cycles and real needs in our local environment and bio-region.’

Cross-functional co-design
Environmentally conscious
ideas from people

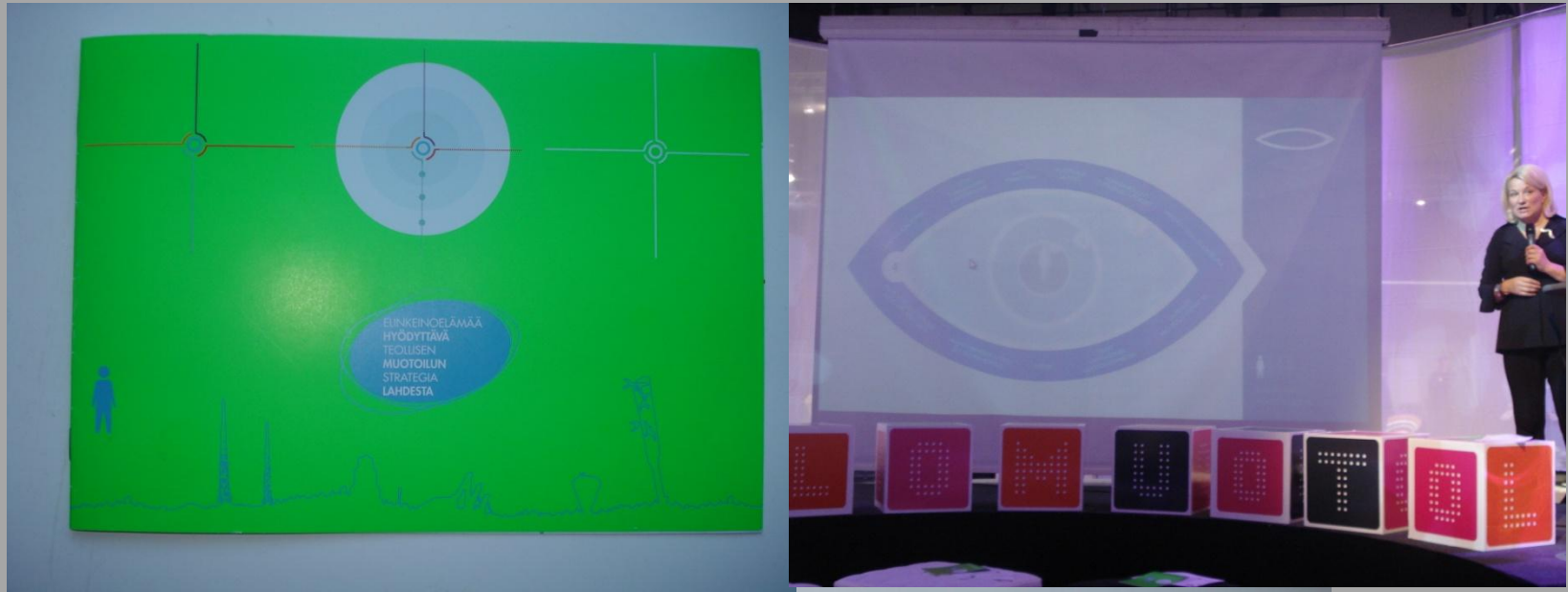
User-centred and co-design projects for Lahti 2002-2012

2002-2010
User-centred
design

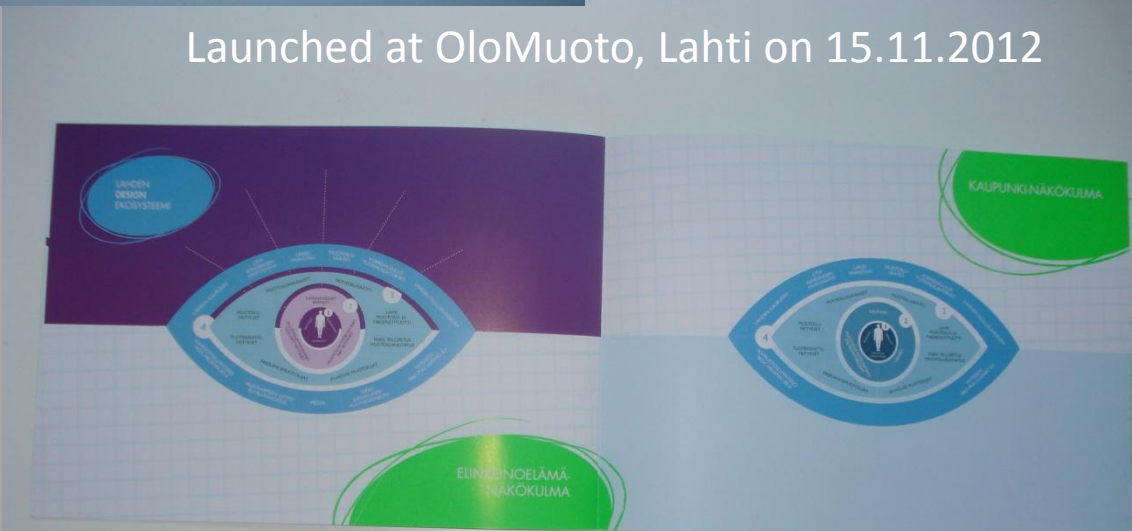
2011 onwards
Co-design



Lahti City design strategy development



Launched at OloMuoto, Lahti on 15.11.2012



3. Tonttila – Designing with a Finnish community

Radanvarsi design competition – Co-design as Planning, Form-giving



Karisto development, Lahti – Design as Planning

100000m² = 10 hectares



Zooming in on Tonttila



Zooming in on Tonttila



Marcus Lemuskoski, Architect, City of Lahti planning department

The soft side of planning – designing with people

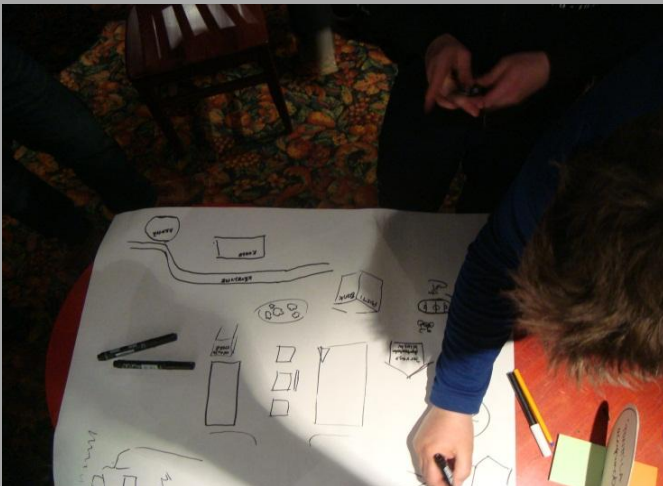


The hard side of planning – (infra)structure



Marcus Lemuskoski, Architect, City of Lahti planning department

The initial community co-design workshops in Lahti



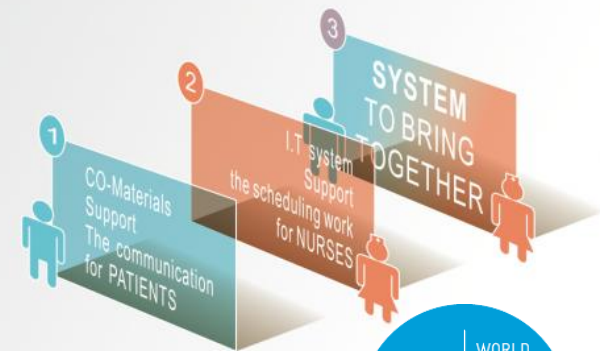
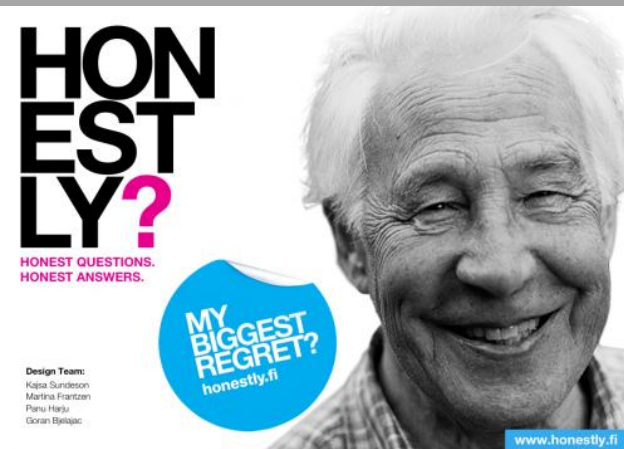
Getting to know the Tonttila community, Lahti, May 2012, <http://window874.com/2012/06/08/tonttila-1-exploring-community-views-and-needs/>, Photos: Katharina Mosbus

Co-design, UCD, service design, design activism

12 modules
+ diverse
stakeholders



Living+



12 projects exploring how design can contribute to positive wellbeing in the lives of the elderly, Healthcare, the Suburbs, Smoke Free Environments and more, <http://365wellbeing.aalto.fi/>

Aalto and LAMK students and the community of Tonttila

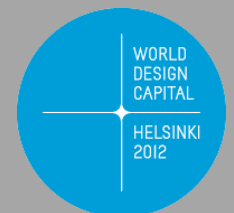


Core teaching team:

Professor Alastair Fuad-Luke

Doctoral candidate Sandra Vina

Design researcher Katharina Moebus



Walking the ground and fertilising





TONTTILASSA

17.11.2012
www.restaurantday.org/fi/

Oletko jo kuullut ravintolapäivästä?
- Se on ruokakarnevaali, jona kuka tahansa voi perustaa ravintolan päiväksi!

Ravintolapäivä on saavuttanut suuren suosion kansan keskuudessa, sekä Suomessa että yhä laajemmin myös maailmalla. Tapahtuma on kasvanut kerta kerralta suuremmaksi uusien innokkaiden haasteilajokkien ja leipurien lähdettyä mukaan ruoan juhlaan!

Minkä ruokalajin taitajana olet tunnettu ystäväpiirissä? Minkä leivonnainen on bravuuri? Laita ravintola tai kondiittori pystyyn yhdeksi päiväksi ja tullaan ravintolapäivä Tonttilaan yhdessä. Yllä olevan nettisivun kautta pääset tutustumaan konseptiin tarkemmin. Säännöt myös muiden ravintoloiden sijainnin ja pääset ilmoittamaan omastasi!

Ravintolapäivä Tonttilassa järjestetään Aalto Tonttilassa ja Lahden Tonttilahallissa. Marjatta ja Jukka Tonttila ovat mukana.



Walking the ground and fertilising



Tools to fit the 'design life cycle' and type of work



DSKD Method Cards: Five categories – Collaborate (black), Collect (green), Comprehend (blue), Conceptualise (purple), Create (red)

Friis, S.K. and A.K.G. Gelting (2011) *DSKD Method Cards*, Kolding, Denmark: Kolding School of Design.

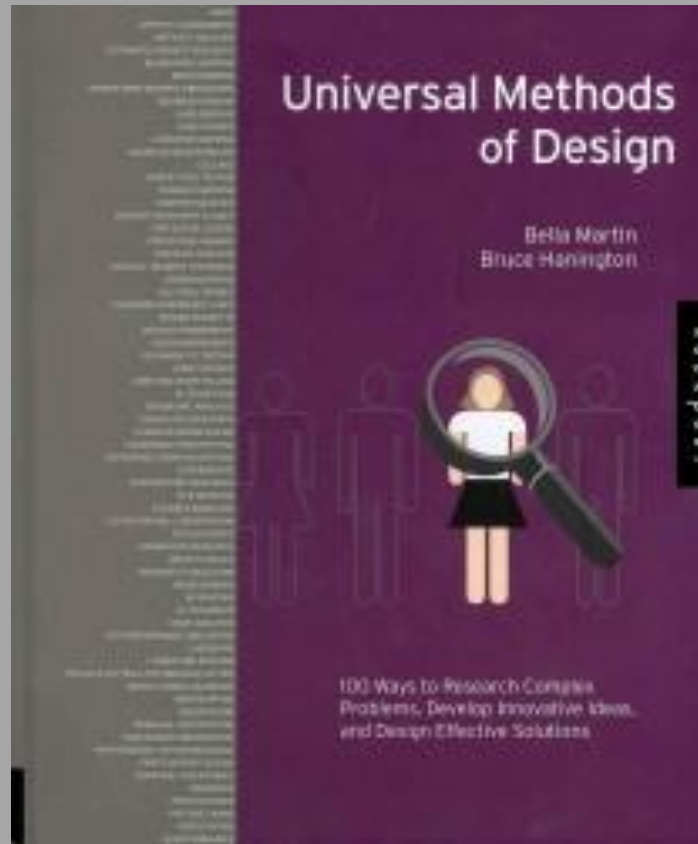
Tools to fit the 'design life cycle' and type of work



IDEO Human-Centered Design toolkit

Available at <http://www.ideo.com/work/human-centered-design-toolkit/>

Tools to fit the 'design life cycle' and type of work



Universal Methods of Design

Martin, B. and B. Hanington (2012) *Universal Methods of Design. 100 Ways to Research Complex Problems, Develop Innovative Ideas and Design Effective Solutions*. Beverly, MA: Rockport Publishers

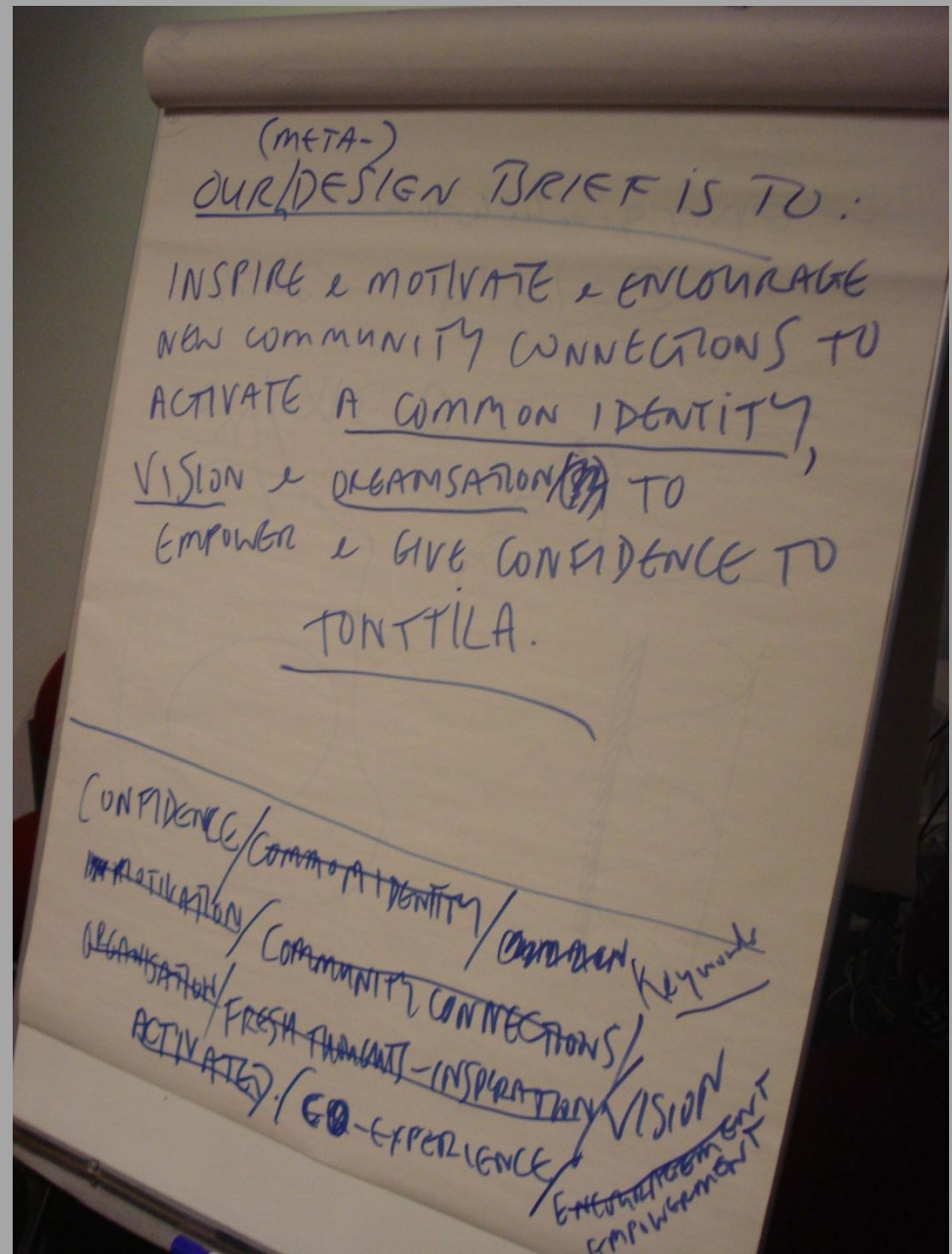
Choosing and using the right tools



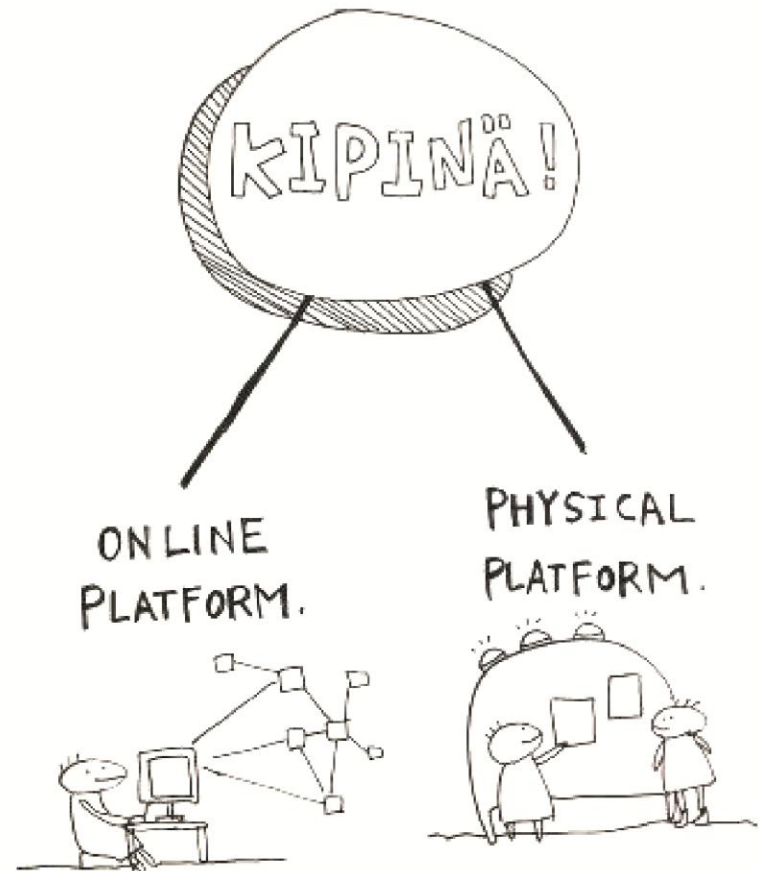
the 'meta-brief' for Tonttila



**co-design
loop**



Prototyping & implementation – development of concepts



KIPINÄ - To enable community and people of Tonttila

Saana Turunen, Julianna Nevari, Hyeyoon Min, June Seo and Satomi Koyanagi

Prototyping & implementation – development of concepts



HAPPINESS

what is the value of exchange =
demand
= happiness

Happiness is Happiness
Prototyping an event

so people could work further
with those methods!



People -  
SWAP — category cards



MAP DETI • 24

THE INCREASED HAPPINESS IS
MEASURED BY:

HOW MANY PEOPLE
ARE INVOLVED IN DEAL

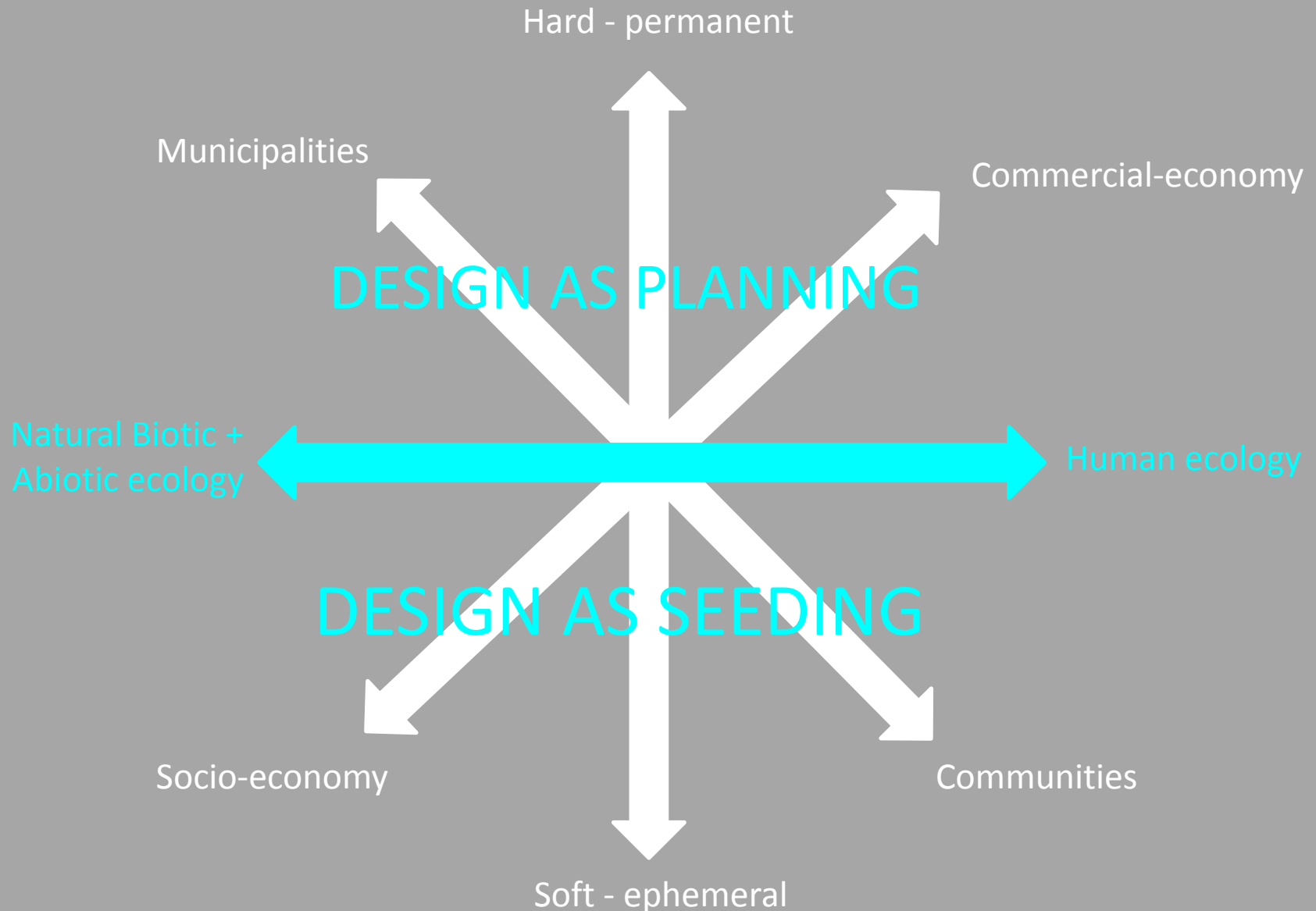
X

HOW MANY PEOPLE
POTENTIALLY BECOME HAPPIER

=

HAPPINESS ^{POINTS}
CREATED

How to balance Design as planning with Design as seeding?



Open co-design?

New ways of
generating concepts



Nicholas Mika's Intermodal pop-up cafe space at TEDx Grand Rapids, on openideo.com



Instructables restaurant Afrikaanderwijk, Rotterdam, at instructablesrestaurant.com

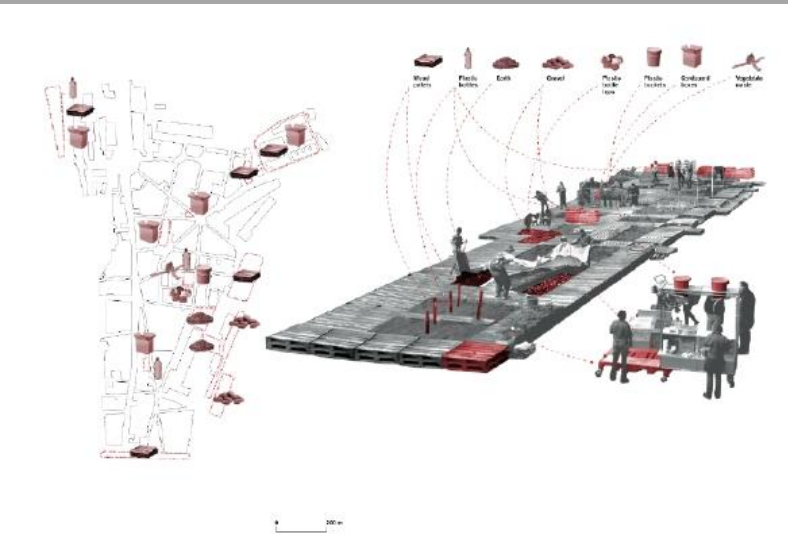
Collaborative, user-centered, user-driven, co-design, co-creation,
sharable, crowdsourcing, half-way designs

MetaboliCity – modular experiments



MetaboliCity by Loop Ph <http://loop.ph/bin/view/Loop/MetaboliCity>

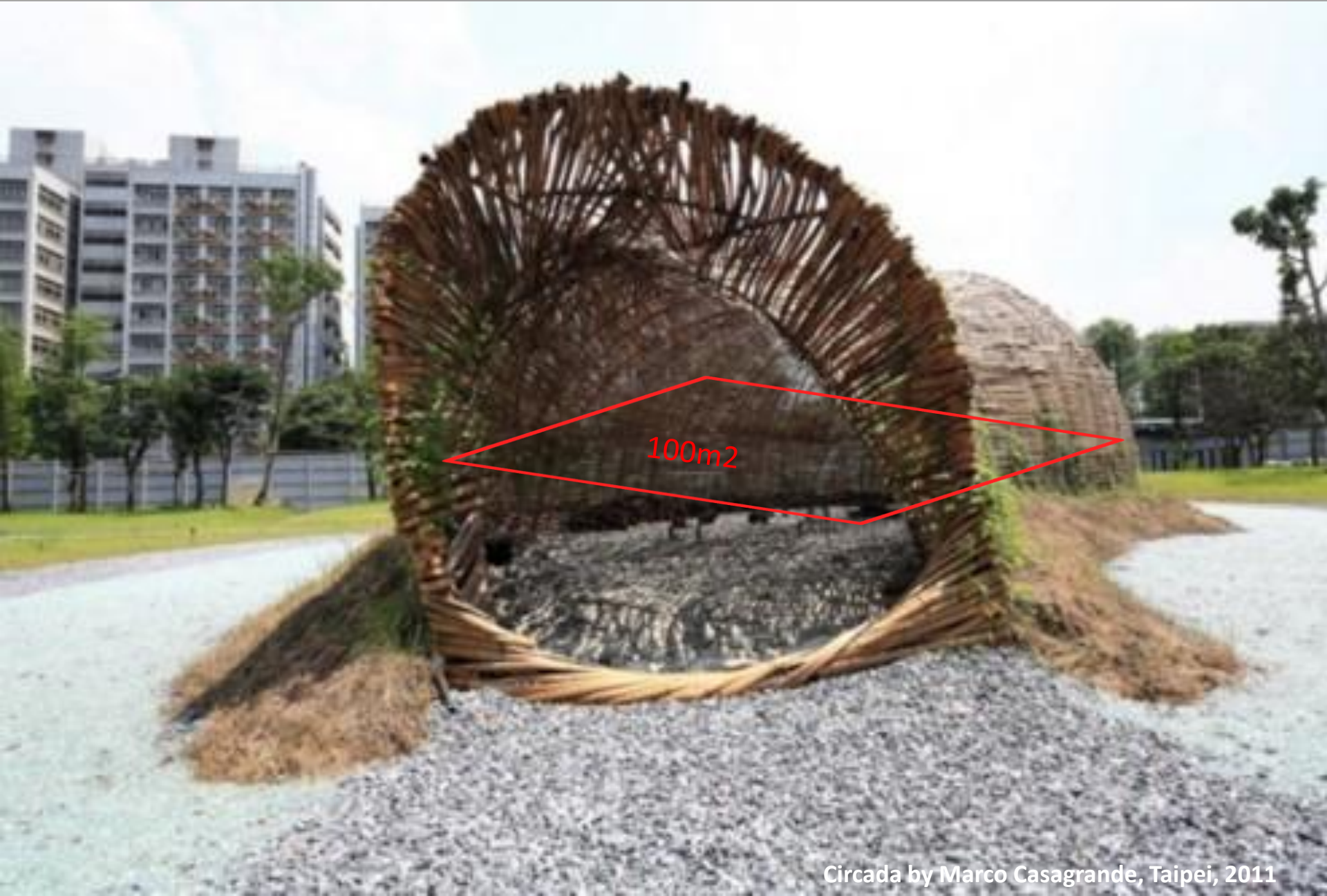
Ecobox – community experiments



Taking the Street – design interventions



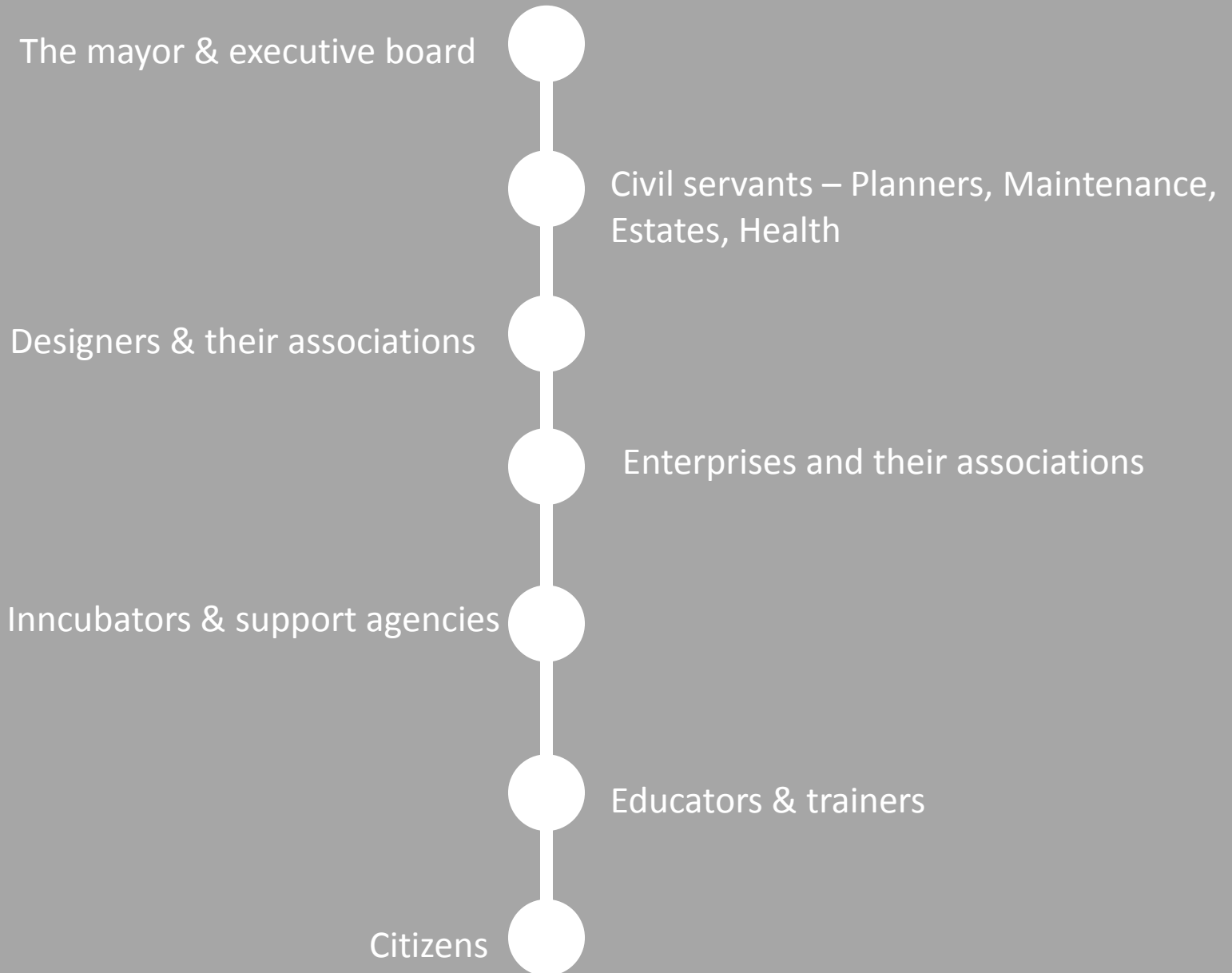
‘Social’ urban acupuncture – ephemeral structures



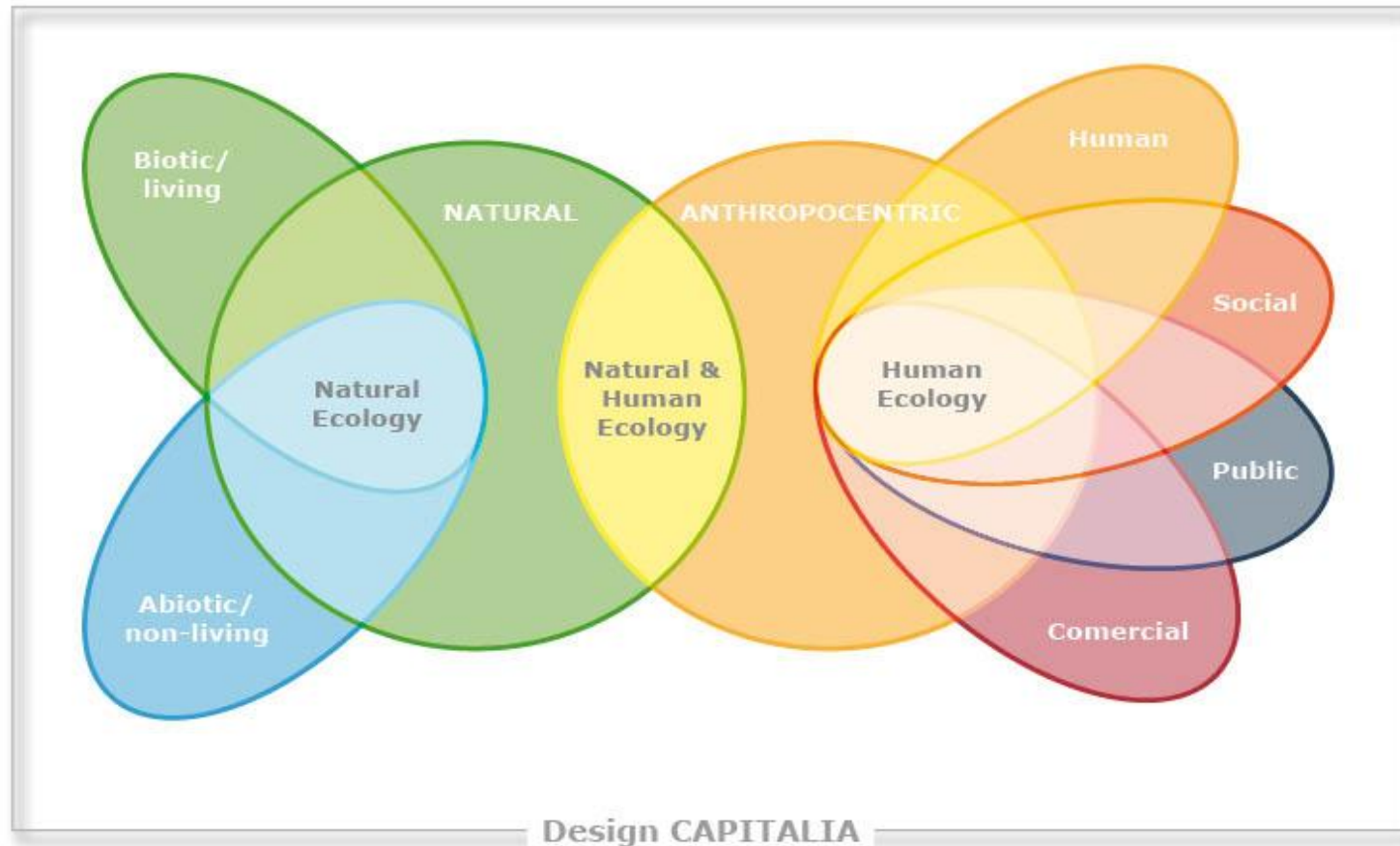
Circada by Marco Casagrande, Taipei, 2011

4. What next?

Training everyone in Lahti in co-design



designCAPITALIA – Two domains, six key capitals



Alpha version, launched at the Open Knowledge
Festival, Helsinki, 19.09.2012

The capital 'cards'



Six KEY capitals



32 SUB capitals

The Sub-capital 'cards'



SUB capital definitions



Blank SUB capital cards for
YOUR OWN definitions

Phase II - Interpretive

Step 3. Select the Key capitals and Sub capitals that you think are relevant to your chosen context. Lay the cards out on a large sheet of paper.

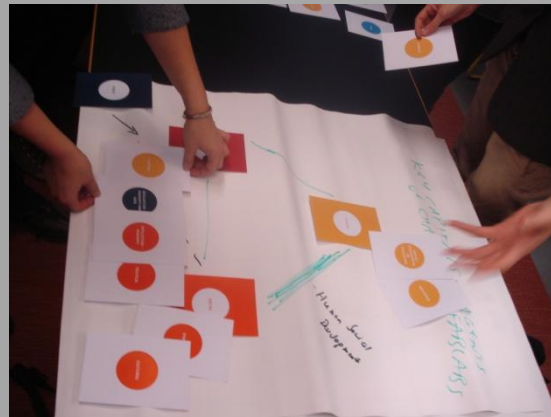
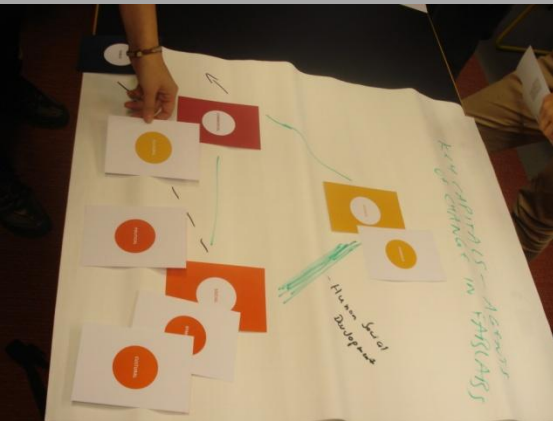


Phase II – Interpretive – FabLabs – 5 key capitals, 22 sub-capitals



Phase II - Interpretive

Step 4. Arrange the capitals in relationships which are meaningful to you. How are they related? How are they orientated to each other? Are some more important than others?



Developing designCAPITALIA as open source framework...

....the next step is to apply the framework to your own project whether it is in the conceptual or planning stage or is an existing, real life, project...



The Alpha version of designCAPITALIA is available at our blog,
<http://window874.com>

I love Atina – a Clear Village project

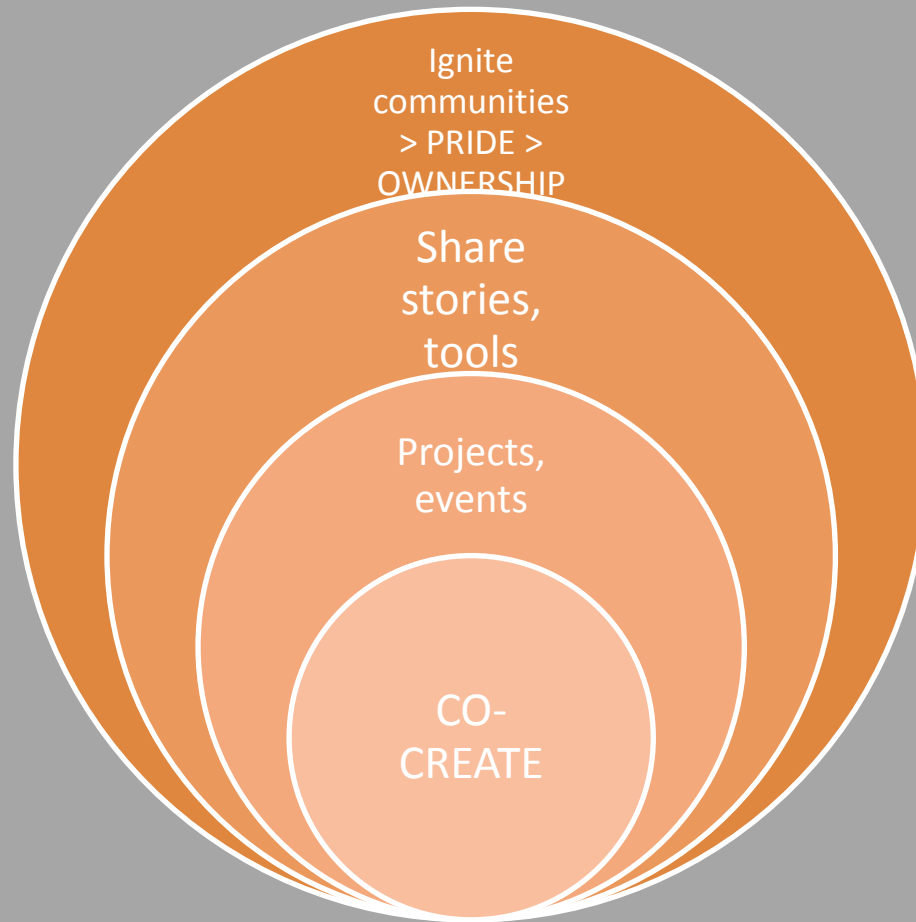


A polydisciplinary not-for-profit organisation engaging communities with a clear design communication strategy.

DESIS project – design for social innovation

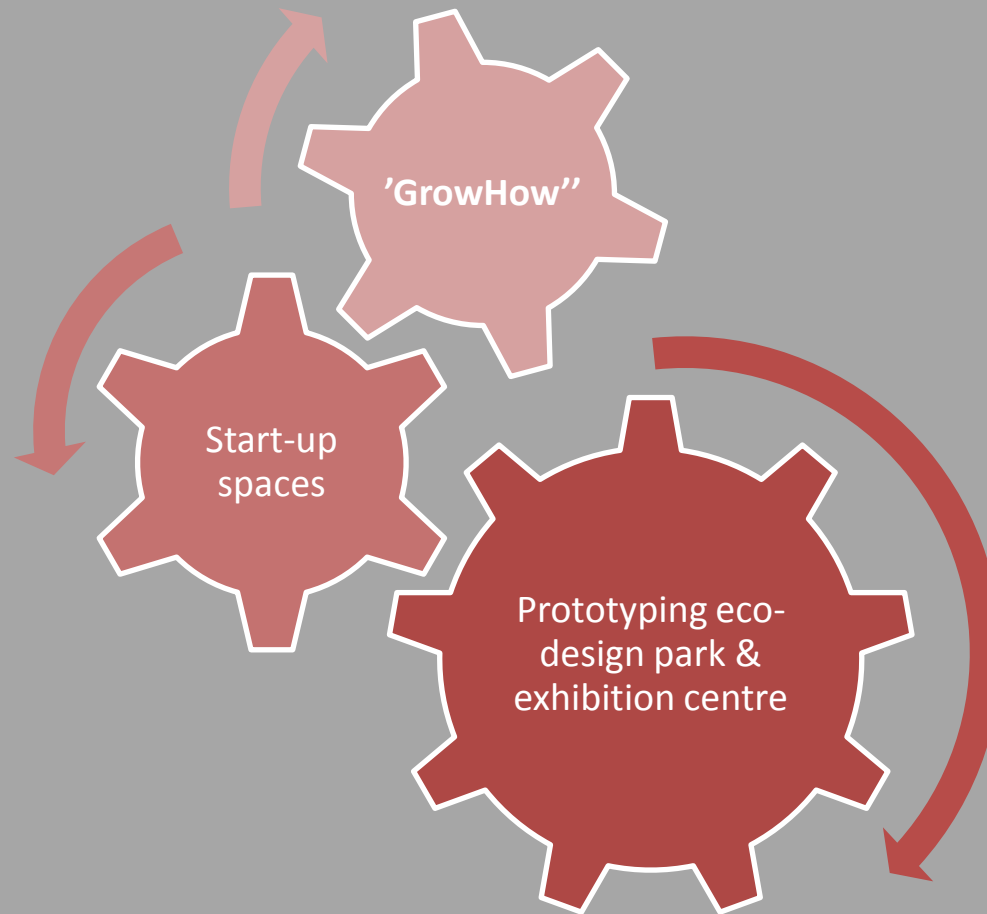


Growing 'social capital' in Lahti...



Co-create tools, stories and projects/events to share design knowledge among and within all communities in Lahti to 'ignite' the 'design city' and give it pride, while giving ownership back to everyone

Growing 'manufactured capital' in Lahti...



An exhibition and prototyping eco-design/green design park where “GrowHow” knowledge (business) sits alongside (bio-)materials, bio-mass energy, quality assurance, supply chain and technical manufacturing advice/knowledge. Inexpensive or free start-up space to help grow the design communities.

A new Clean Design Centre has recently opened in Lahti



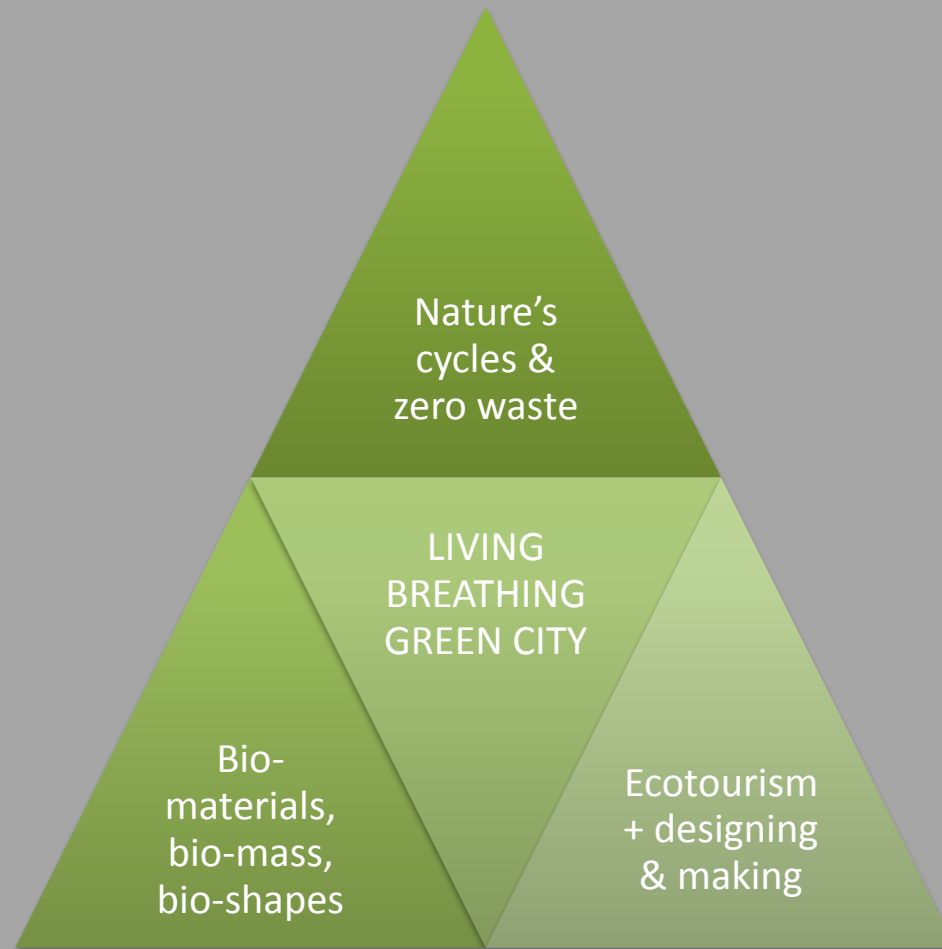
The new Clean Design centre, Lahti Science & Business Park, Rikka Salokannel and others,
http://www.lahtisbp.fi/fi/toimitilat_tutkimustilat/cleandesign_center

Growing 'financial capital' in Lahti...



More easily accessible funds and 'seed capital' for pilot projects, SMEs, young entrepreneurs, accepting that some of the funds have to accept the risk of some failure against the potential successes. Proof of Return on Design investment. Imaginative ways of raising money from not-for-profit and co-operative banks and by crowdsourcing (sourcing from communities, individuals).

Growing 'natural capital' in Lahti...



A living, breathing, zero-waste, green city reflecting nature's aesthetic shapes on a small and large scale, with hydro cycles, bio-mass energy and a vibrant 'making' ecotourism culture in and outside the city.

Involving the citizens and other stakeholders in Lahti

LAHTI

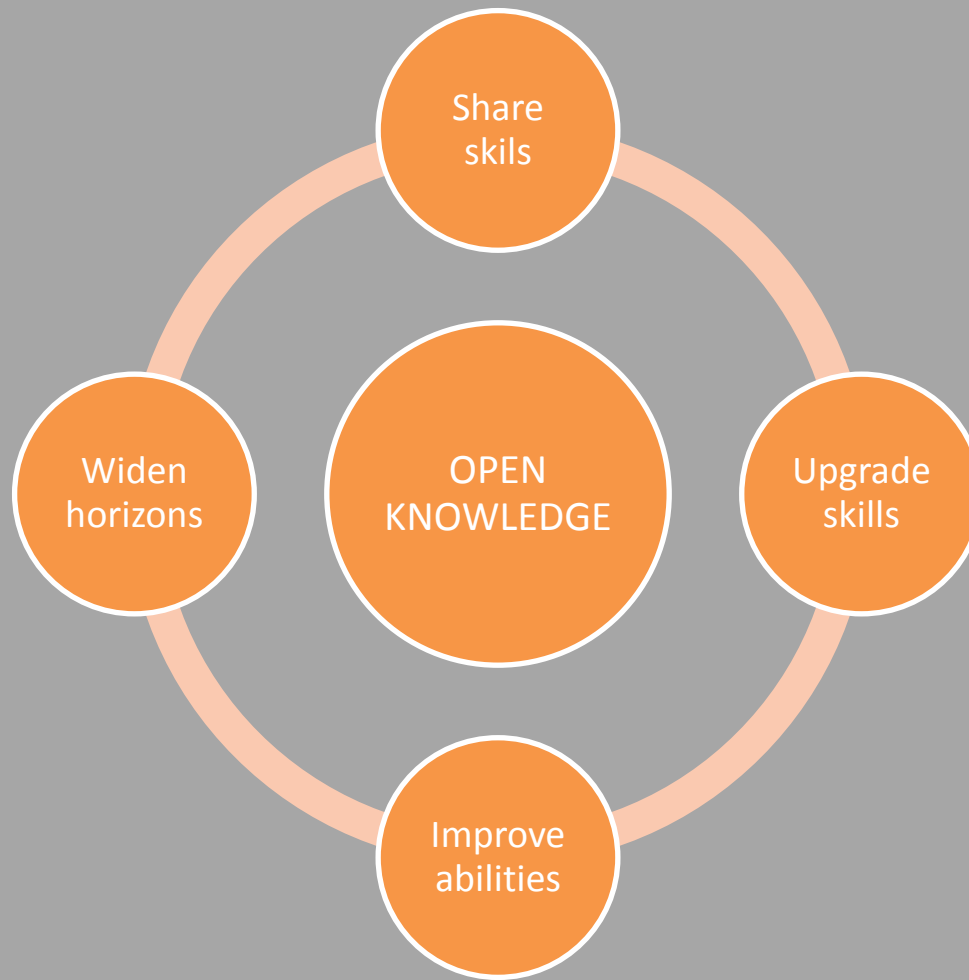
GreenCity

a Forerunner towards Sustainability



<http://www.greencity.fi/en>

Growing 'human capital' in Lahti...



Widening horizons by improving skills and abilities, then sharing them and making the knowledge open to benefit everyone. Upgrading skills to strengthen individuals [and the potential of Lahti].



Co-designing for co-futuring
and sustaining the City of Lahti
...you know it makes sense!

Kiitos! Thank you!

Alastair Fuad-Luke

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Blog: <http://window874.com>



Aalto University <http://arts.aalto.fi/en>

NODUS, Sustainable Design Research group,

<http://designresearch.aalto.fi/groups/nodus/>

Fuad-Luke <http://www.fuad-luke.com>