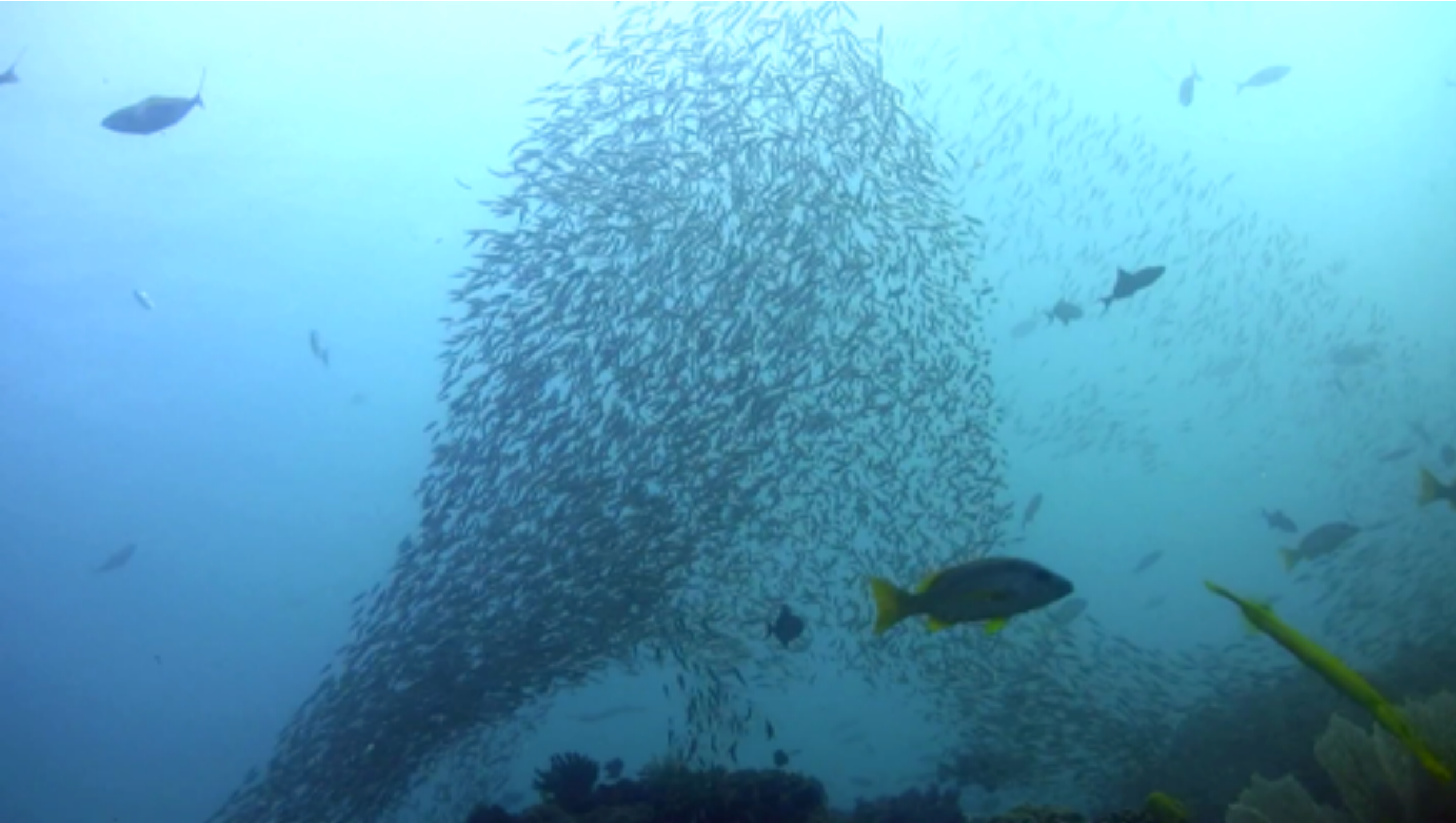
The background features several large, semi-transparent circles in various colors: a large black circle in the top left, a purple circle in the top right, a large yellow circle on the right side, a small orange circle in the center right, a large pink circle in the bottom center, a small purple circle in the bottom left, and a large light orange circle in the bottom right. The text is overlaid on this background.

# **Social innovation and collective intelligence: past, present and future**

Geoff Mulgan, Malmo

November 2019



Geoff Mulgan



# SOCIAL INNOVATION

How societies  
find the power  
**to change**

P

# Social Silicon Valleys

*a manifesto for social innovation*  
what it is, why it matters, how it can be accelerated



The Young Foundation

- **new sources of finance**, including public and philanthropic investment in high-risk R&D, targeted at the areas of greatest need and greatest potential;
- **public funding and services directed more to outcomes** and opened up to social enterprises and user groups as well as private business;
- **new kinds of incubator** for promising models, and 'accelerators' to advance innovation in areas such as chronic disease or the cultivation of non-cognitive skills;
- new ways of **empowering users** to drive innovation themselves – with tools, incentives, recognition and access to funding for ideas that work;
- new institutions to orchestrate more **systemic change in fields like climate change** or welfare – linking small-scale social enterprises and projects to big institutions, laws and regulations;
- new institutions focused on **adapting new technologies for their social potential – such as AI** – as well as more extensive, rigorous, imaginative and historically aware research on how social innovation happens and how it can be helped.

## MONEY

Social investment funds, impact investment  
Grant programmes  
Government funds (eg HK, CSAIF in the UK)  
Social Impact Bonds (140+ worldwide)  
Technology innovation agencies (SITRA,  
Vinnova, AIM, Nesta ...)

## POWER

National policies, eg Malaysia, Korea, Canada  
Global institutions – UNDP, UNICEF  
European Commission funds, prizes  
City programmes (eg Seoul, Bologna,  
Barcelona, Bogota)  
1000+ innovation labs within governments  
Experimental government in Finland &c

## SOCIAL INNOVATION

## KNOWLEDGE

Research centres (Vienna, ESADE to Dortmund)  
Courses (Waterloo, Kingston to Northampton)  
Science oriented to social innovation (eg  
Horizon 2020)  
Challenge-driven university models (eg Aalto)  
Distributed online networks (e.g. SIX; Citizens  
Science)  
Evidence and what works centres

## PEOPLE

Patients organisations  
Grassroots innovation (eg Honeybee India)  
Digital democracy campaigns (eg Change.org,  
Avaaz)  
Hackers  
Maker movement

But ... are we winning battles  
yet losing the wars?





# The 20<sup>th</sup> century hierarchy survives: drones to AI

1. Military (US devotes over 50% of government R&D expenditures to defense).
2. Commercial
3. Social (only much later)





# The great imbalances remain



So ... what next?

# Engaging with politics – and redesigning politics



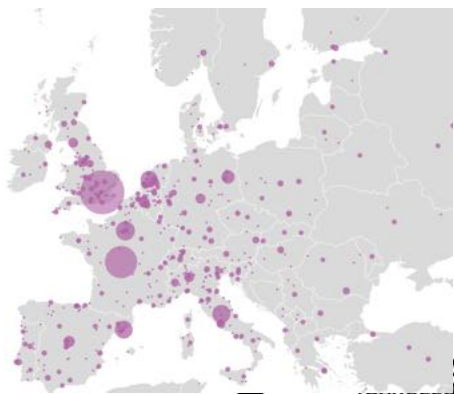
**nesta**



# Digital social innovation



**digitalsocial.eu**  
**@DSI4EU**



waag society




**nesta**



# Data and AI: ethics *and* use

Allegheny County Department of Human Services



## Allegheny County Analytics


Home Topics Visualizations Publications Datasets Videos

Home > Children, Youth and Families > Developing Predictive Risk Models to Support Child Maltreatment Hotline Screening

Children, Youth and Families Innovation and Reform Type of Report Publications

### Developing Predictive Risk Models to Support Child Maltreatment Hotline Screening Decisions

By **DHS** - May 1, 2019 6112 0



**DEVELOPING PREDICTIVE RISK MODELS**  
**to Support Child Maltreatment Hotline**  
**Screening Decisions**

UPDATED APRIL 2019

# Experimentalism

Health



Development



Social Experimentation



Education



THE  
BEHAVIOURAL  
INSIGHTS TEAM.

# Accelerating innovations in money



- Grants
- Stage-gated grants
- Loans
- Equity
- Quasi-equity
- Convertible loans and grants
- Grants with royalties
- Challenge prizes and inducement funding
- Crowdfunding
- Matched crowd-funding
- Revenue-based grants
- Social/Development impact bonds
- Service contracts for innovation
- Outcome-based procurements



# Corporate Social Innovation is the New Corporate Social Responsibility



By FOMIN



English Español Português



About Us

What We Do

Projects

Personal Stories

Get Involved

News

Resources

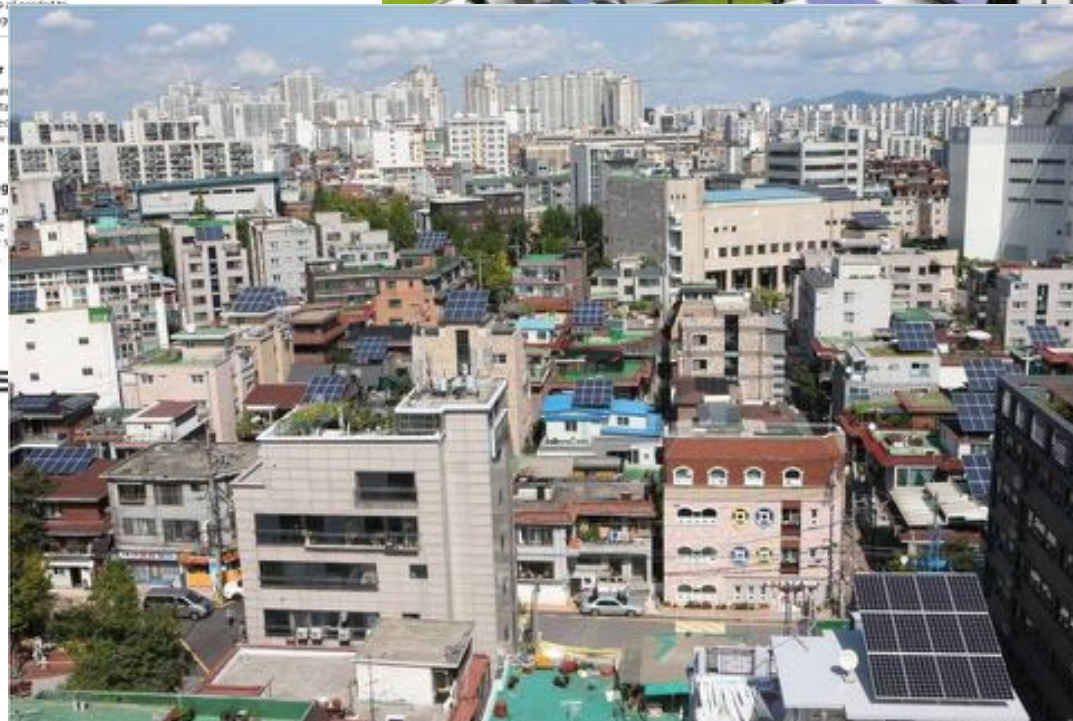
Media



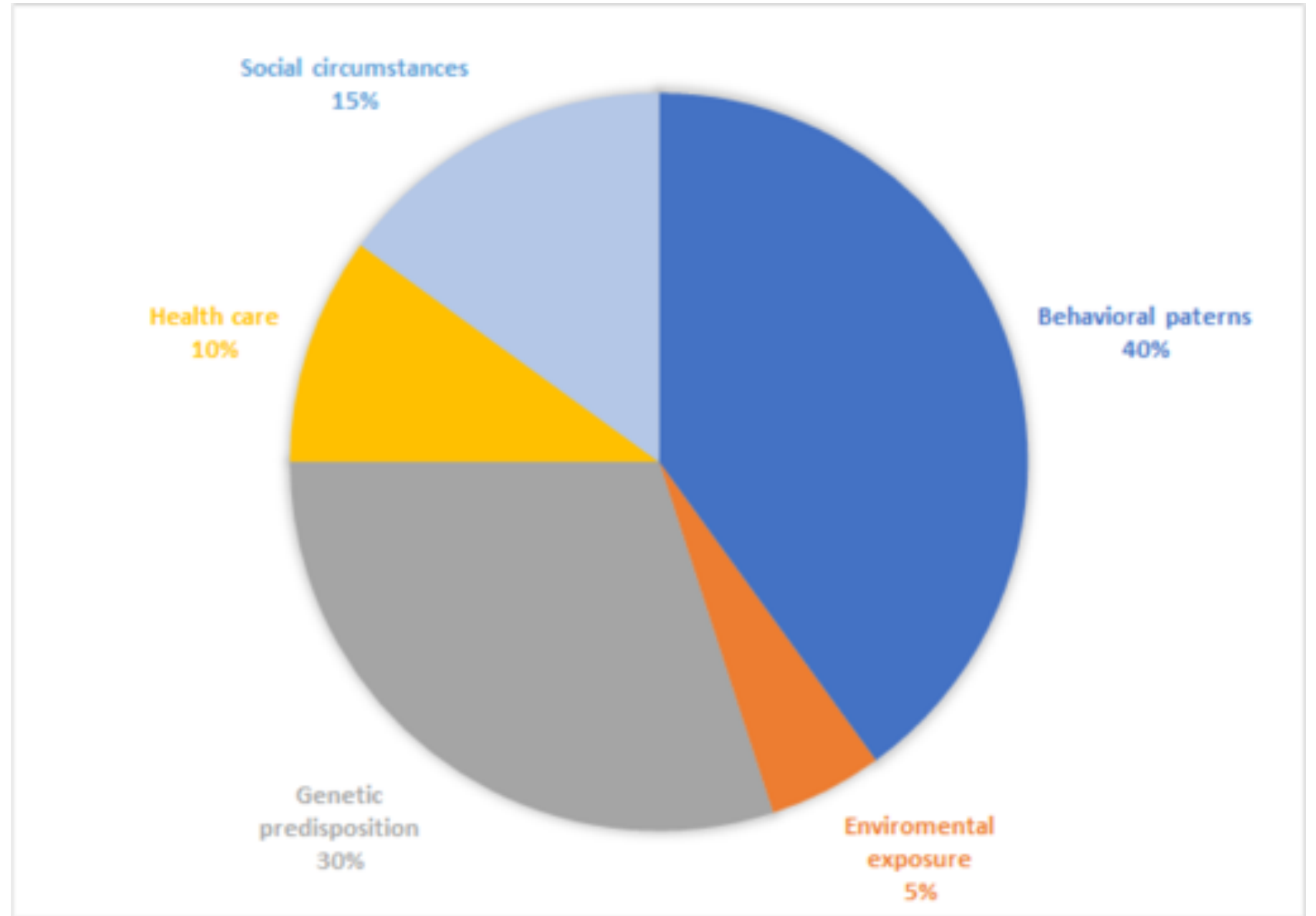
NEO is a pioneering initiative in which companies, governments and civil society in Latin America and the Caribbean work together to improve employment opportunities for 1 million young people

# Just transition

## THIS IS HOW WE CREATE A **Circular economy** IN FINLAND



# Proportional Contribution to Premature Death



Source: Robert Wood Johnson Foundation

## Health spend

£8bn  
prevention

£97bn  
treatment  
of  
disease

## Health research

5.4%  
prevention

90+%  
biomedical &  
health  
services  
research

Health / [Innovation](#) /

# The Nightingale

Time to get serious about addressing the social, behavioural and environmental influences on health

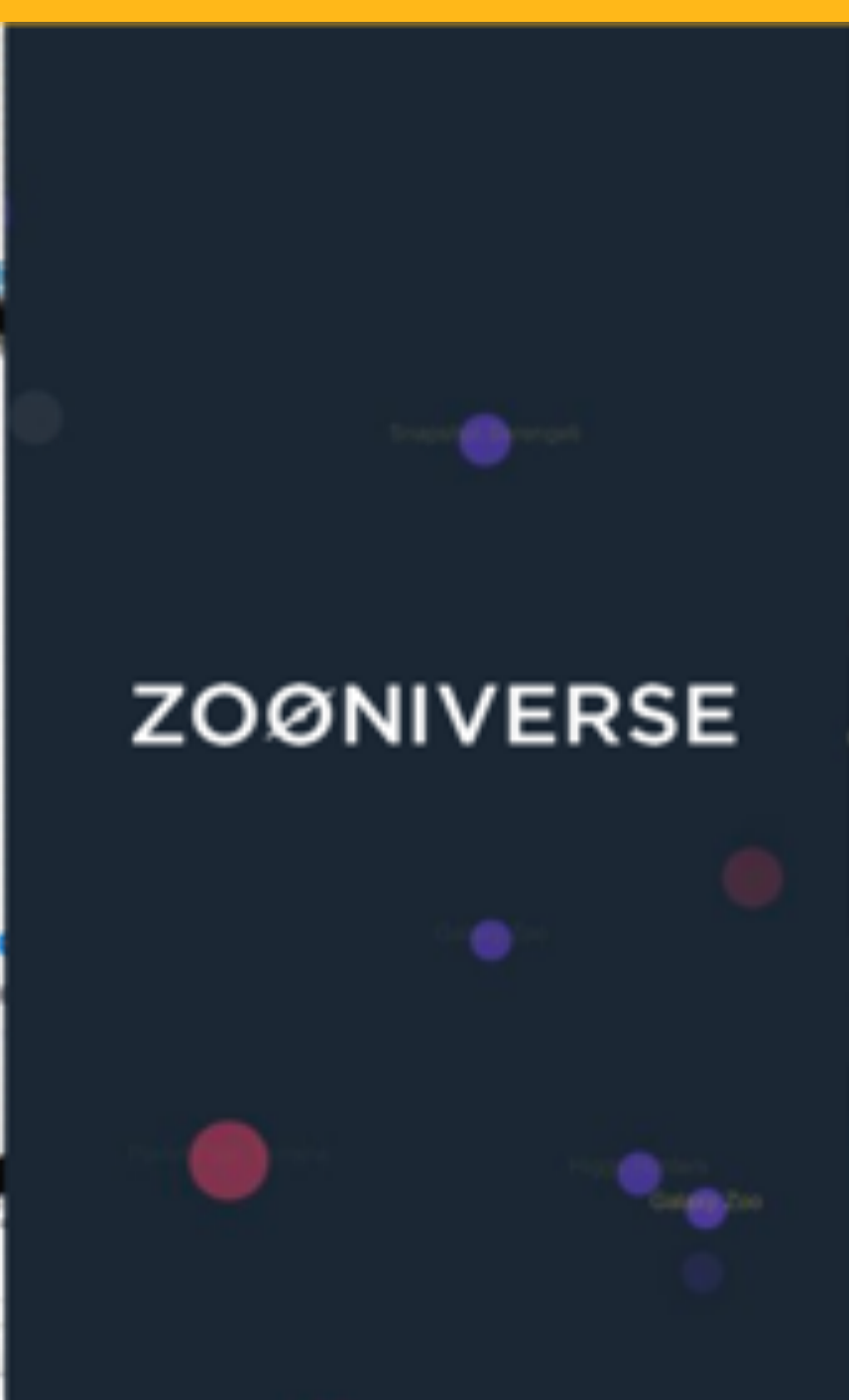
# COLLECTIVE Intelligence





amazon





# Elements of Social and Collective Intelligence

- Observation and Data
- Live models of the world
- Analysis and prediction
- Memory
- Motor coordination
- Empathy
- Creativity
- Judgement
- Wisdom



# UNDP Accelerator Labs

We're building the world's largest and fastest learning network around development challenges.  
We're hiring people who are curious, persistent, and deeply committed to social change.

**What if you joined us?**

[Who are we hiring?](#)

[Why are we doing this?](#)

# What can collective intelligence help you do?

## understand problems

Generate contextualised insights, facts and information on the dynamics of a situation.

Monitor the implementation of initiatives by involving citizens in generating data, and share knowledge to improve the ability of others.

## learn and adapt

## seek solutions

Find novel approaches or tested solutions from elsewhere. Or incentivise innovators to create new ways of tackling the problem.

Make decisions with, or informed by, collaborative input from a wide range of people and/or relevant experts.

## decide and act



# Understanding problems: Peta Bencana



## Seeking solutions: WeFarm

How Wefarm works is simple:



Rose's crop is suffering from a disease, so she sends a simple, free SMS to the local Wefarm number.



Her question is instantly posted online and sent to selected members of the Wefarm community via SMS.



Rose receives useful, relevant knowledge within minutes... without leaving her farm or having any access to internet.

Search challenges

Themes

All

Expertise

Energy & Environment

Health

Connecting problem solvers with the  
world's greatest challenges

# Tech To Connect Challenge

This project started in June 2019 and is ongoing



Applications open  
26 June 2019

An England-wide challenge which is looking to find ways that tech can tackle social isolation and loneliness.



## CHALLENGING Plastic Waste

European  
Social Innovation  
Foundation 2019

Three €50,000 prizes  
awarded by the European  
Commission for the most  
innovative projects designed  
to reduce plastic waste.

View this year's Winners













Browse the Alumni Network

# NASA

## Public prize/challenge programs

## Other public crowdsourcing initiatives

## Internal crowdsourcing program

	Public prize/challenge programs			Other public crowdsourcing initiatives		Internal crowdsourcing program
						
<b>Duration</b>	Years	Months	Days/Weeks	Months	Months	Weeks
<b>Awards</b>	\$100K+ to \$Ms	\$1K to \$250K	Recognition	Recognition	Varies	Recognition
<b>Products</b>	Technology demos	Ideas, design, software	Software apps/tech concepts	Scientific observations and analysis	Design	Ideas, info
<b>Who</b>	US-led (to win prize)	Worldwide; US-led (COMPETES)	Worldwide	Worldwide	Students (US)	NASA
<b>Authority</b>	NASA prize authority	Procurement; COMPETES Act	Space Act	Amer. Innov. and Competitiveness Act	Space Act; grants & cooperative agreements	N/A
						

SOLVE

[SHOP](#)[PRODUCTS](#)[SUPPORT](#)[GAMES](#)[LEGO® LIFE](#)

## ABOUT US

OUR MISSION: TO INSPIRE AND DEVELOP THE BUILDERS OF TOMORROW

[ABOUT US](#)[LEGO GROUP](#)[RESPONSIBILITY](#)[NEWSROOM](#)

YOU ARE HERE: [ABOUT US](#) > [NEWSROOM](#) > CELEBRATING 10 YEARS OF CROWDSOURCING AND CO-CREATION WITH LEGO® FANS



# CELEBRATING 10 YEARS OF CROWDSOURCING AND CO-CREATION WITH LEGO® FANS

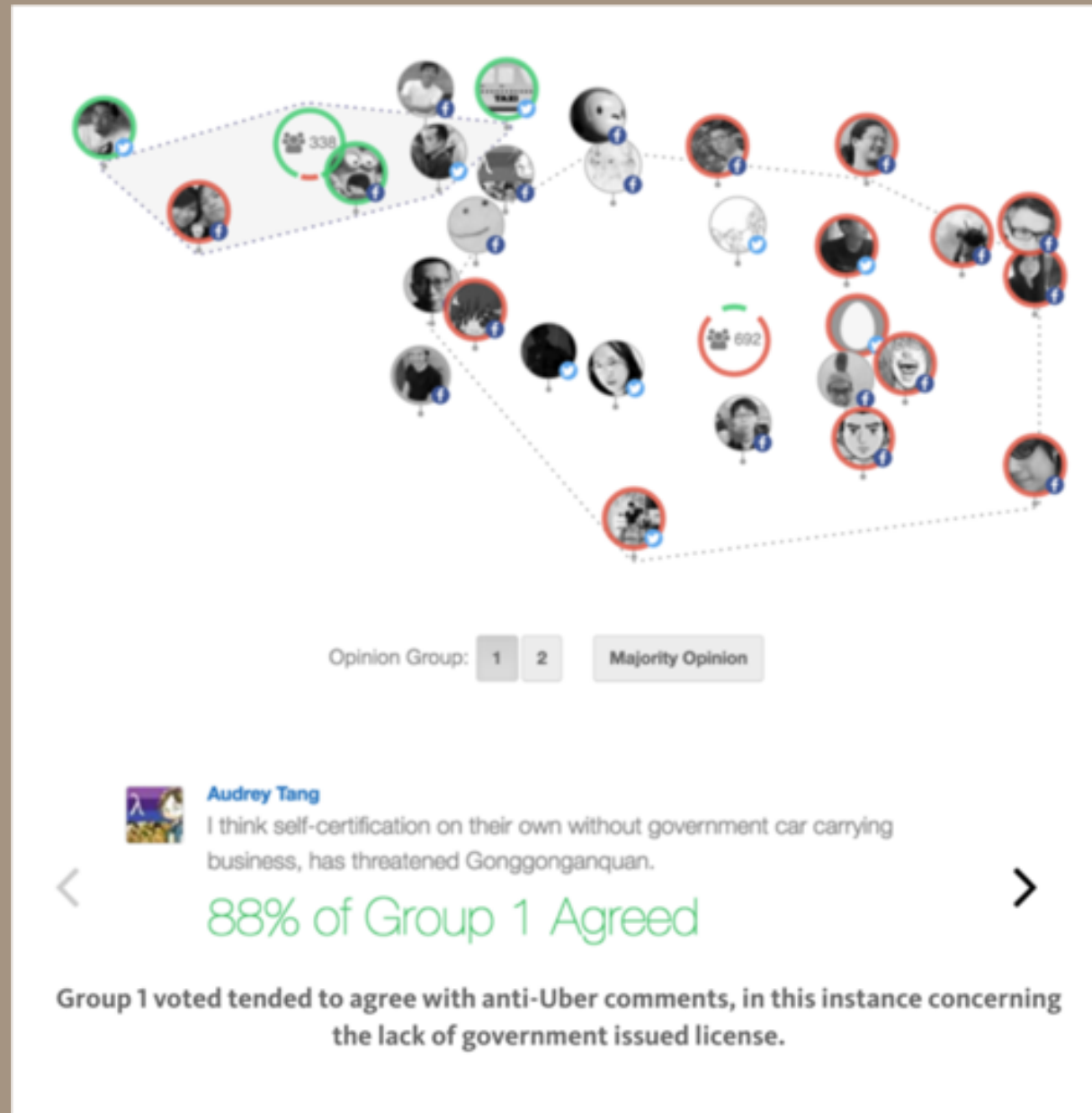
PUBLISHED ON

08 November 2018, 20:00  
CET

DOWNLOADS

**LEGO® Ideas** – originally started as a playful experiment – has evolved into a global phenomenon of crowdsourcing user-driven innovation from LEGO adult fans

# Decide & Act: VTaiwan



# Memory

[ABOUT](#)[LIBRARY](#)[CONTRIBUTE](#)[PARTNERS](#)

## The future of homes by everyone, for everyone

Simple, sustainable, open building technologies

[View the github library](#)

[ABOUT](#)[LIBRARY](#)

### Library



#### Types

Ready-designed standard building layouts, combining a number of technologies into a whole building design which can be adapted to fit different users and sites.



#### Technologies

Open technologies and systems that can make up sub-components of an overall building.



#### Tools

Open source tools for the manufacture or assembly of homes.

# Empathy



GoodSAM



~50%



~9%



~80%

---

# Social innovation - saving lives through technology

---

GoodSAM is world's most **highly governed** and **technologically advanced** Smartphone *alerting* and *dispatching* system.



# Global Reach

- Used in 30 Countries
- >50,000 responders

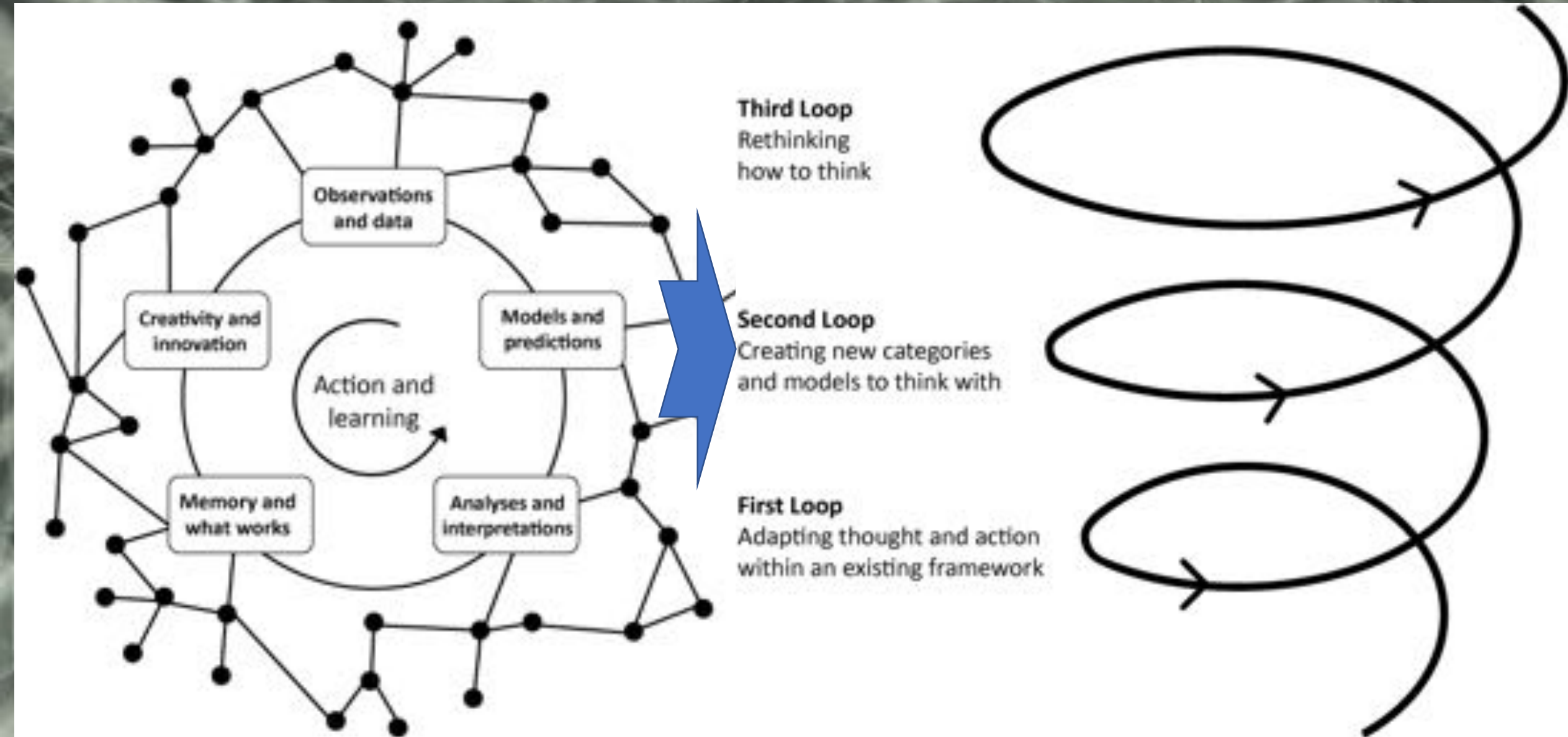


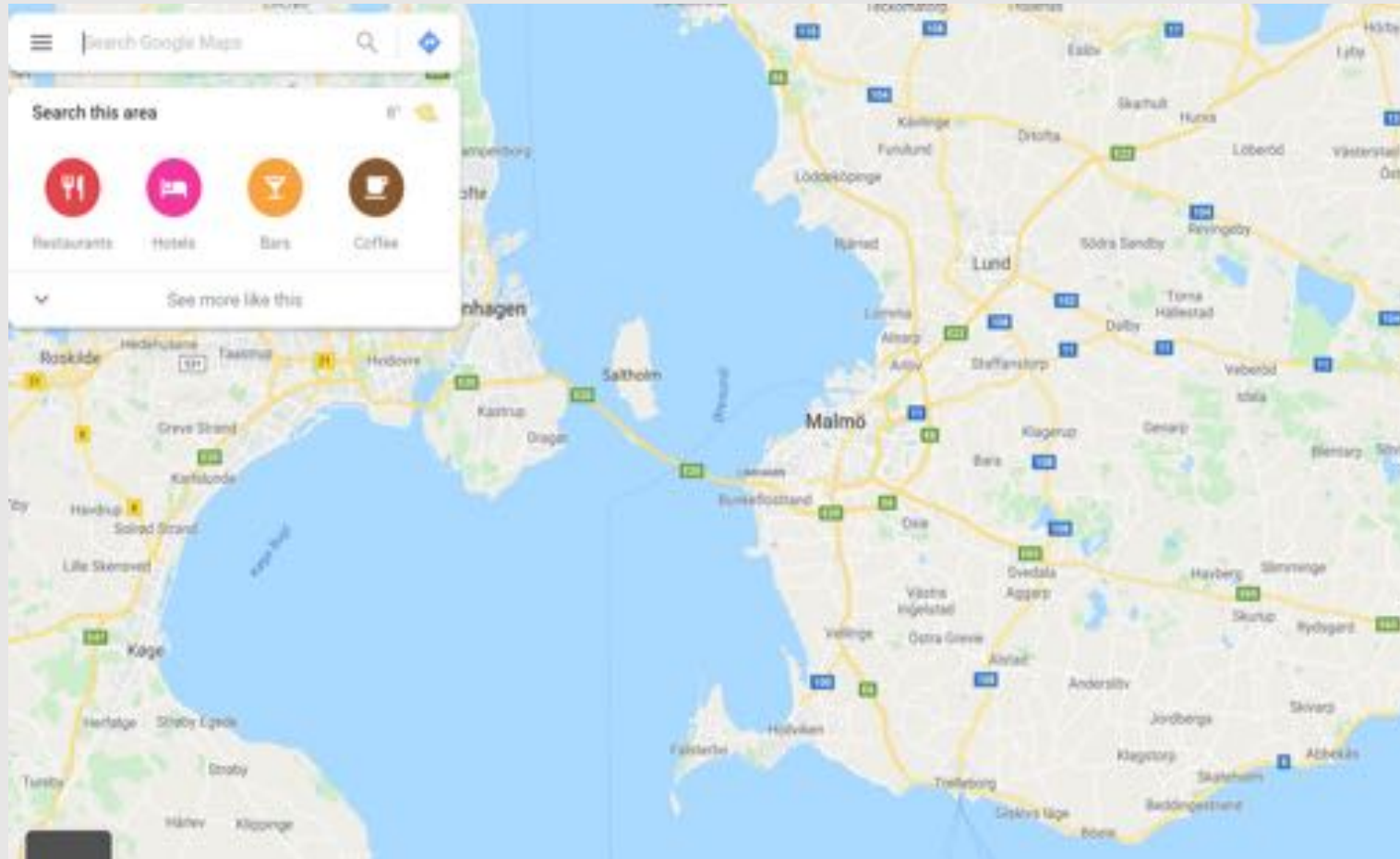
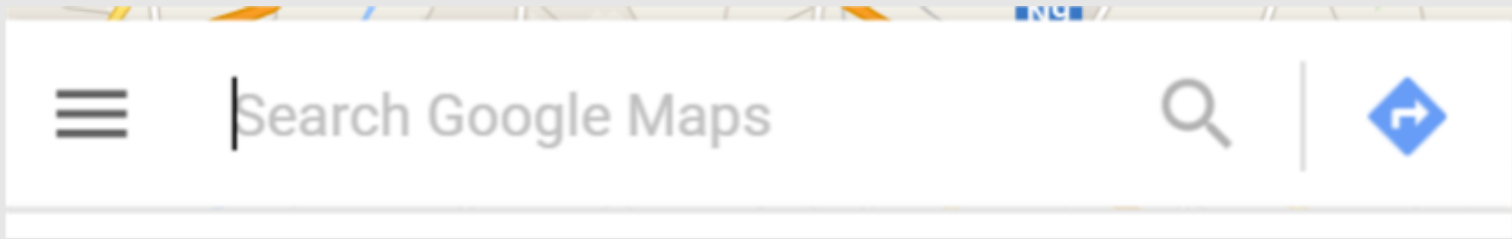
Worldwide Responders, June 2018



London Responders, June 2018

# Intelligence Assemblies





**Google Maps =**

**Google**

**+ Where 2 Technologies**

**+ Keyhole**

**+ ZipDash**

**+ Google Maps API**

**+ Vutool**

**+ iPhone loading**

**+ Google Map Maker....**

annual salary offered

lower quartile median upper quartile

demand for skill cluster

low high

LOW SALARY HIGH SALARY

Information technology £45k

IT & data warehousing

business analysis & it projects

software development

system administration

networks

web development

IT support

business administration £35k

financial asset management

procurement

accounting & financial management

business management

capital management

accounting/finance

office administration

science & research £34k

Combining real time data with human know-how to empower your employment. For job-seekers, advisers and employers to connect.

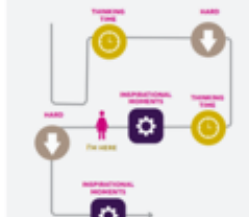
Answer questions to let the tool know you and tailor its career suggestions to suit you. Input 'type of job' you want, the 'working lifestyle' you need, the 'you've studied', your 'skills and qualifications', and your 'passions'.



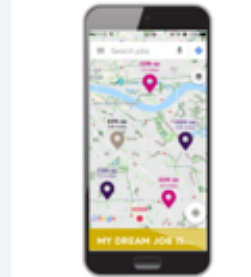
Based on 'search-wired' results, the tool will suggest different occupations and industries, and compare likely outcomes - earnings, satisfaction rating, future-proof and how strongly your skills match.



Understand how to get the right job with a personalised career action plan broken down. See when to make bigger decisions (GCSE's, apprenticeship, university career change) and when you have space for experimenting and reflection. Be nudged and signposted to make you take your next action and move forward along your journey.



If it's a job or education, input your location and see where your real opportunities are right now in real time! See location, cost of commute and expected salary.



Have wild job adverts and employers suggested to you daily. Tailor these to your desired occupation, lifestyle or dream location - click through to connect to the job advert - and let the future become now!

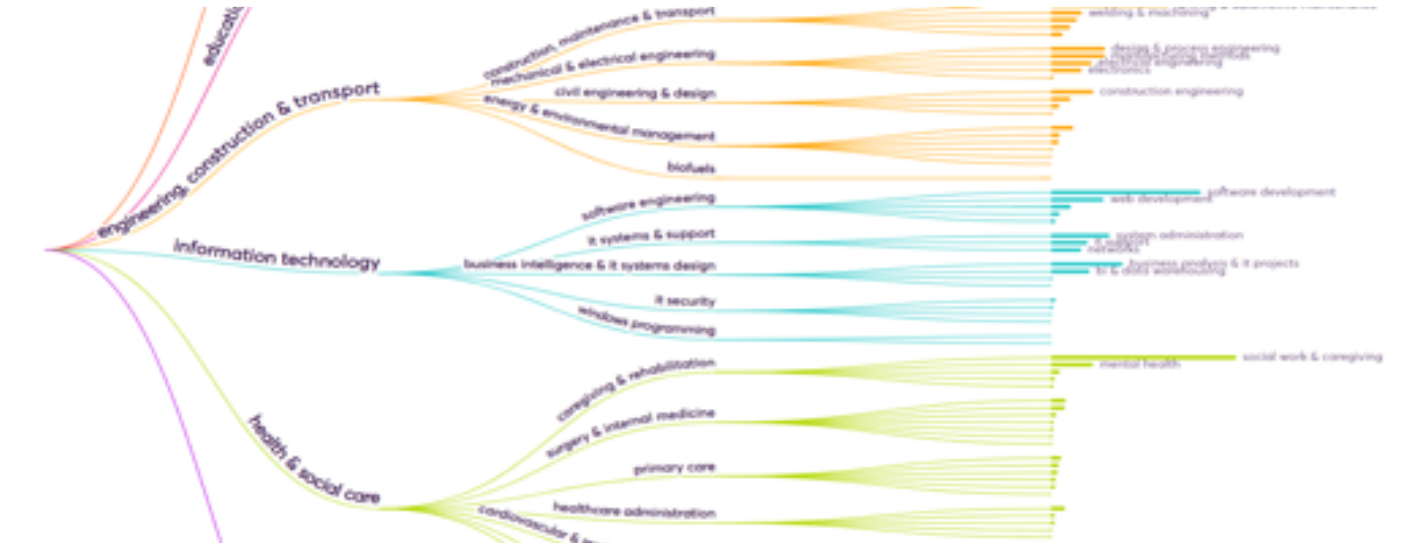


**Tim, 52, Sales consultant.**  
**Problem:** He is at risk of becoming unemployed with out advertising Technology  
**Solution:** Input skills to see what jobs require similar skills and where to apply to transfer to her dream job.  
 See how jobs evolve and choose knowing your job will be safe in 2030.

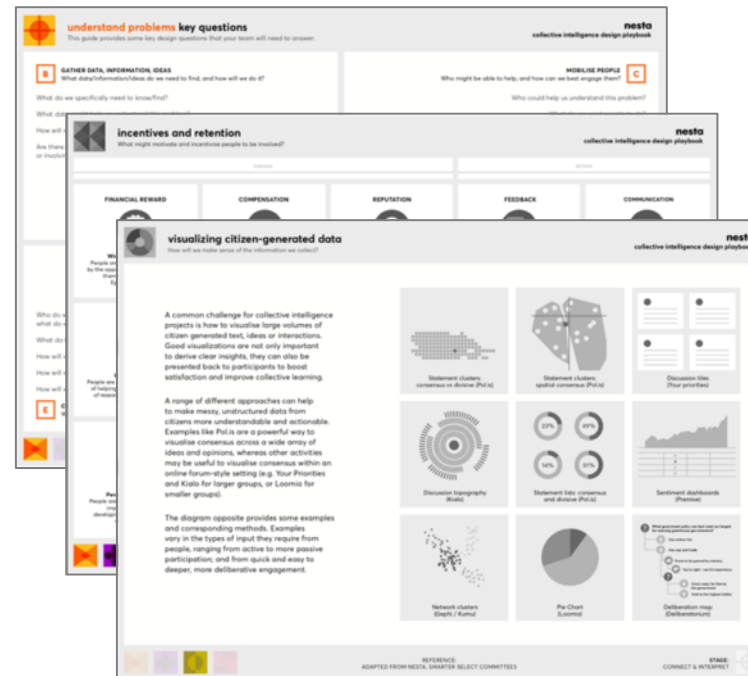
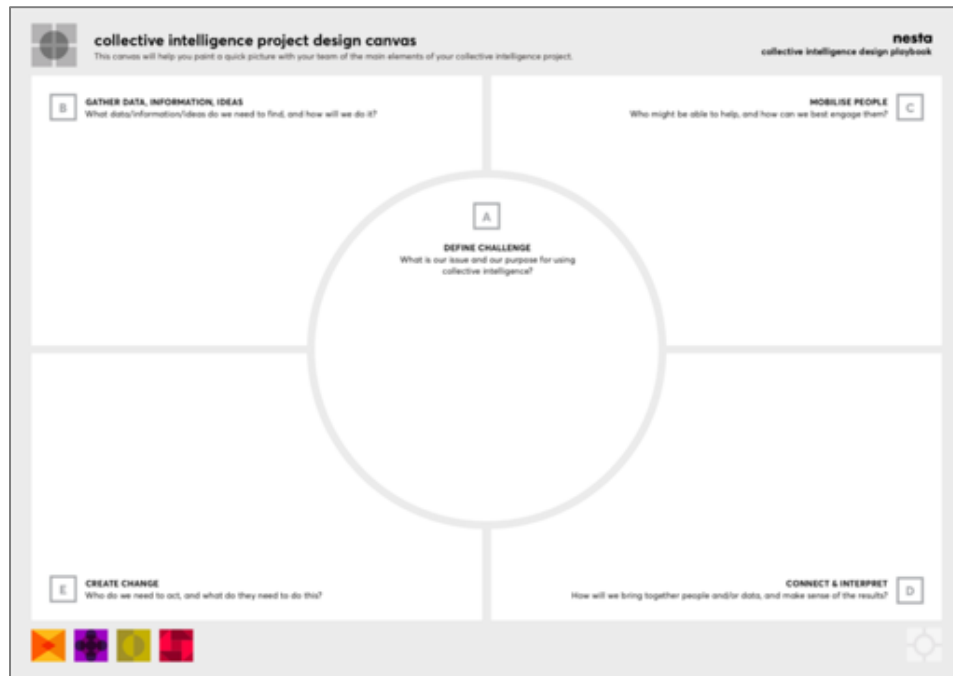
**Sarah, 36. Single Mother of 2, personal trainer.**  
**Problem:** juggling busy home life and financial stress. Dreams of an online sports coaching offer.  
**Solution:** input your skills and dream-worklife into the search wizard, and plot your new career journey. See what skills you need and where to study them to land that dream job!

**Billy, 15, Student.**  
Problems: stressed studying for GCSEs and has no idea what job he wants.

Explore job through videos and live chat! Go to [www.careerexplorer.com](http://www.careerexplorer.com) to hear what it's really like. Pick and plot your **journey** to get there.



# the collective intelligence design playbook





Geoff Mulgan



# SOCIAL INNOVATION

How societies  
find the power  
**to change**

P