

How digital innovation can shape poverty reduction and healthy lives in the future

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It's not about the technology per se

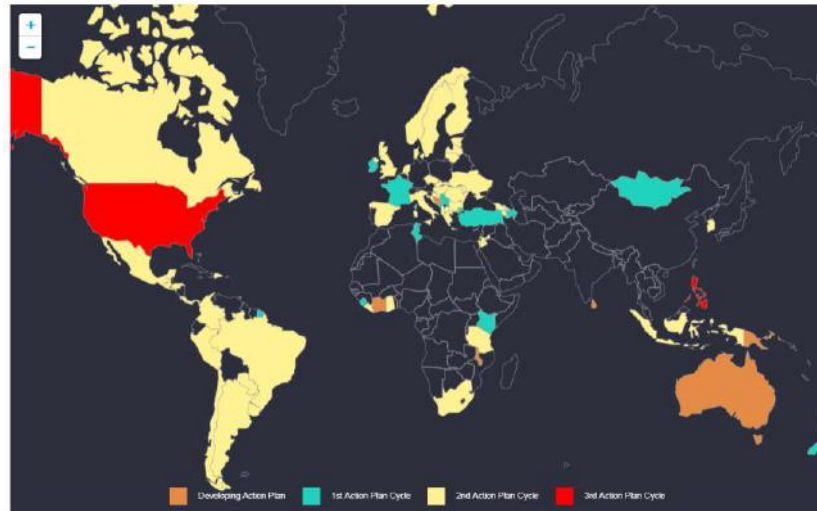
It's about the principles that these technologies support, and the leverage that these technologies can bring.

1. TRANSPARENCY
2. PARTICIPATION
3. DEMOCRATIZATION
4. CO-CREATION



Transparency

Trend: Open data

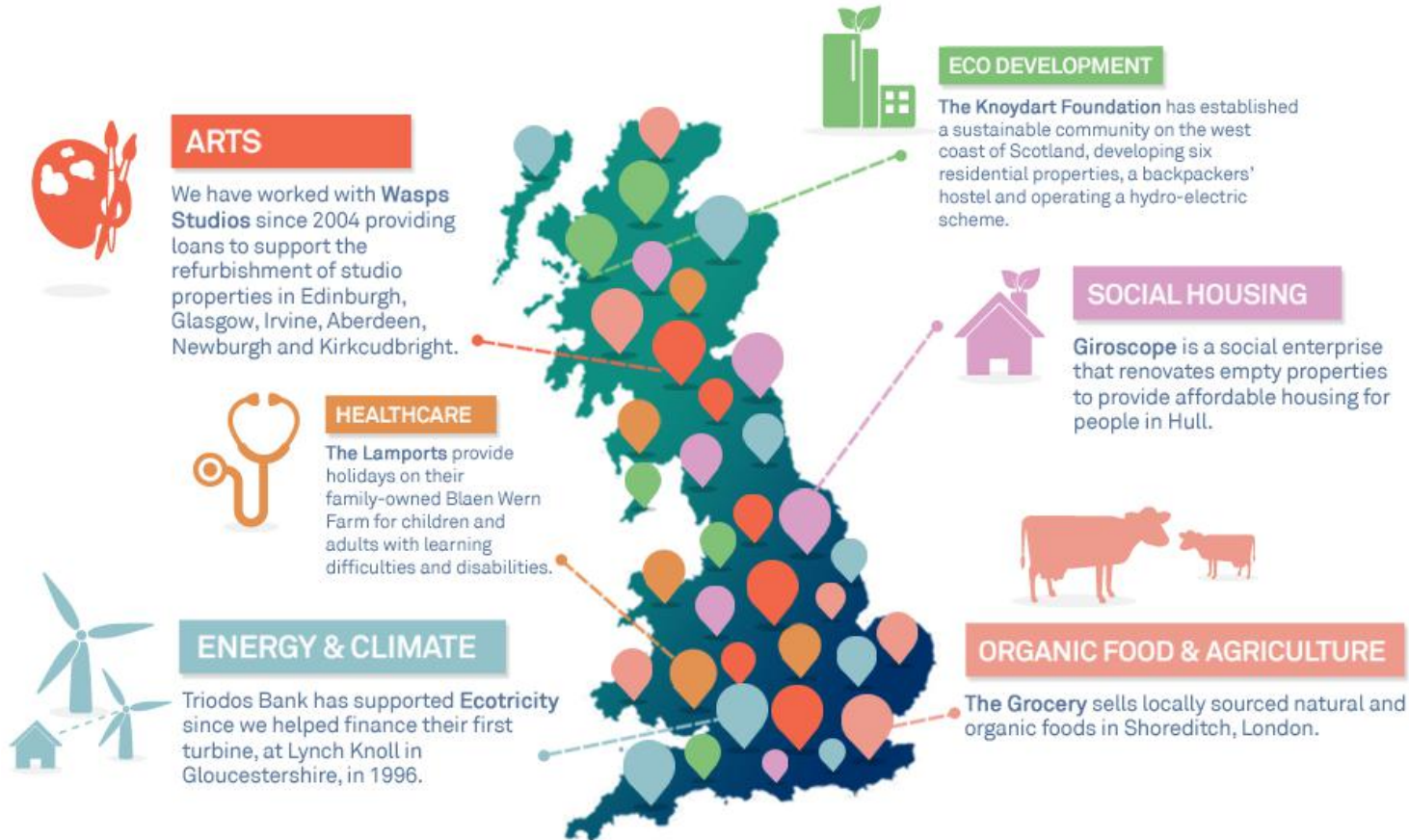


Open Budgets Portal

The **Open Budgets Portal** is the first effort to create a one stop shop to budget data worldwide with the hope of bringing visibility to budget efforts in this field, facilitate access and promote use of spending data, and motivate other countries into action. [Read More »](#)

Transparency

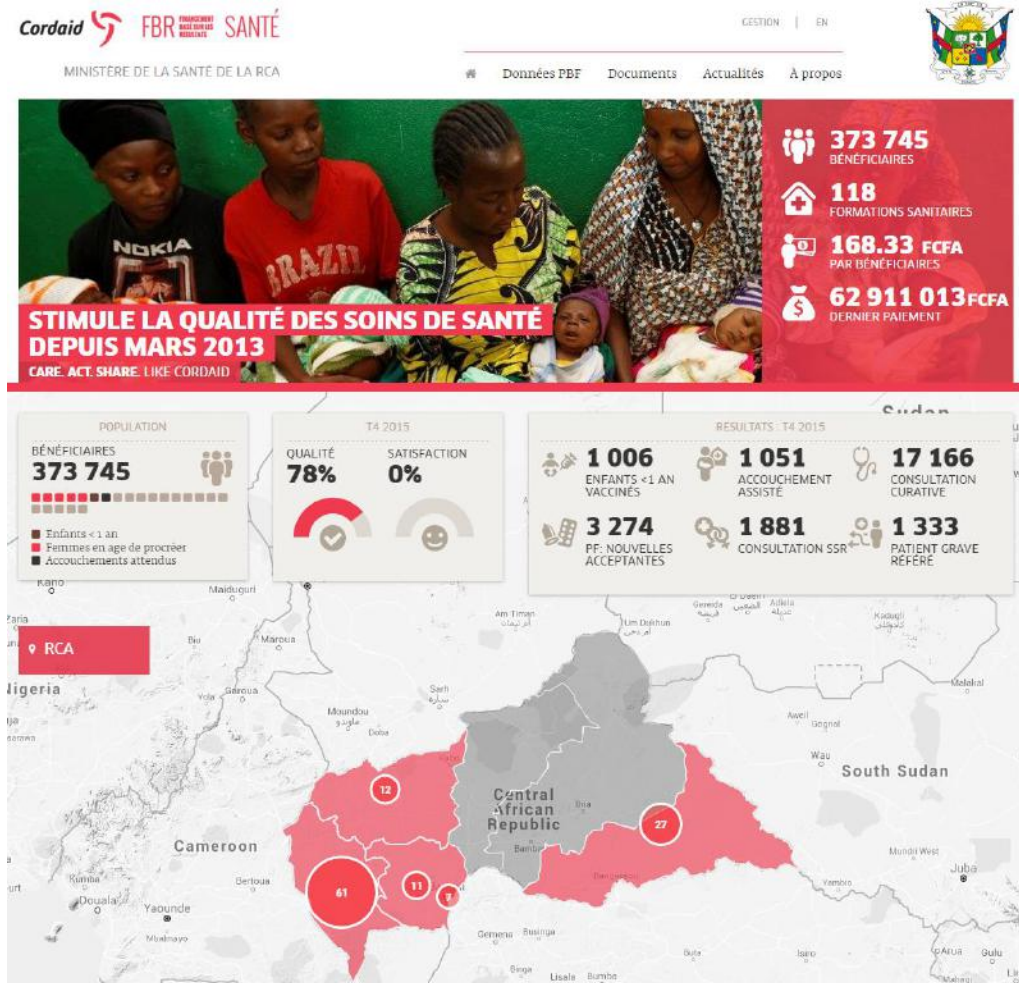
Transparency: A USP



Triodos Bank

Make your money make a difference

Enormous costs: Potential liability



Results-based financing of health

Transparency

Leverage these data: Enormous opportunity

- Benchmark:** Leverage the power of social cues, social norms, recognition to improve the quality of health care provided



Star system doubled condom sales



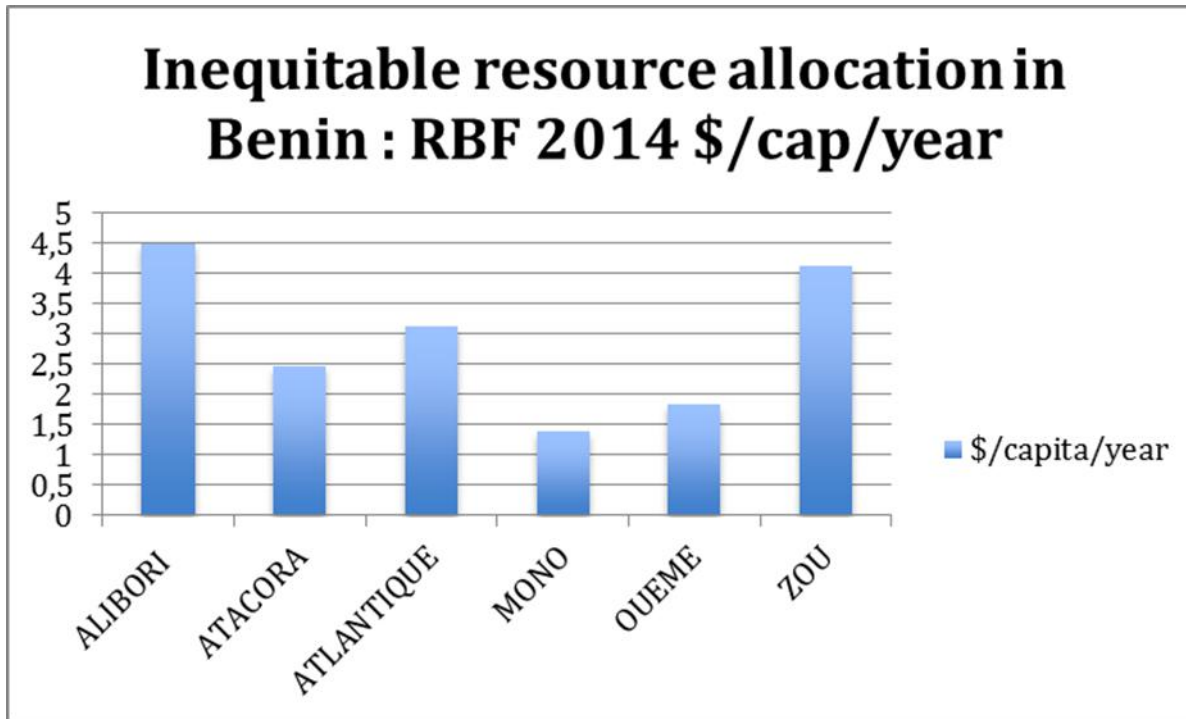
Positive deviance and malnutrition



Transparency

Leverage these data: Enormous opportunity

- 2 **Early detection:** Detect laggards or inequities, and prioritize actions accordingly, inform and inspire social movements/action



Transparency

Leverage these data: Enormous opportunity

3 Experiment and evaluate: Improve the efficiency and effectiveness of health care information, delivery

Causal relationships

Majority of medical interventions are randomized. Minority of interventions in health care delivery are randomized

Hospital management

Self-care

Who and how care is delivered



Transparency

Leverage these data: Enormous opportunity

4 Heuristics: Diagnosis and treatment based on machine learning and large population data

Predictive problems

Low value health care is not just due to the standard moral hazard explanation but also due to mispredictions

Some things that seem unpredictable may actually be more predictable than we think using the right data and empirical tools.



Transparency

Leverage these data: Enormous opportunity

5 Self-critical organizations: Nimble, flexible, learning, impact-driven organizing

Themes

▶ Health Care

Behaviours

▶ Increasing take-up health insurance

Country	Start date	Approach	Rating (June 2011)
Benin	June/09	Introduction of universal health care system	★★★
Senegal	Jan/08	Scaling up community based health financing	★★★★★
...			

Transparency


Participation

Trend: Patient generated data

patientslikeme®

Already a member? Sign in.

conditions, symptoms, treatments...



Live better, together!™

Making healthcare better for everyone through sharing, support, and research

Join now

(it's free!)



Learn from others

Compare treatments, symptoms and experiences with people like you and take control of your health



Connect with people like you

Share your experience, give and get support to improve your life and the lives of others



Track your health

Chart your health over time and contribute to research that can advance medicine for all

Participation

Crowd-funding



What is Spacehive?

Spacehive is a crowdfunding platform with a purpose: to make it as easy as possible for as many people as possible to bring their civic environment to life.

Whether you want to transform a playground, bring an old building back to life, spruce up a park, or create something completely new, Spacehive enables people to attract support for projects that make places distinctive, lively and loved.

We do this by providing tools that help people to develop their project ideas, get noticed by crowds of people, companies, councils, and the media, and attract funding to make great projects happen.

About us
[Our team](#)
[Blog](#)
[Press](#)
[Contact us](#)
[Help Centre](#)

Total value of funded projects

£4.7M

Average value of projects

£29.3K

Campaign success rate

44%

Cities, towns and villages with
Spacehive projects

68



Fund healthcare for people around the world

16,992 people have funded healthcare for 7,192 patients in 23 countries.

[Support a patient](#)



Participation

Direct feedback



Participation

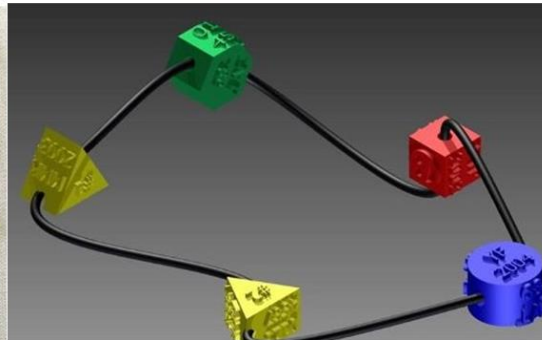
Community oversight and monitoring



Participation

Democratizing

3D Fabrication



Democratizing

Lead user innovation



Of university surgeons responding to a survey, 22% reported developing or improving some item(s) of medical equipment

Lead user surgeons expected that solutions to problems encountered in their own practices where the primary benefit

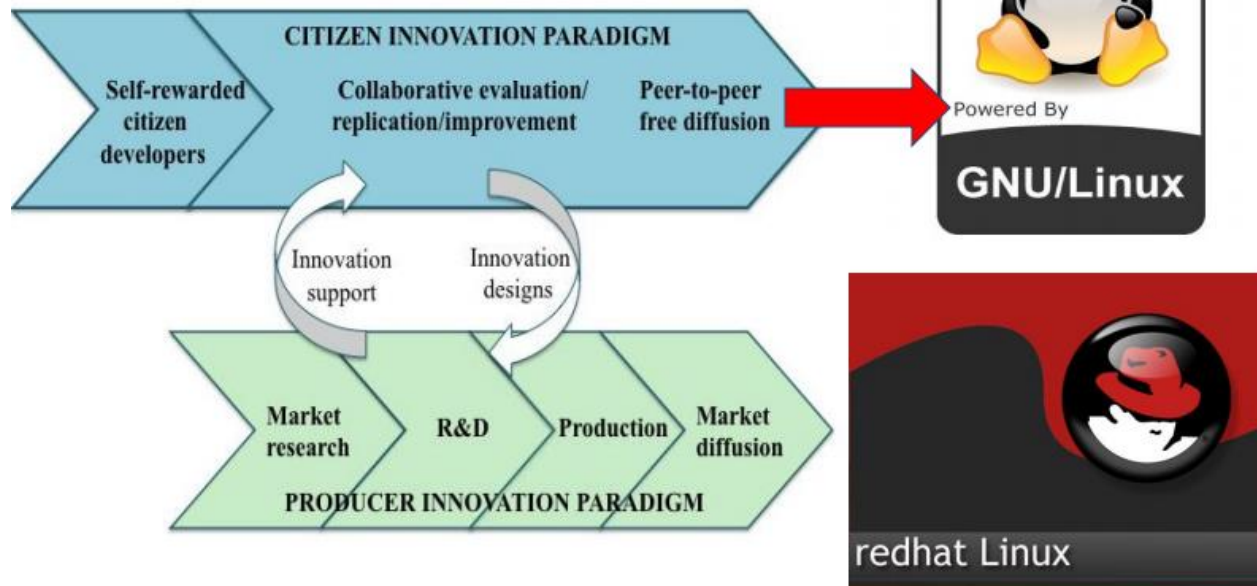
The innovations had commercial value: 48% percent were soon or would be marketed by manufacturers of medical equipment

Democratizing

Citizen innovation and entrepreneurship

Citizen innovation increases social welfare:

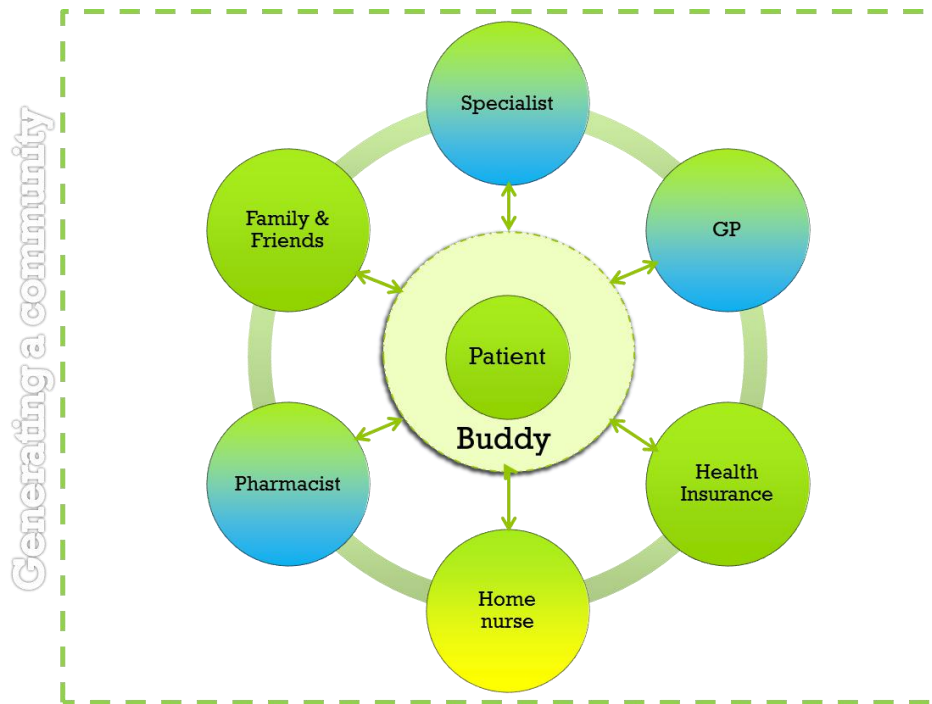
Citizen innovations can
compete with producer products
and can force down producer prices



Co-creation

Trend: Me to we mindshift

“Health isn’t something that can be handed to people, it is a state that they must produce themselves by interacting with a health care system... Providers and recipients co-create health.”



Last Mile Problem: Push for collaboration



Co-creation

HIV prevention: Sugar daddies



 **Young 10ve**
Connecting youth with life-saving information

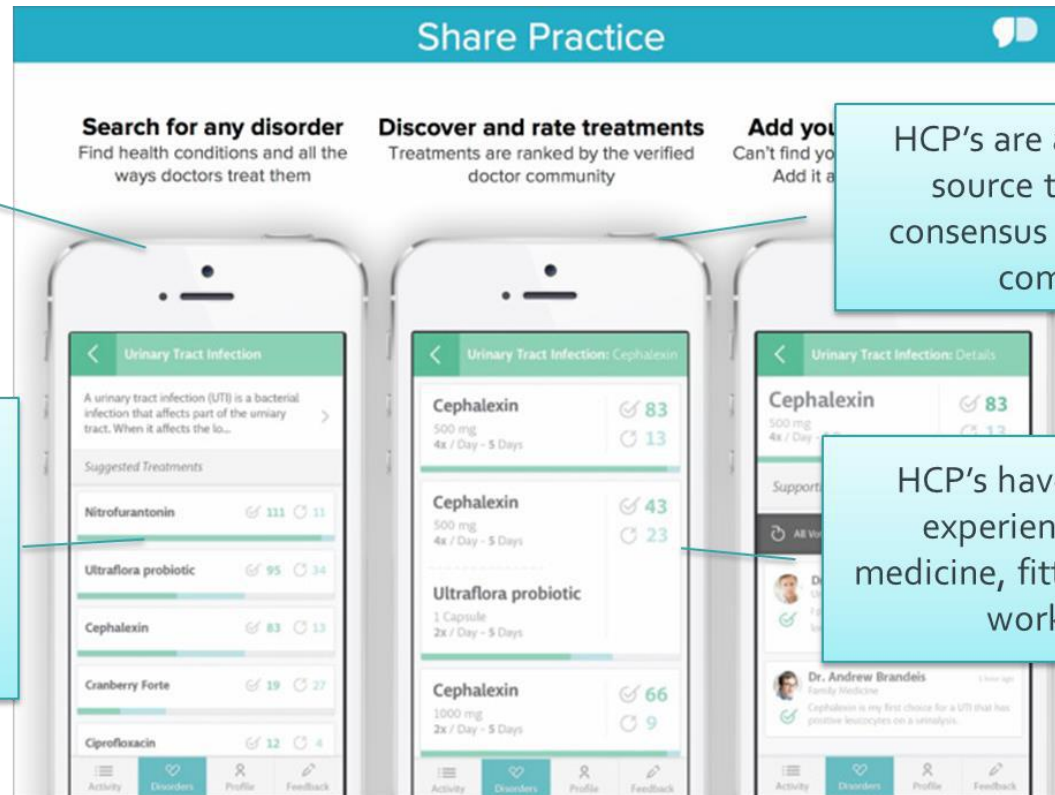


Co-creation

Collaborative clinical reference tool

"For HCP's taking a risk on the right decision is more costly than the status quo"

HCP's put on their own protocols and review and rate others' by up-voting or down-voting



HCP's are able to crowd-source the real time consensus of the medical community

HCP's have access to experience-based medicine, fitting into their workflow

Co-creation

3D Glasses



Collective impact approach

Five key characteristics of a collective impact approach

Common agenda	Real progress depends on important actors from different sectors, disciplines and organizations – corporations, civil society associations, government agencies, academics, activists, and hybrid organizations like social enterprises - working together towards a common agenda .
Shared measurement	Real progress depends on working hard toward the same goal, measuring results consistently across all differentiated approaches, increasing cross-sector alignment and learning . This also helps participants to hold each other accountable.
Mutually reinforcing activities	Participants must be differentiated while still being coordinated through a mutually reinforcing plan of action.
Continuous communication	Consistent and open communication is needed across the many players to build trust, assure mutual objectives, and create common motivation .
Backbone support	Creating and managing collective impact platforms requires a separate organization(s).

Thank you –

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