

OPEN SUSTAINABILITY ENVIRONMENTAL REGULATION

 @JackTownsend_



UNIVERSITY OF
Southampton

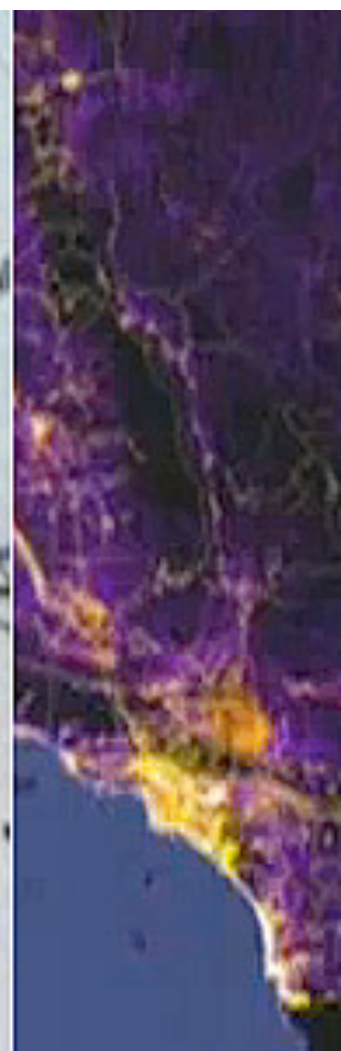
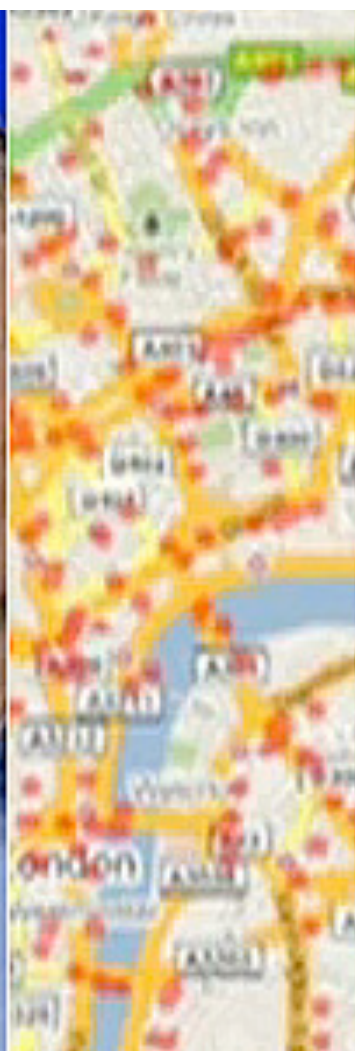


Open Knowledge
Foundation

CLEANWEB
UK



OPEN DATA



OPEN DATA



OPEN
KNOWLEDGE



CREATIVE COMMONS

NATURAL COMMONS

OPEN SUSTAINABILITY

WHAT CAN OPEN SUSTAINABILITY MEAN FOR ENVIRONMENTAL REGULATION...?

Hope to **explore** topic and develop a **conversation**

Some initial thinking:

TRANSPARENT INTERACTIONS WITH NATURE

Making the **invisible** visible

Open up data on both

NEGATIVE (IMPACTS) + POSITIVE (SERVICES)

To build

AWARENESS + ACCOUNTABILITY

Self-improvement

“you manage what you measure”

External oversight

e.g. TRI

Need to demonstrate

TRUSTWORTHINESS + FAIRNESS

of

REGULATION ITSELF + IMPLEMENTATION

Especially key financial regulations e.g.
carbon pricing

Regulation depends on functioning

POLITICAL/LEGAL SYSTEM + ENVIRONMENTAL SCIENCE

Transparency can combat
corruption

Ensure **good governance**

Developing world ->
high **biodiversity**

A more **open environmental science** –
show your working!

Implementation

trustworthy **scientific measurements**

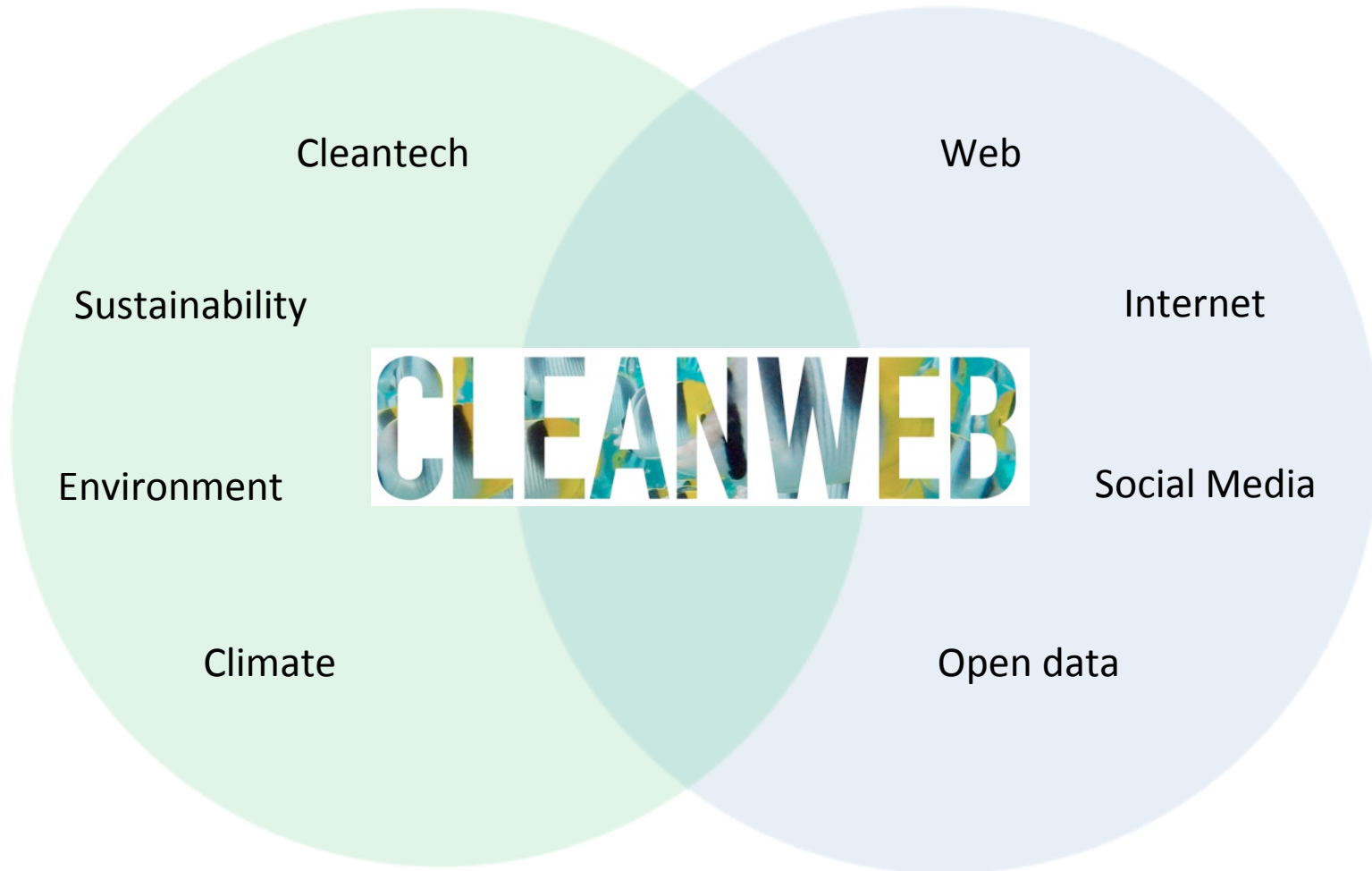
Justification

new tools with **open data** can
communicate the science better

INNOVATION







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SPECIAL REPORT: ENERGY

Harnessing the Net to Power a Green Revolution



“For me, it’s about bringing the optimism and the creative energy of the Web to the big challenges of sustainability,” said Jack Townsend, an organizer of Cleanweb U.K., a network of British entrepreneurs and technology experts. “It’s early days right now, but it’s very fast-developing.”



SOCIAL INNOVATION

Effective **environmental regulation** requires such interdisciplinary social innovation

Social innovation is as important to environmental sustainability as technical innovation

Opening up knowledge can help

OPEN SUSTAINABILITY

LEGAL ACCESS

TECHNICAL ACCESS

AWARENESS

COMMUNITY

NOT A MAGIC WAND...

REGULATING ICT FOR SUSTAINABILITY

ICT → Regulation → Sustainability

Regulation → ICT → Sustainability

How to regulate **open sustainability itself**, cleanweb and the whole of “cleantech”?

Complex process of innovation with **myriad positive** and **negative consequences**

Lot's of **challenges**: rebound effects, unintended consequences, privacy, globalisation, eWaste, cheating...

What are the **regulatory incentives** at our disposal?

TAKE PART

sustainability.okfn.org

 @JackTownsend_

ICT ALLOWING: EXPONENTIALLY MORE...

CAPTURING INFORMATION

TRANSMITTING INFORMATION

PROCESSING INFORMATION

A “rapidly draining ocean”

HOW TO REDUCE CORPORATE EMISSIONS?



Carbon Disclosure Project Report 2012

722 investors with assets of \$87 trillion

