Societal Readiness Framework for place-based innovation

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ToC

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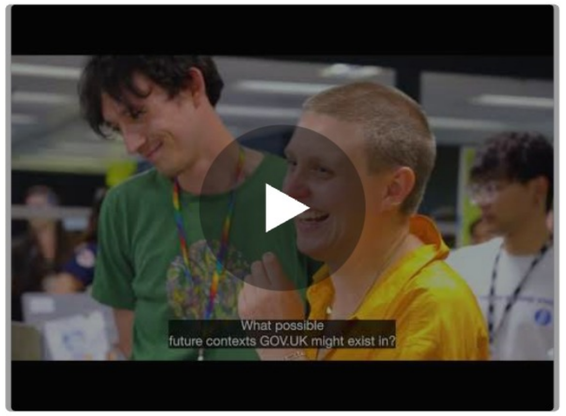
Societal Readiness Framework for place-based innovation

Government Digital Service



Anticipatory design with GOV.UK [2023]

YouTube | Updated 07-11-2024 @ 20:56 GMT+00:00

Design for Public Sector Innovation (public policy and services)
Design-led anticipatory innovation

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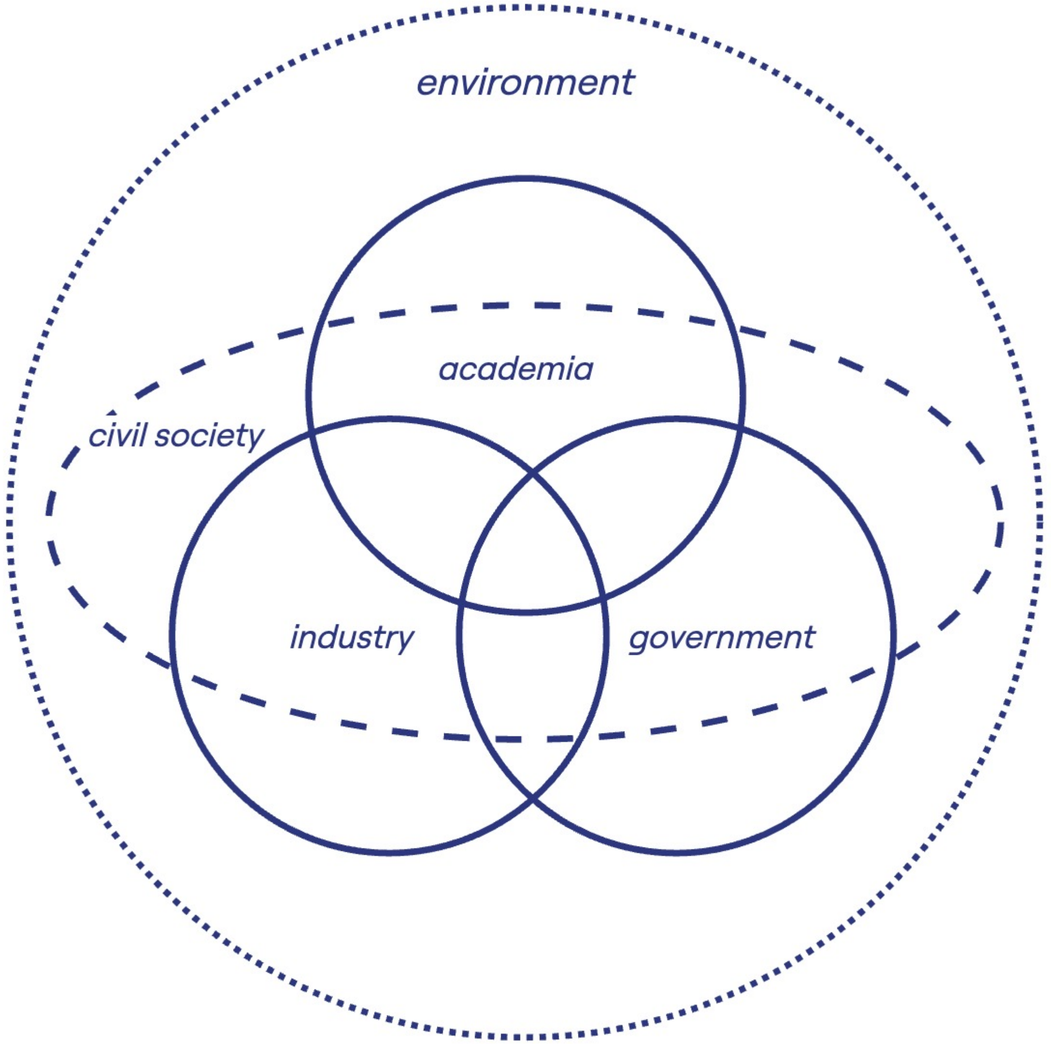
business-as-usual is not fit to tackle the complex challenges of our time

technological innovation alone is not good enough and social factors must be considered

design (as a process) enables alternative and complementary ways of working



Quintuple Helix of Innovation

1. the building blocks: societal readiness levels

DecarboN8

The DecarboN8 network focused on tackling surface transport emissions.
The network, worth £1.25m and funded by the Engineering and Physical Sciences Research Council (EPSRC), will comprise experts from the N8 Research Partnership, a collaboration of the eight most research intensive universities in the North of England, as well as experts from Government and industry.

SoRA

technological innovation alone is not good enough

innovations fail for lack of attention to social factors

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can you think of an innovation gone wrong?

Technology Readiness Level (TRL), **Market Readiness Level** (MRL) and **Societal Readiness Level** (SRL) are frameworks to assess the maturity, feasibility and impact of innovations. Each framework provides a structured approach to assess different aspects of an innovation and guide its development.

New table

TRL assesses the technical feasibility of a technology. Originally developed by NASA, standardised and widespread.	TRL: Innovations fail if they are not technologically feasible
MRL assesses the readiness of an innovation to enter the market. Less standardised but gaining adoption.	MRL: Innovations fail if they are is no market for them.
SRL assesses the impact of an innovation on society and the environment. Novel, less standardised and gaining adoption.	SRL: Innovations fail if they harm people or the planet.

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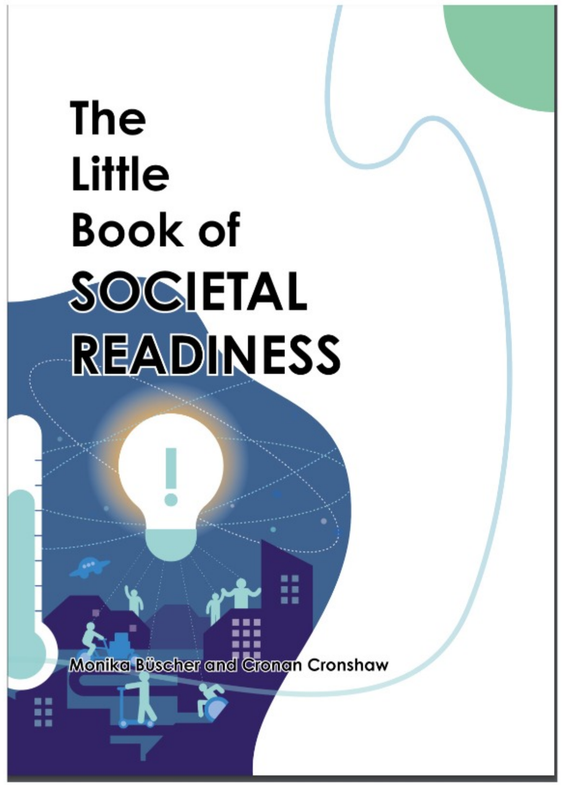
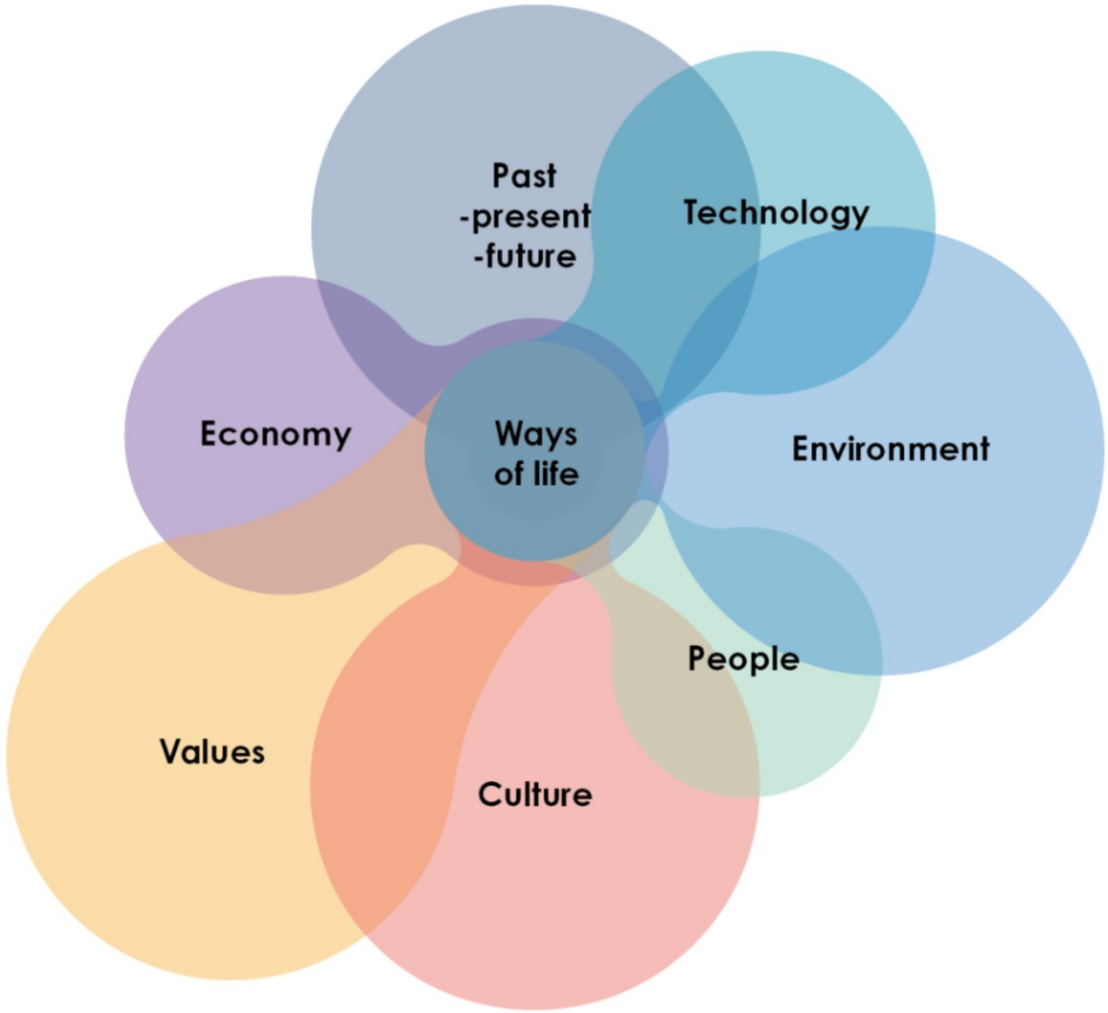
Social Readiness is about innovations being ready: good for people and places



(Buscher & Cronshaw 2022)



From tackling surface transport emission to a **framework for place-based responsible innovation**

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Take away:

framework for place-based responsible innovation

informed by international research

in tune with Responsible Research Innovation (RRI) frameworks and desire for standardisation of evaluative frameworks

counter the existing bias towards techno-fixes and short-term solutions

2. unique SoRA proposition

What is unique about SoRA framework for place-based responsible innovation?

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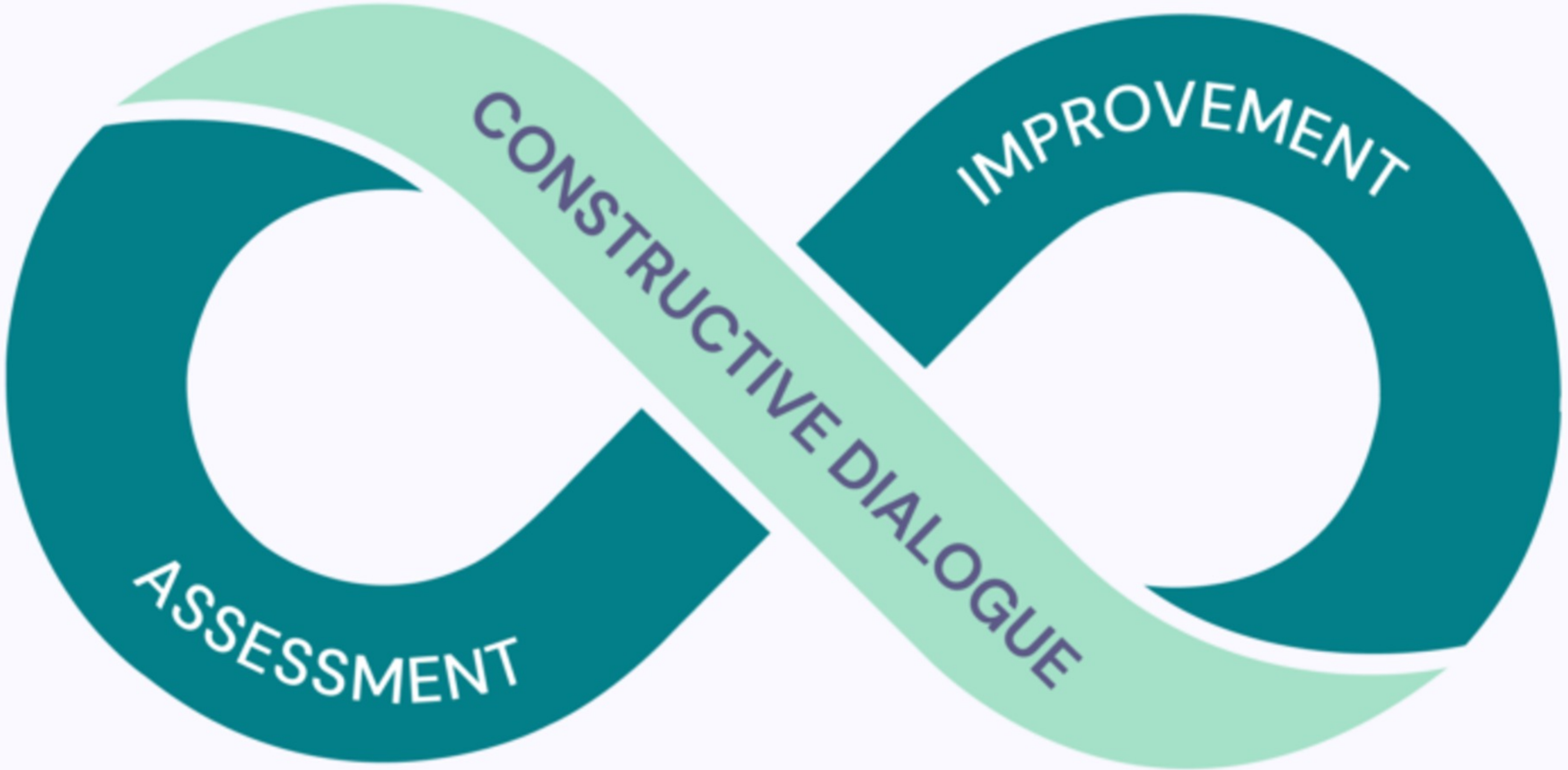
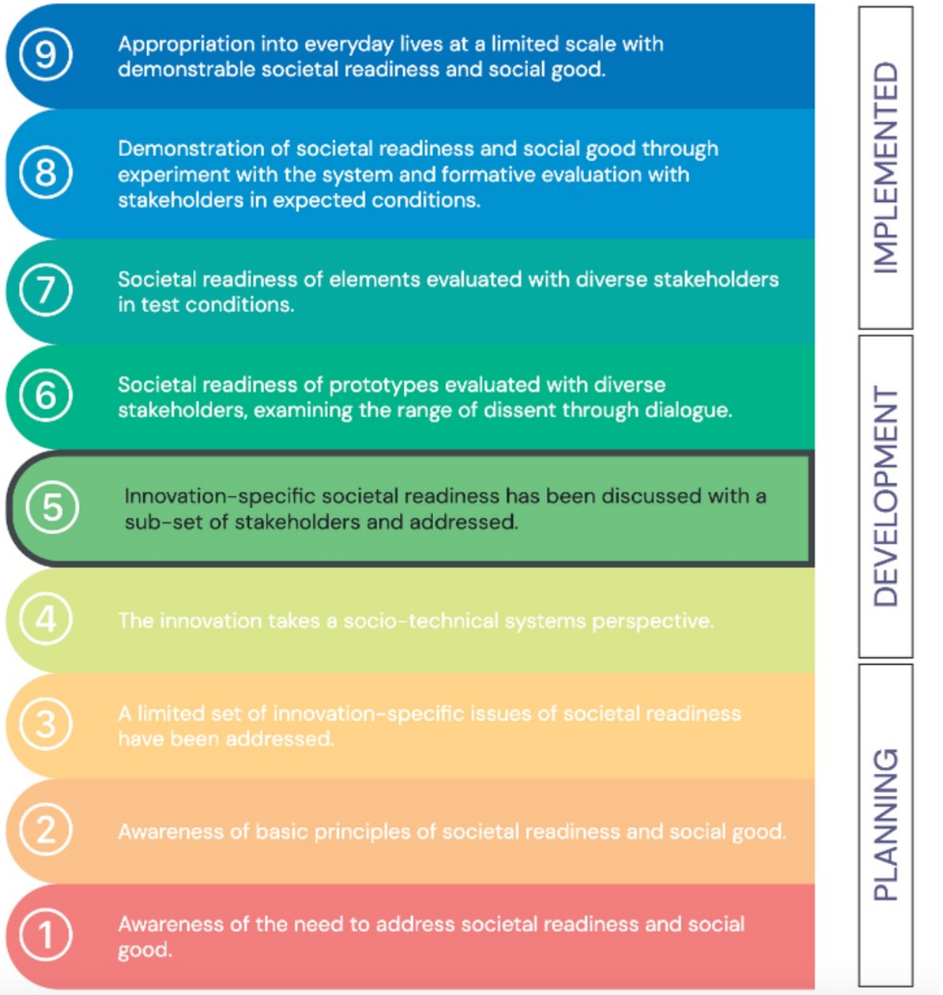
Award winning team:
Transport Research and Innovation Academic Leadership Award 2023


IMPROVEMENT
CONSTRUCTIVE DIALOGUE
ASSESSMENT

The societal readiness of innovations is defined in relation to four dimensions:

1. **Carbon reduction:** the innovation maximises carbon reduction and is in alignment with key strategic priorities and targets
2. **Social justice and EDI:** the innovation considers a wide range of stakeholders views to ensure equity, inclusion and fairness.
3. **Social good:** the innovation contributes broader social, environmental and economic co-benefits.
4. **Fit for a decarbonised society:** the innovation is in alignment with existing and preferable future systems.

Awareness + Ambition + Deliver-ability



How to improve your SRL?

CARBON REDUCTION	SCORE 6/9
SOCIAL JUSTICE	SCORE 6/9
SOCIAL GOOD	SCORE 6/9
FIT FOR A DECARBONISED SOCIETY	SCORE 6/9

Click on the legend below the graph to see your score for each section with regard to Awareness, Ambition & Deliverability

Your responses suggest that:

This is good! Societal readiness is a complex challenge. To improve further, utilise the SoRA Toolbox. Use the SoRA Stakeholder and Value Mapping tools to strengthen your efforts. Use the SoRA Facilitating Dialogue and Dissent tool to make the most of diverse perspectives.

PART 2 - SOCIAL JUSTICE

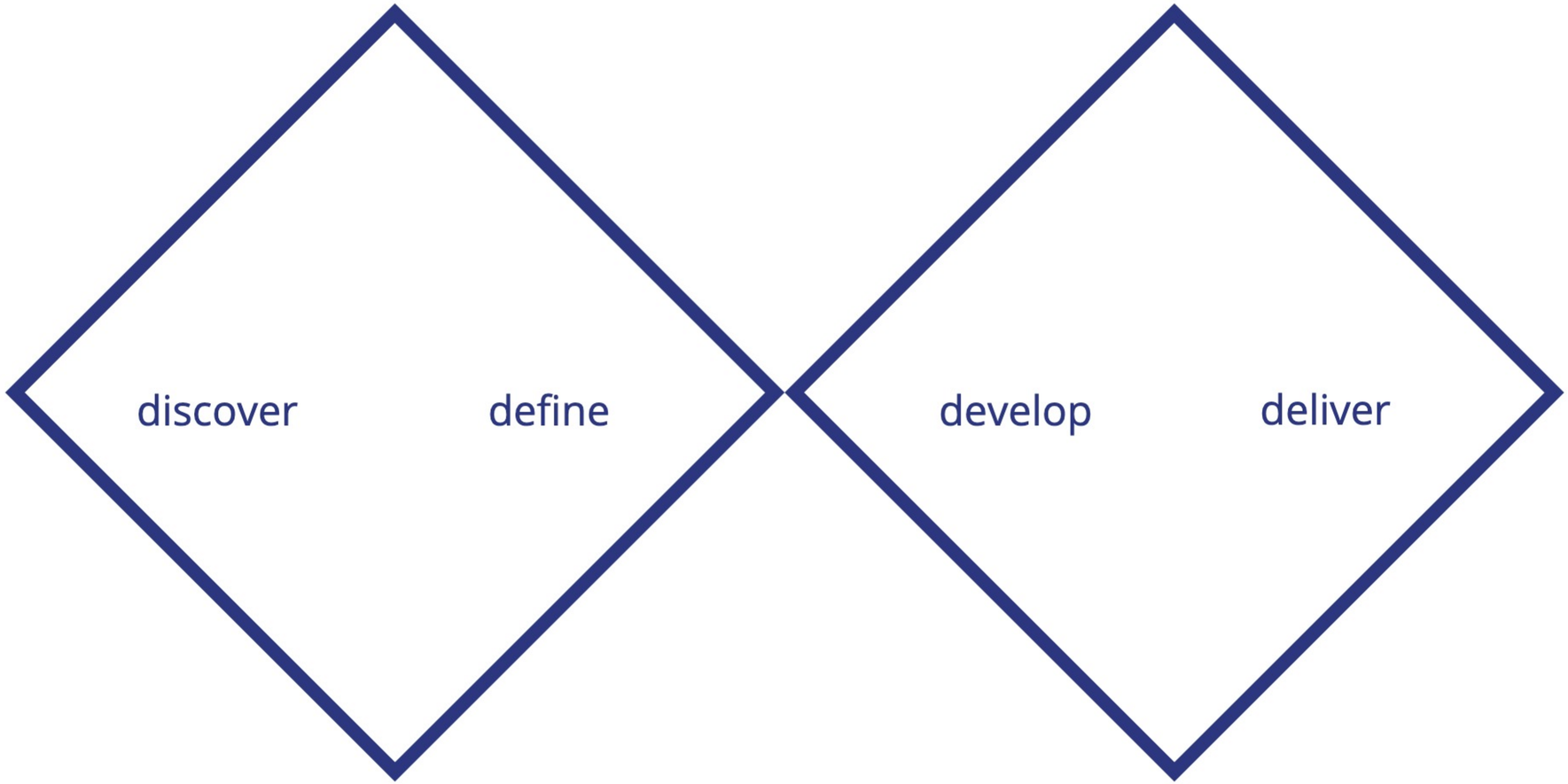
Embedding consideration of equity, inclusion and fairness, engaging a wide range of stakeholder views in the project's design and development.

Your results for this section:

Action in this area would boost the societal readiness of the innovation. Social justice is essential to achieving an inclusive low carbon transition. It is an end in itself, of course, and employing social justice as an orienting principle can also increase the political feasibility of low-carbon policies.

Your response suggests that you could increase your awareness and ambition for social justice, and improve the deliverability of your ambitions.

1. Demonstrate alignment with carbon reduction targets.
2. Better integrate an innovation within existing local, national and international systems.
3. Articulate EDI value proposition and co-benefits for multiple stakeholders and localities, ensuring EDI.
4. Align an innovation’s impact with compelling visions of a better future.



Double Diamond Design Process

Take away:

place-based and context specific

assessment and support for improvement

informed by design approaches

supports innovation process at different stages

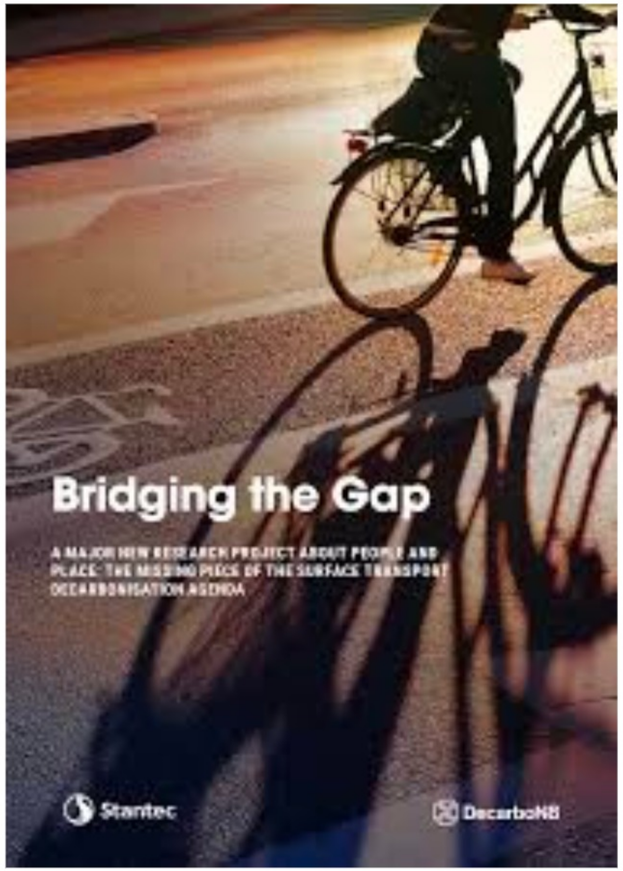
facilitates dialogue and agonism

3. SoRA in action

Stantec

"a source of inspiration and creativity"

"a method for formative assessment of the societal readiness of solutions and visions that enables critical attention to carbon reduction, social justice, social impact and fit for a decarbonised future"



Department for Transport

CIHT

Research & Innovation Policy Tool
Guiding efforts on place-based decarbonisation
Providing case studies to inform policy formulation

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SoRA

Ensuring responsible innovation at programme level

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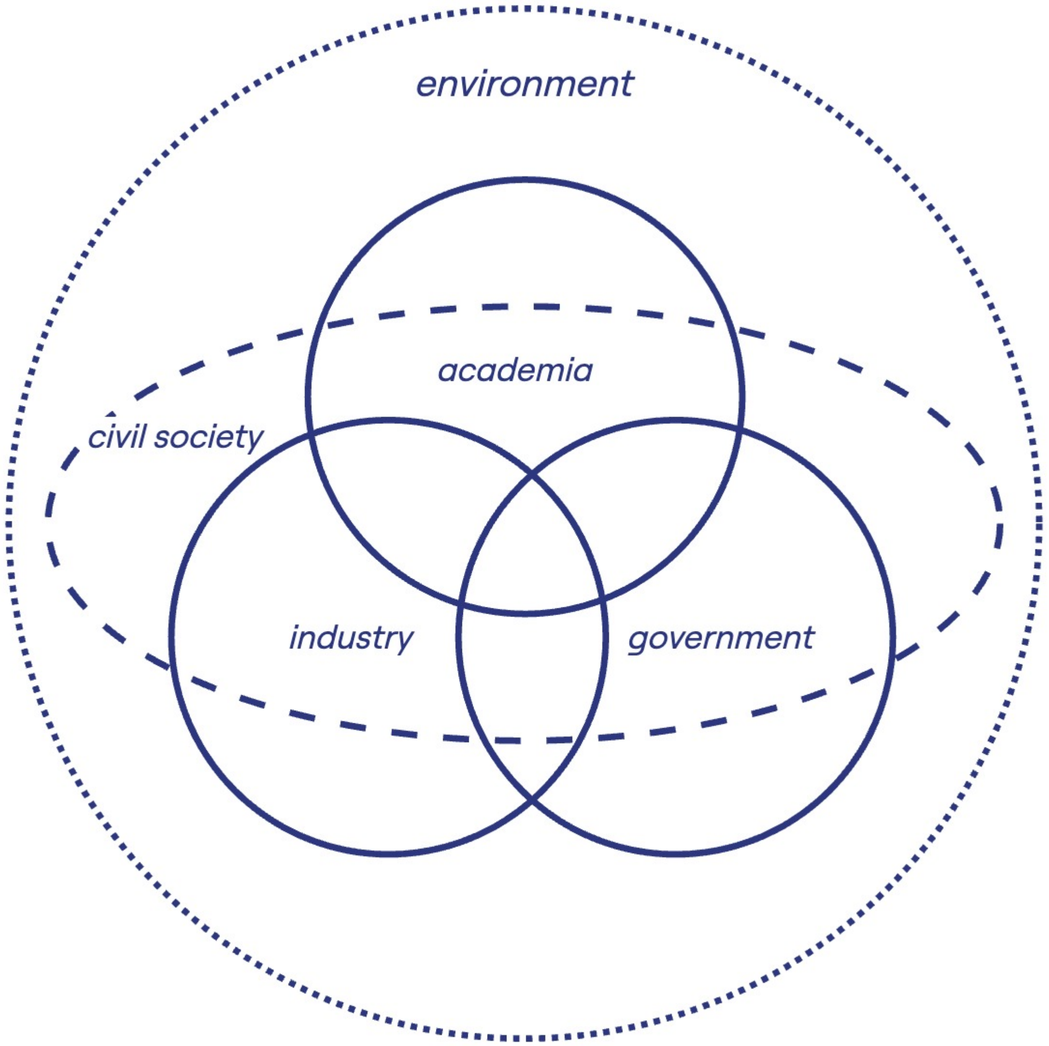
Align with strategic priorities at marco, meso and micro levels



Quintuple Helix of Innovation

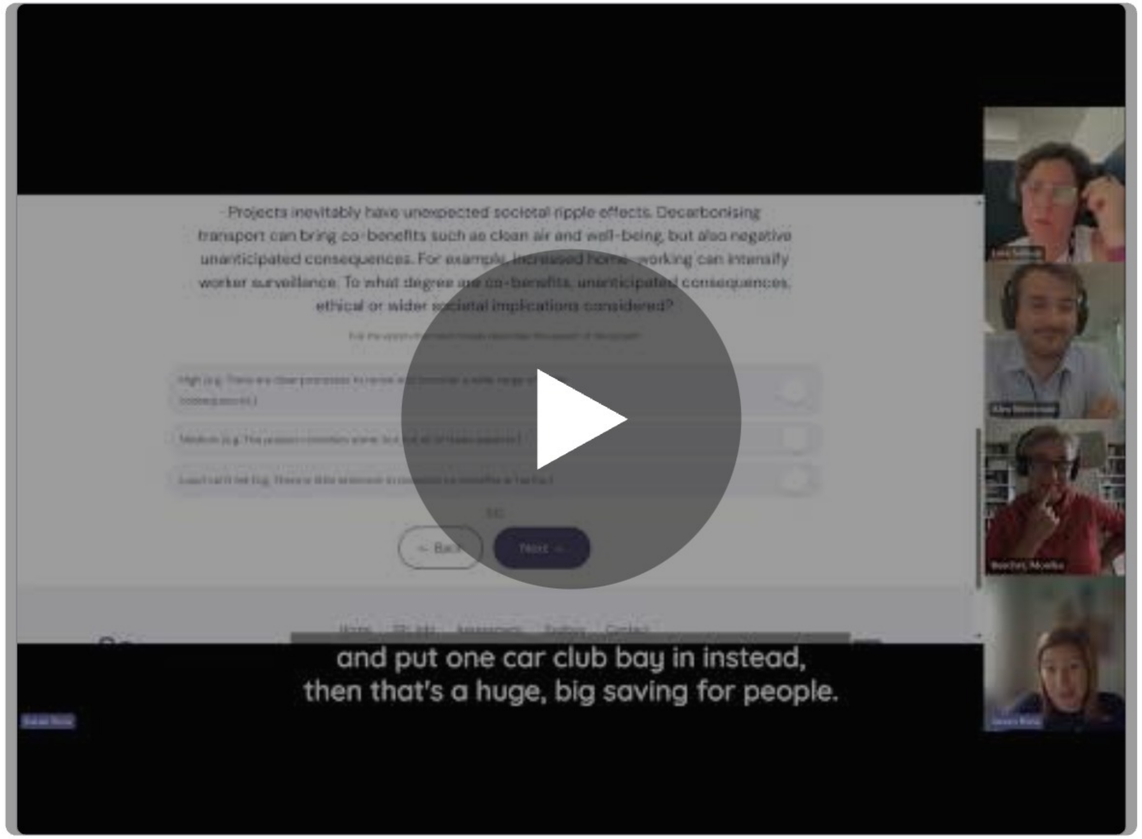
Formats:

Off-the-shelf

CPD
Training
Coaching
Masterclass

Consultancy
1-2-1
Workshops


INTEGRATION
PROCESS
IMPACT
04. Reflexive Canvas
Integration
Risks & Challenges
Strenghts & Opportunities
HOW SoRA WORKS
HOW TO USE SoRA



SoRA Dashboard: Carclub in a Box (September 2023)

YouTube | Updated 08-11-2024 @ 12:10 GMT+00:00

Decarbonising urban mobility, made socially responsive -...

YouTube | Updated 08-11-2024 @ 12:11 GMT+00:00

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Take away:

across scales: national, regional, local

across sectors

across public policy and public service

flexible delivery mechanisms depending on needs

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