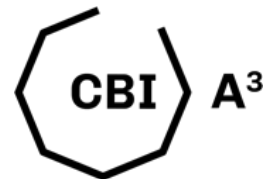
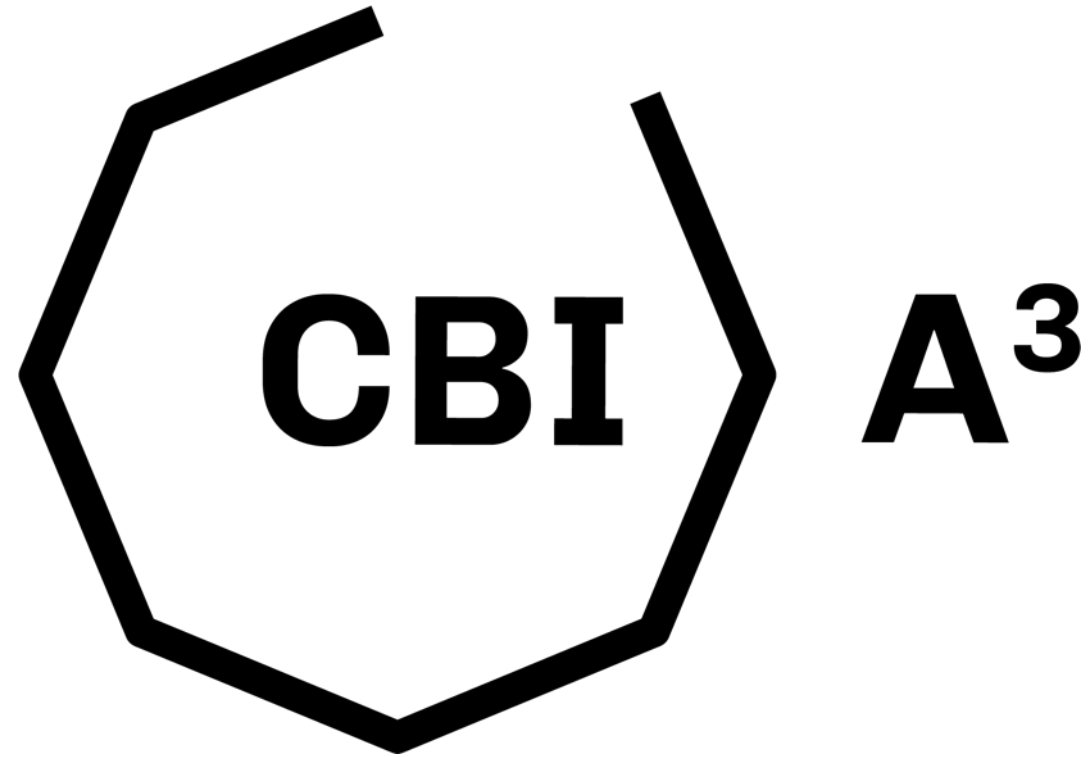


Drawing Inspiration from Futures





Prediction is very
difficult, especially
about the future.

Niels Bohr

~30 years from now

What will you be doing?

What were you doing in 1988?

What were you doing in ~1988?

- George HW Bush beat Michael Dukakis to be POTUSA.
- Floppy disks were a thing (a few years on from Windows 1.0).
- The Netherlands became the second country connected to the internet. (Australia still had a year to go.)
- Table tennis became an Olympic sport.
- Stephen Hawking released *A Brief History of Time*.
- Photoshop shipped (and I mean shipped) its first software.
- First World AIDS Day was held.
- NASA climate scientist James Hansen used the term 'global warming' in testimony to the United States Congress.
- The Morris worm was released, affecting about 10% of computers. It was the first worm to spread over the internet, and its author was the first convicted malware writer in history.
- World Expo 88 in Brisbane.
- In the US, CDs outsold vinyl records for the first time.
- World Population was ~ 5,070,000,000 (~9 billion in 2048).

And in 2058?

- Poverty and hunger
- Global crises
- Technology
- Health and disease
- Planet, climate and environment
- Research and exploration
- Entertainment
- Geopolitics
- Human security

And in 2058?

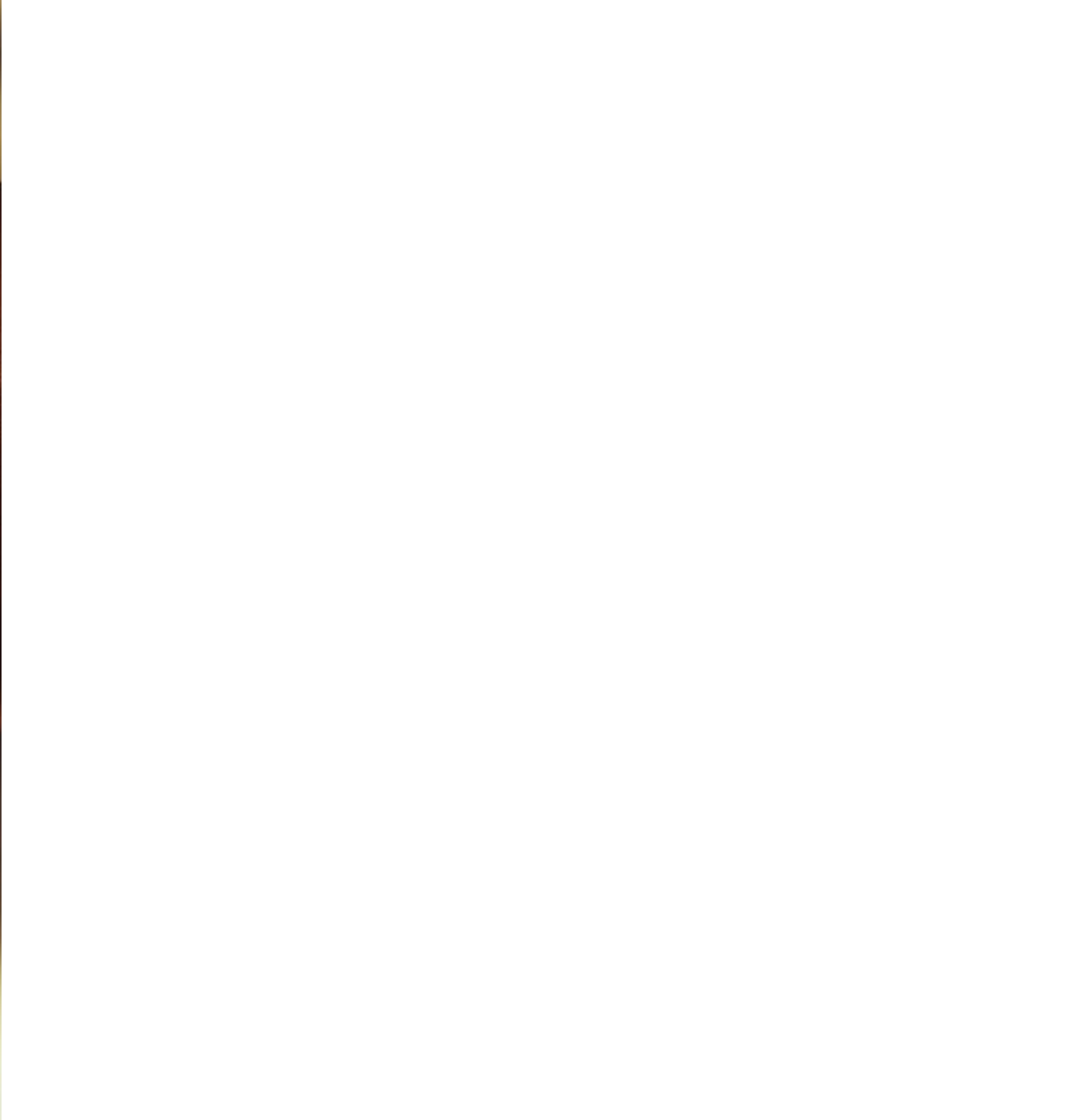
- How old will you be?
- Where will you live?
- Who is your family? Your community?
- Will you be working? What is work 30 years from now?
- What does life look like?
- What will you need?
- What do you use as transport? What do you eat? Wear? Use?
- How do you communicate?
- Do we travel? Where?
- How do we power our worlds?

- Opportunities vary by scenario – images of different futures
- Depiction not prediction
- There is no ‘one’ defined future.
- The craziest ideas of the future are often the most useful.
- Use different – longer – time horizons



<https://www.youtube.com/watch?v=31fEmEEQmn8>







Scan for trends + signals



Past



Now



Social

Technological

Economic

Environmental

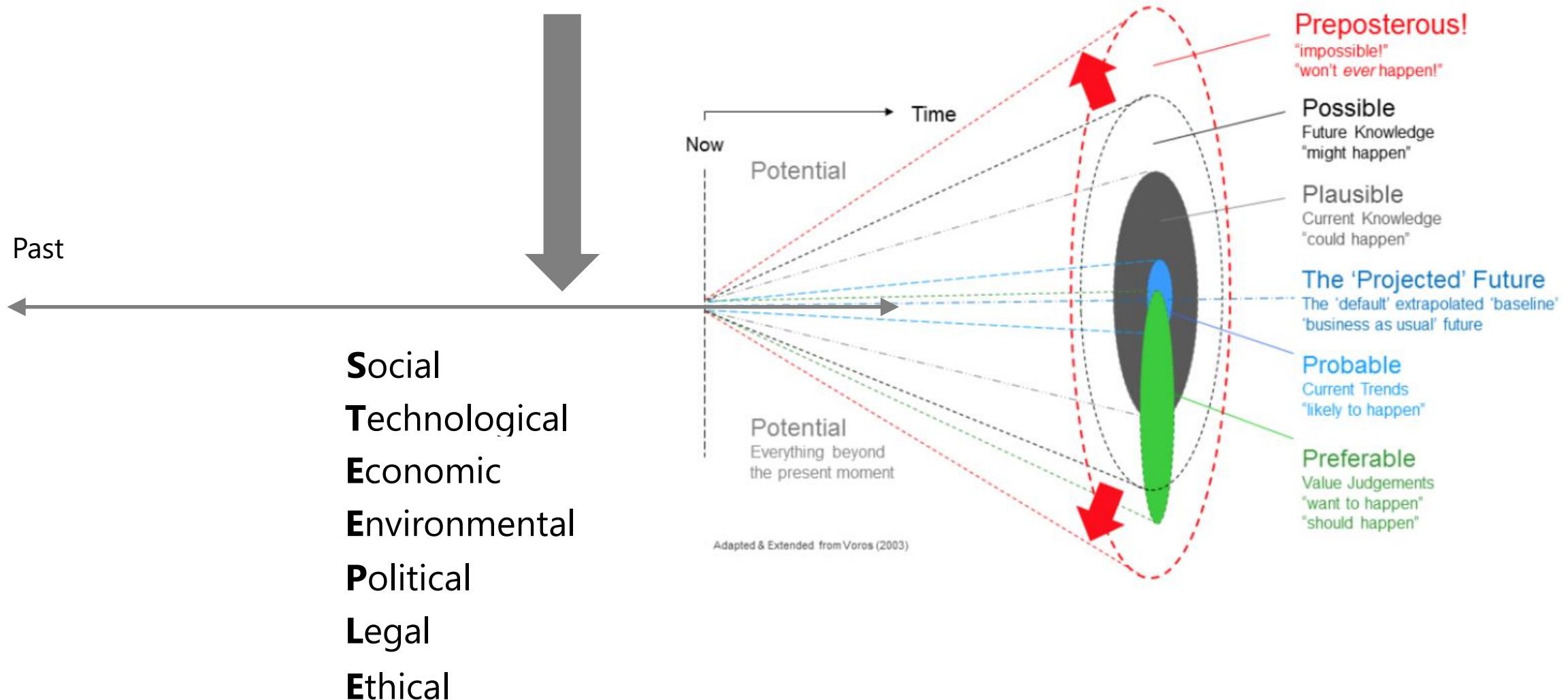
Political

Legal

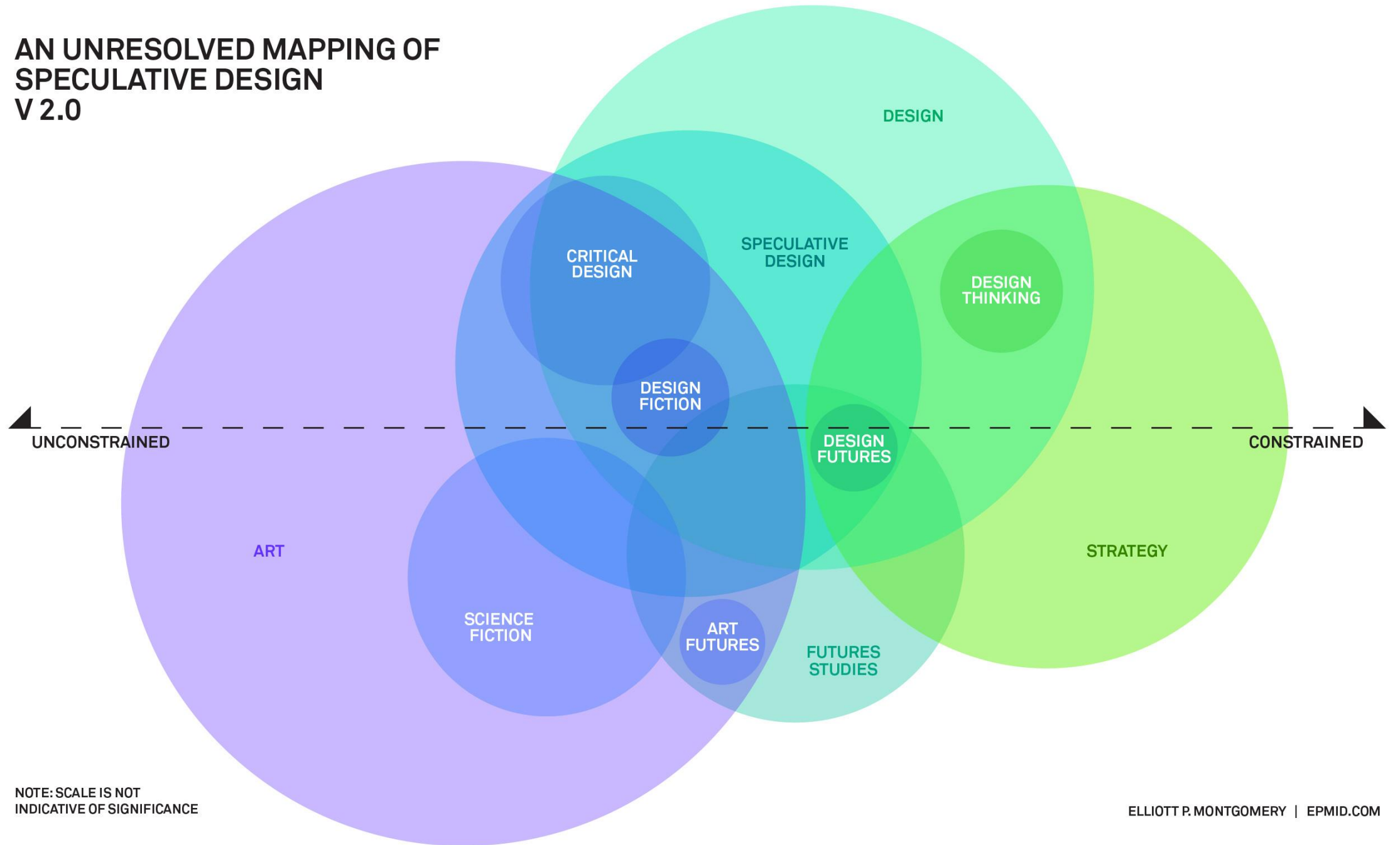
Ethical

Multiple potential future scenarios

Scan for trends + signals



AN UNRESOLVED MAPPING OF SPECULATIVE DESIGN V 2.0



NOTE: SCALE IS NOT
INDICATIVE OF SIGNIFICANCE

Superflux - speculative design



FILTERS

MENU



PROJECTS

A pragmatic experiment practicing hope for a future disrupted by climate change.



MITIGATION OF SHOCK (LONDON) ×

COMMISSIONER
SUNCORP,
CENTRE DE
CULTURA
CONTEMPORÀNIA
DE BARCELONA

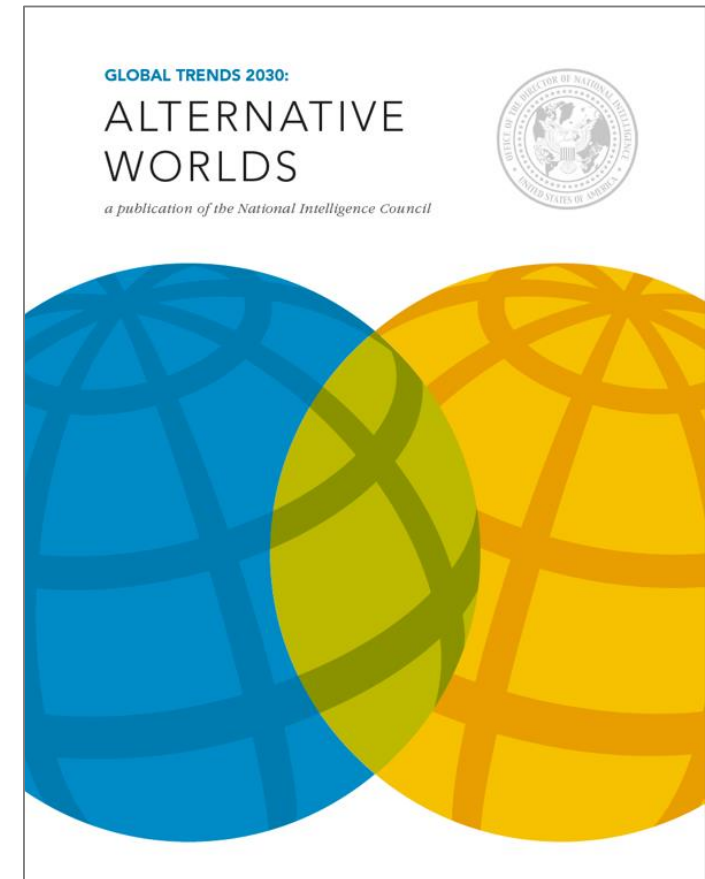
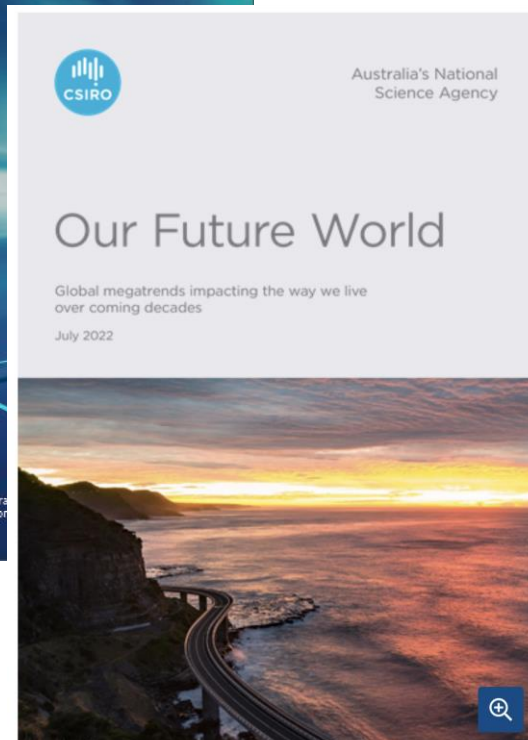
PROJECT LEAD
JON ARDERN

PROJECT TEAM
ANAB JAIN, MAËL
HÉNAFF,
MIKHAELA
DIETCH, JON
FLINT, VYTAUTAS
JANKAUSKAS,
JAKE CHARLES
REES, ALIX
MCCABE,
DANIELLE
KNIGHT, NICOLA
FERRAO,
MATTHEW
EDGSON

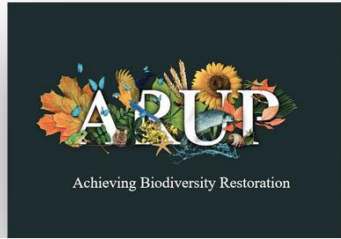
YEAR
2017-2019

Take a tour around a future London apartment radically adapted for living with the consequences of climate change. One of the inhabitants shares their personal experience of adjusting to a world transformed by food insecurity and climate extremities at home, and in their local community.

Future Scenarios & Trends



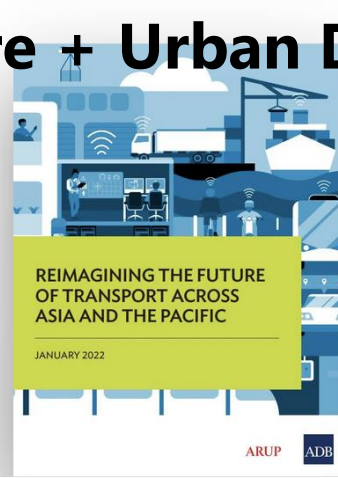
ARUP – International Architecture + Urban Design



Achieving biodiversity restoration



Future of Urban Logistics



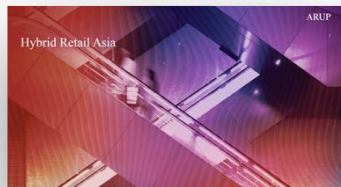
Reimagining the future of transport across Asia and the Pacific



Designing for planetary boundary cities



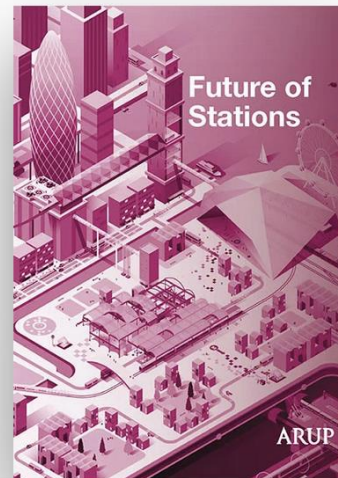
Exploring sustainable food systems



Hybrid Retail Asia



It's Alive: a vision for tall buildings in 2050



Future of Stations



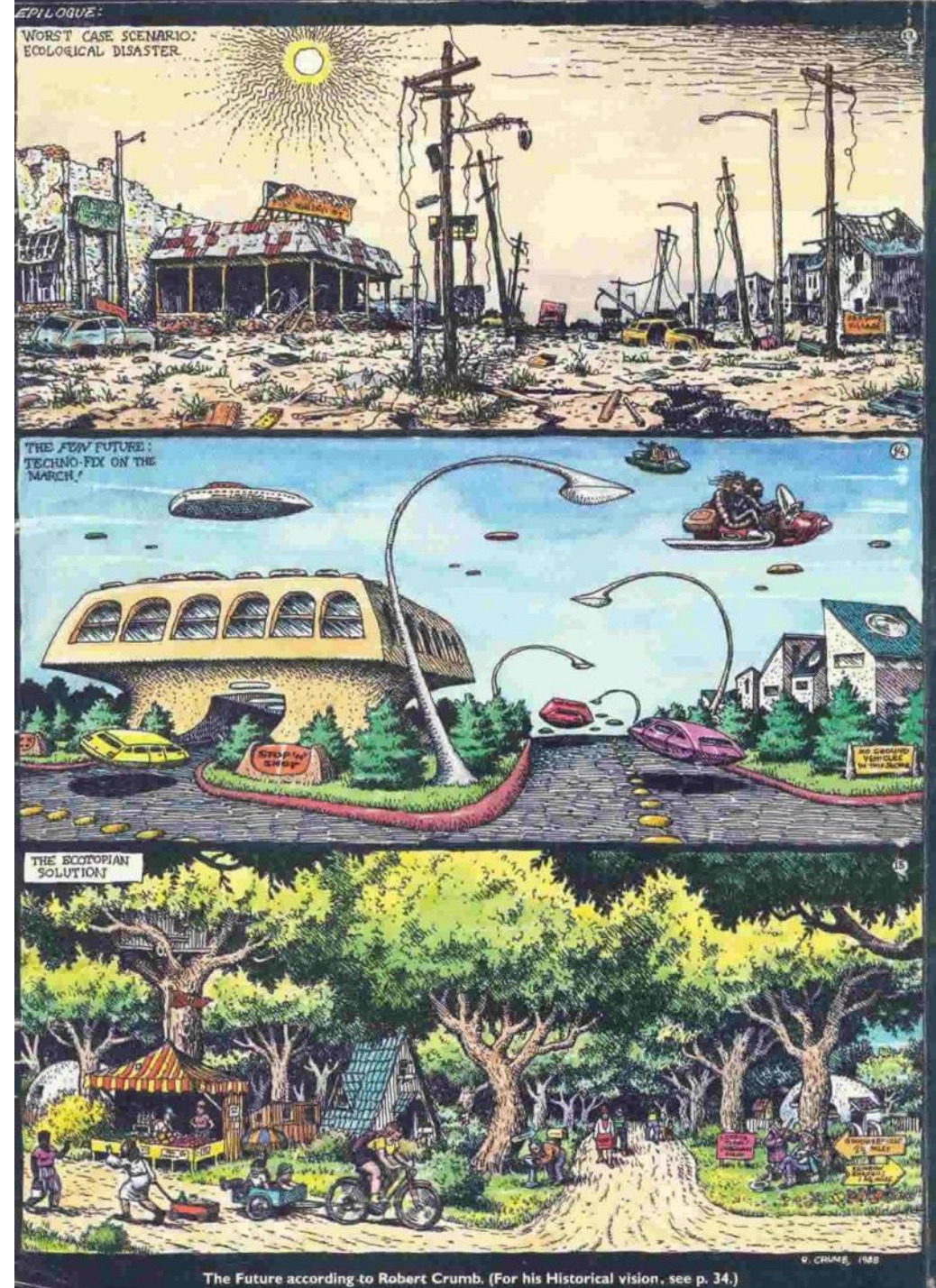
Future of Healthcare Ecosystems



Rethinking transport funding and finance

<https://www.arup.com/perspectives/publications/all/foresight>

Let's explore Futures and how this impacts our systems...





Overview

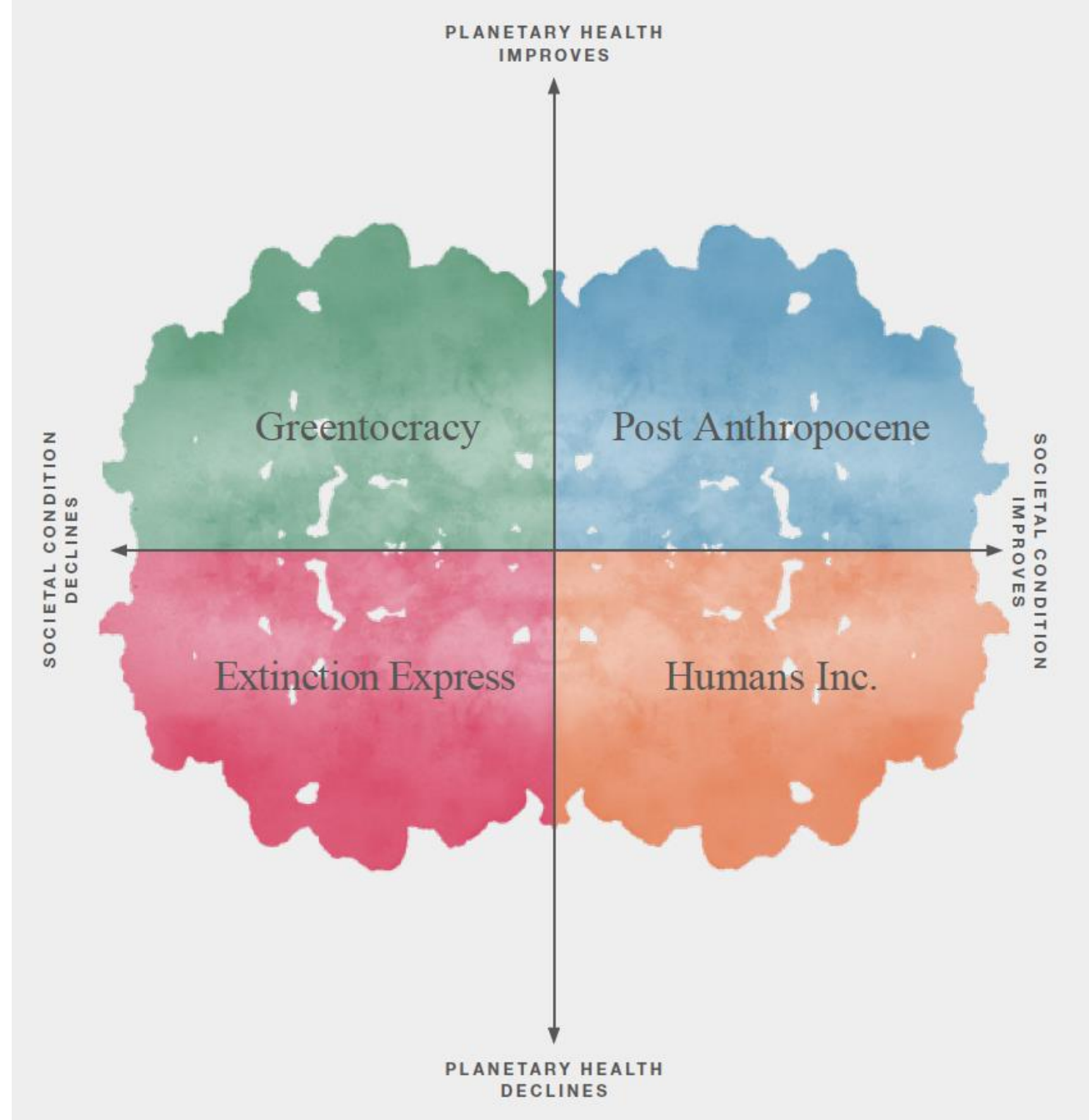
We will use 2050 future scenarios to inspire us to think about our systems and how they might change in the future...

We will take one opportunity space – and look at it through two lenses - two different future scenarios – two rounds

Share back outcomes of this exploration and possible pockets of change

2050 Scenarios: four plausible futures







<https://www.youtube.com/watch?v=waeysF6h6po>

For each scenario – we would like you to think and discuss the following

- 1. How does your system look in 2050** in ARUPs *specific* scenario?
- 2. How has your system changed over time?** What elements of your problem space are still present? How have things shifted within your system or problem? Is there still a problem in this future?
- 3. Are there new opportunities in your 2050 system for intervention?** Can you highlight any pockets of change to improve things?
- 4. Do you have any possible ideas to tackle these?**

First Scenario to consider...

Greentocracy

1 of ARUP's 2050 Scenarios, Dec 2019

9.5bn
global population



high wealth gap

1.5°C
increase



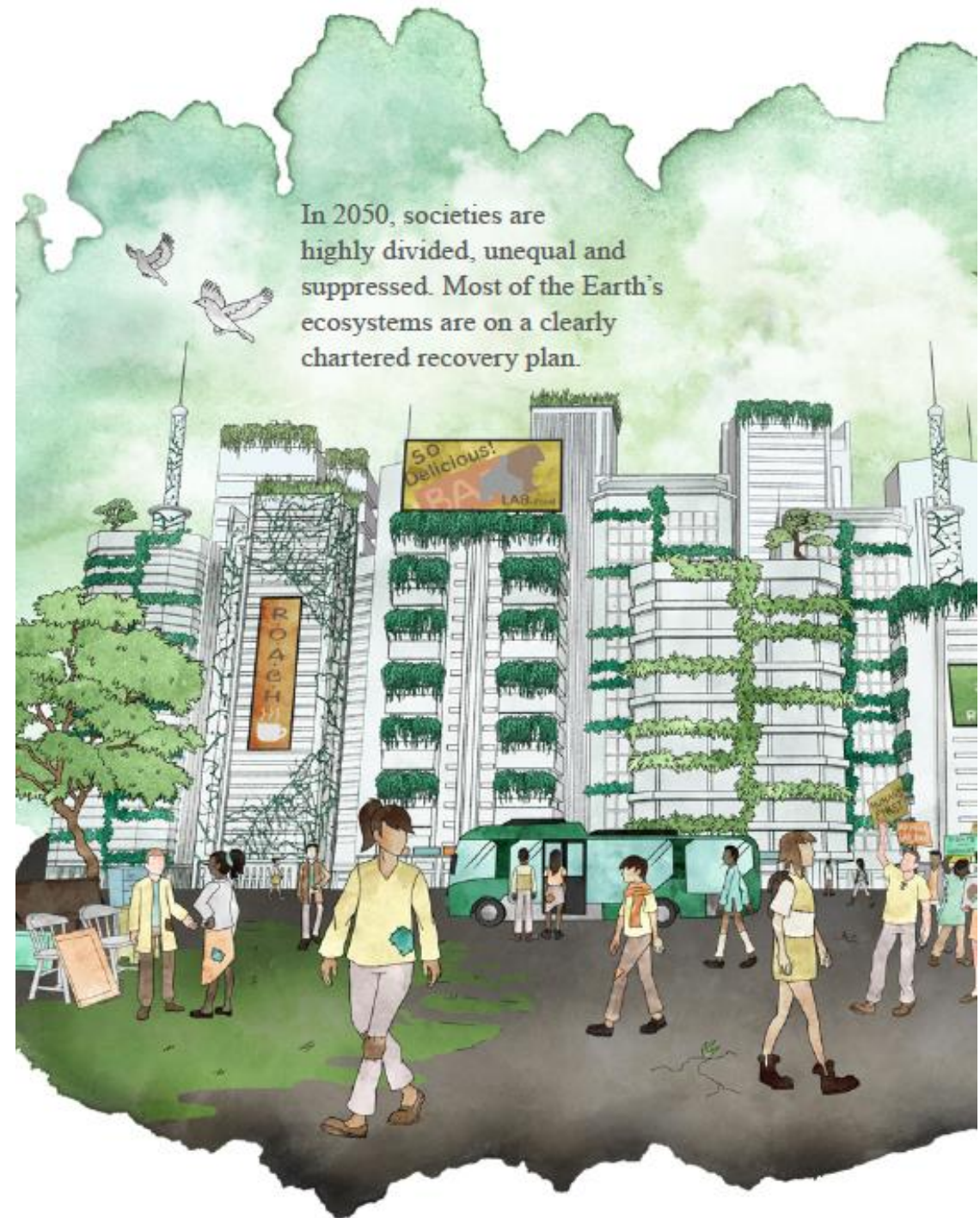
medium global
cooperation



stable weather

97%
clean energy

- land regeneration, premium on space
- restricted access to nature
- extreme urban densification, 8m² per person
- DEY - Do Everything Yourself, extreme up cycling culture
- coffee + meat with strict allowances, reliant on synthetic food sources - 3d printed proteins



For this scenario – we would like you to think and discuss the following

- 1. How does your system look in 2050** in ARUPs *Greentocracy* scenario?
- 2. How has your system changed over time?** What elements of your problem space are still present? How have things shifted within your system or problem? Is there still a problem in this future?
- 3. Are there new opportunities in your 2050 system for intervention?** Can you highlight any pockets of change to improve things?
- 4. Do you have any possible ideas to tackle these?**

Second Scenario to consider...

Humans Inc.

1 of ARUP's 2050 Scenarios, Dec 2019

9.9bn
global population



low wealth gap

2.0°C
increase



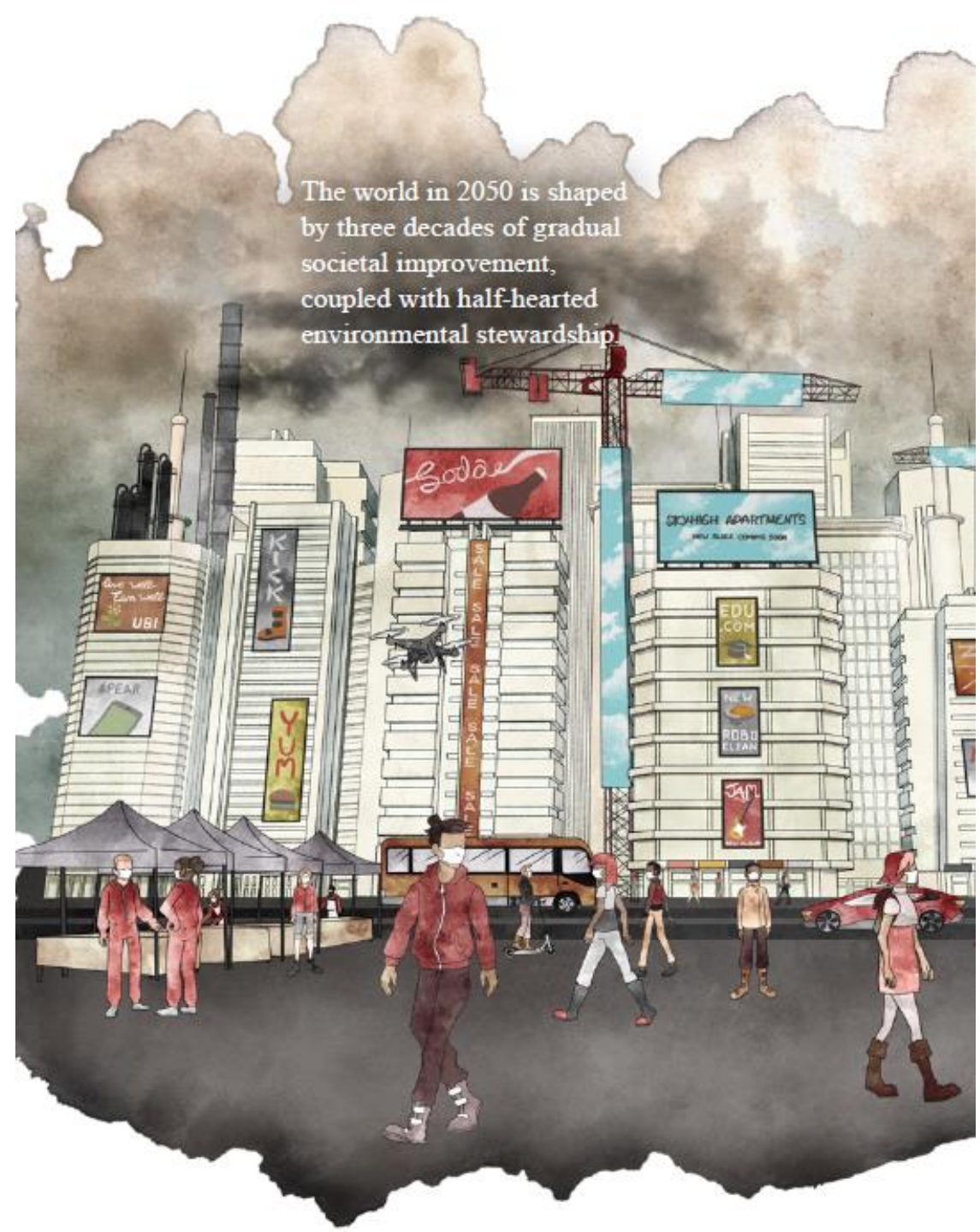
high global
cooperation



extreme weather

35%
clean energy

- business as usual 2020 lifestyle
- broad spread environmental degradation
- economic development + societal wellbeing prioritised over environment
- token effort for sustainable carbon footprints + food production
- life expectancy increased, mortality decreased
- extreme weather and climate conditions prevail



For this scenario – we would like you to think and discuss the following

- 1. How does your system look in 2050** in ARUPs *Human's Inc* scenario?
- 2. How has your system changed over time?** What elements of your problem space are still present? How have things shifted within your system or problem? Is there still a problem in this future?
- 3. Are there new opportunities in your 2050 system for intervention?** Can you highlight any pockets of change to improve things?
- 4. Do you have any possible ideas to tackle these?**

A detailed digital rendering of a futuristic city street at dusk. The scene is filled with modern architecture, including a prominent skyscraper on the left and a large, ornate building on the right. A drone flies in the sky above. The street is populated with various smart vehicles: a white car with a 'STC' projection, a green van with 'LE' branding, a blue car, and a small green cart. People are seen walking, sitting on benches, and interacting with the environment. A 'Café' sign is visible on the right. The overall atmosphere is vibrant and technologically advanced.

What did you come up with?

What did you discover?