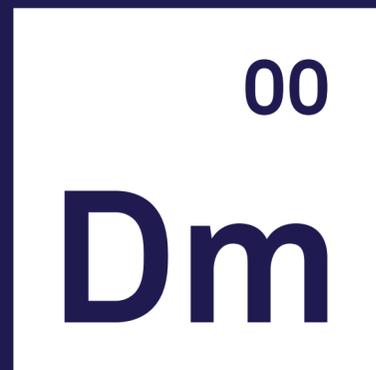


System & Change

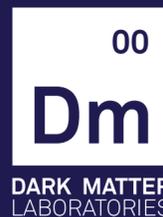
Key Learnings

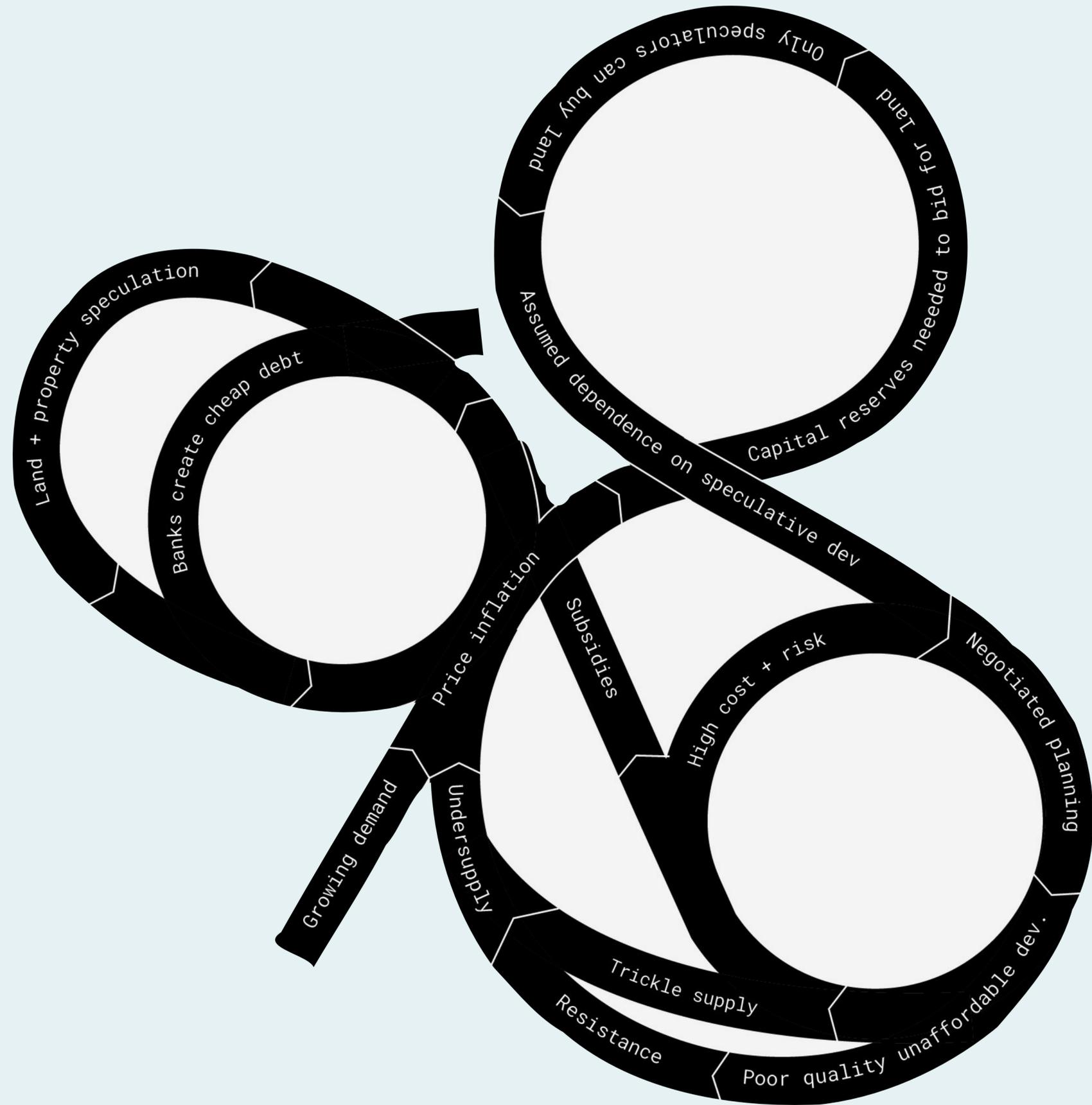


DARK MATTER
LABORATORIES

2020 : indy@darkmatterlabs.org

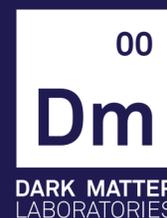
Change in a Complex world





A System is not Flat:

Cascading Risks and Systems





AN AGE OF RISKS

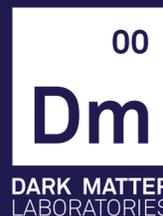


Our **inability to address the future** both in terms of **the risk the future presents to the present** and **the risk the present generates on the future**, lays us on the past of catastrophic failure as both the 2008 and Covid-19 have shown.

Our inability to think and act in the long-term is creating cascading effects and impacts on our possible futures.

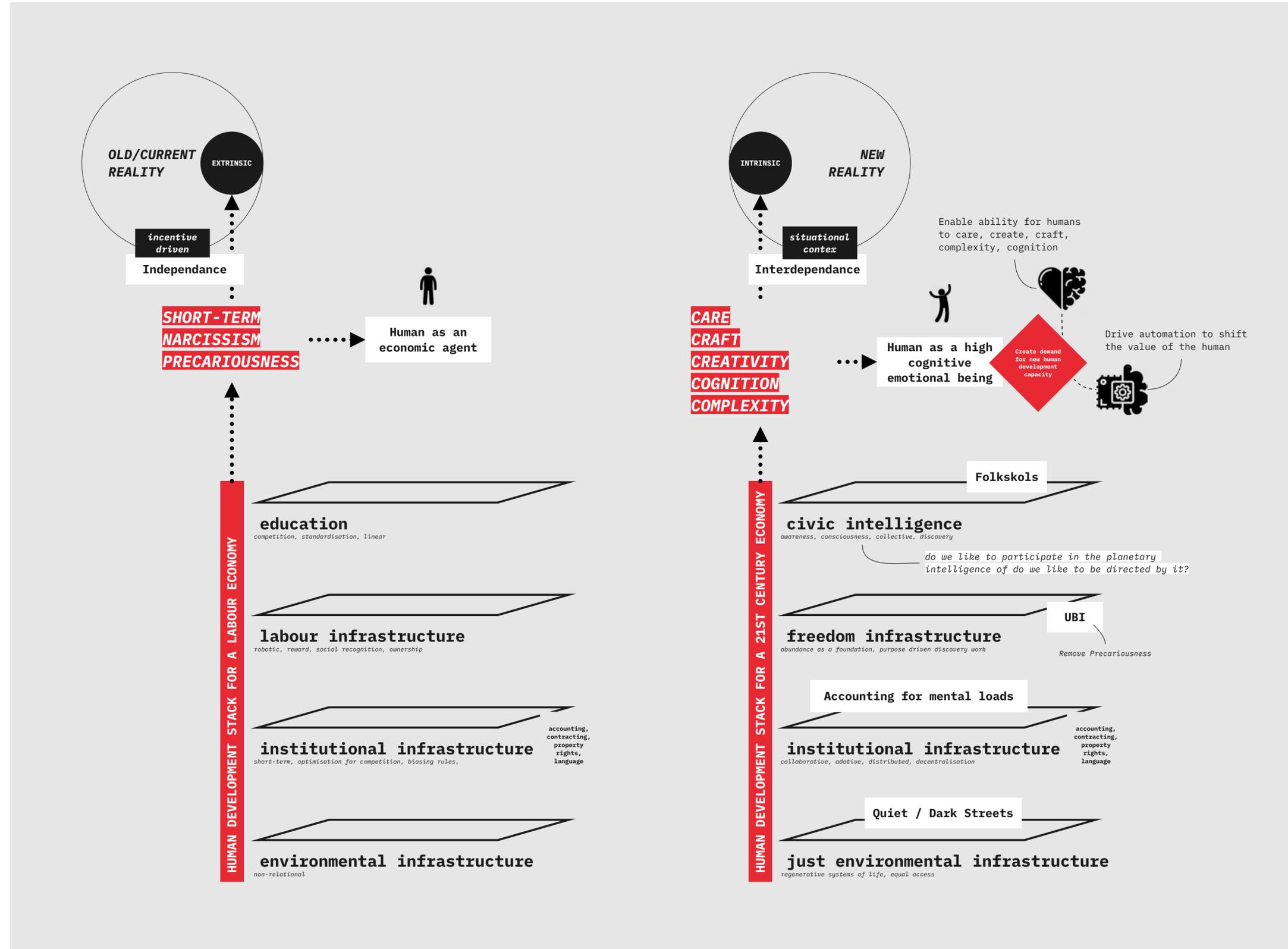
System & context:

The Overton house



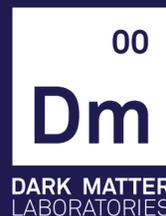
5C Economy

Transitioning towards a 21st century economy
draft 1, 20200924 Dark Matter Labs



Systems in uncertainty:

Capability Building



Scaffolding
the emergency
transition

Managing
cascading risks

Building
capacity for
anti-fragility

HORIZON 01

Responding to known crises

HORIZON 02

Preparing for crises that are knowable

HORIZON 03

Statecraft for an Age of Unknowable Risk

*Foundational
capacity*

*Future civic risks
sense-making*

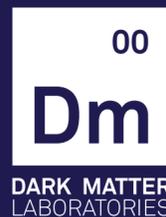
*Constructing social
legitimacy*

*Devolution or
response and
solutioning*

*Reinventing public
investment*

System Failure:

Deep Code Errors



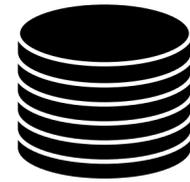
Deep code errors

What is the root problem?



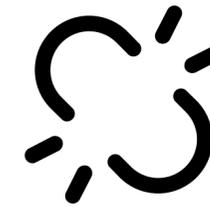
Silos in decision making and action

Lack of capacity to collaborate and innovate



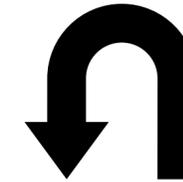
Instrumentalism

Using simple solutions to respond to complex problems for efficiency



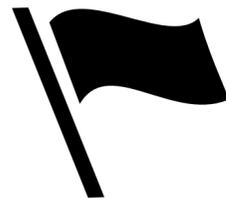
Lack of accountability mechanisms

Shared responsibility



Incentive failure

Strong incentives to drive change



Lack of adequate representation

Diversity and inclusion in decision-making/policy-making



Short term optimisation & zero-sum game

Competition based



Inability to account for the whole system and complexity

Multiple levels of disconnection & capitalism

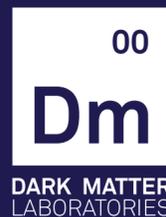


Lack of shared language

Tools to build common understanding

System Financing:

Perpetual Bonds & Smart Covenants.





Healthcare cost as a result of poor quality housing (UK) since this exhibition opened:

£ 13,556,747



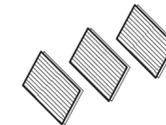
13,555
houses



1,555
hospitals

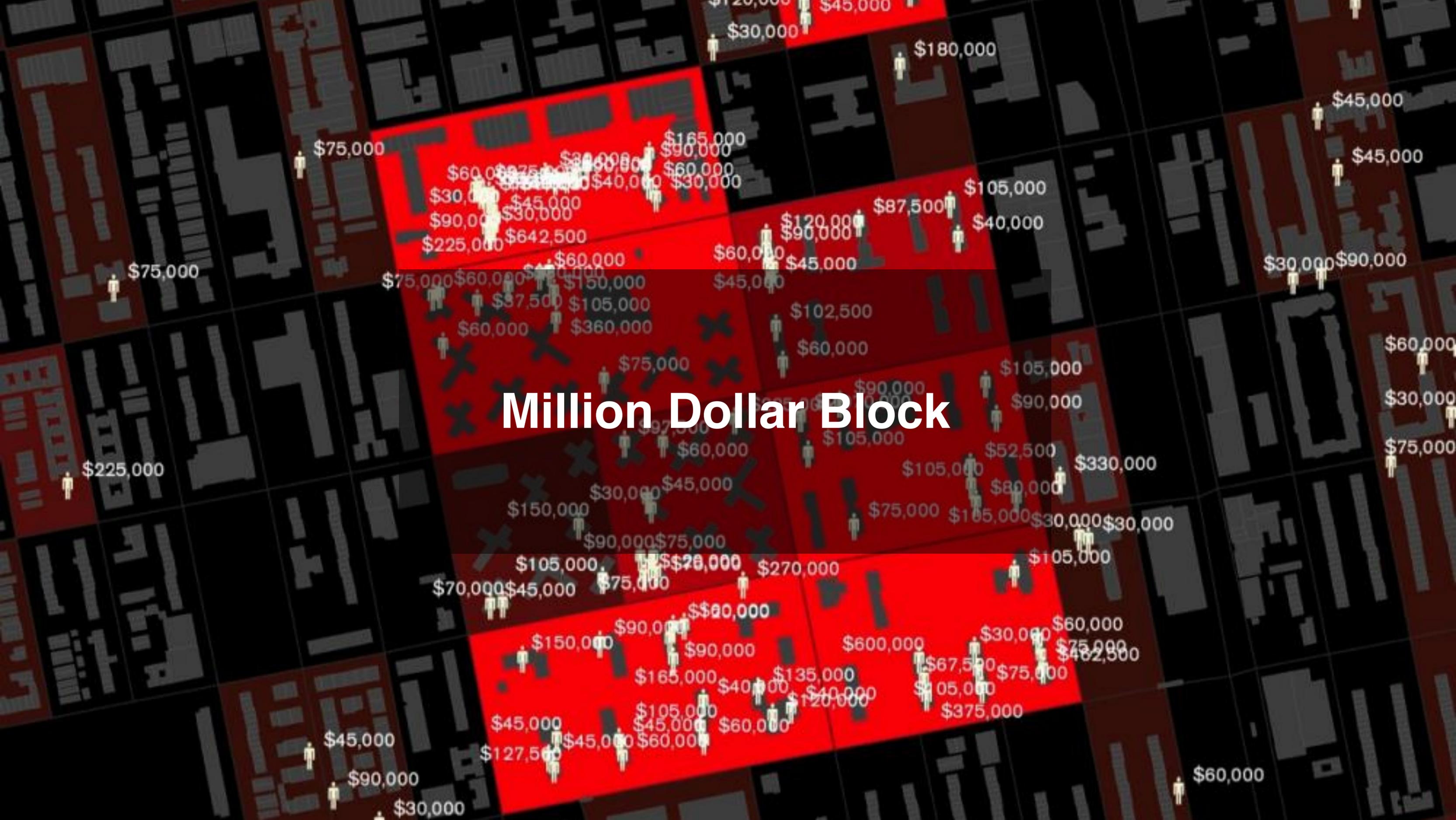


10,035
insulated
homes

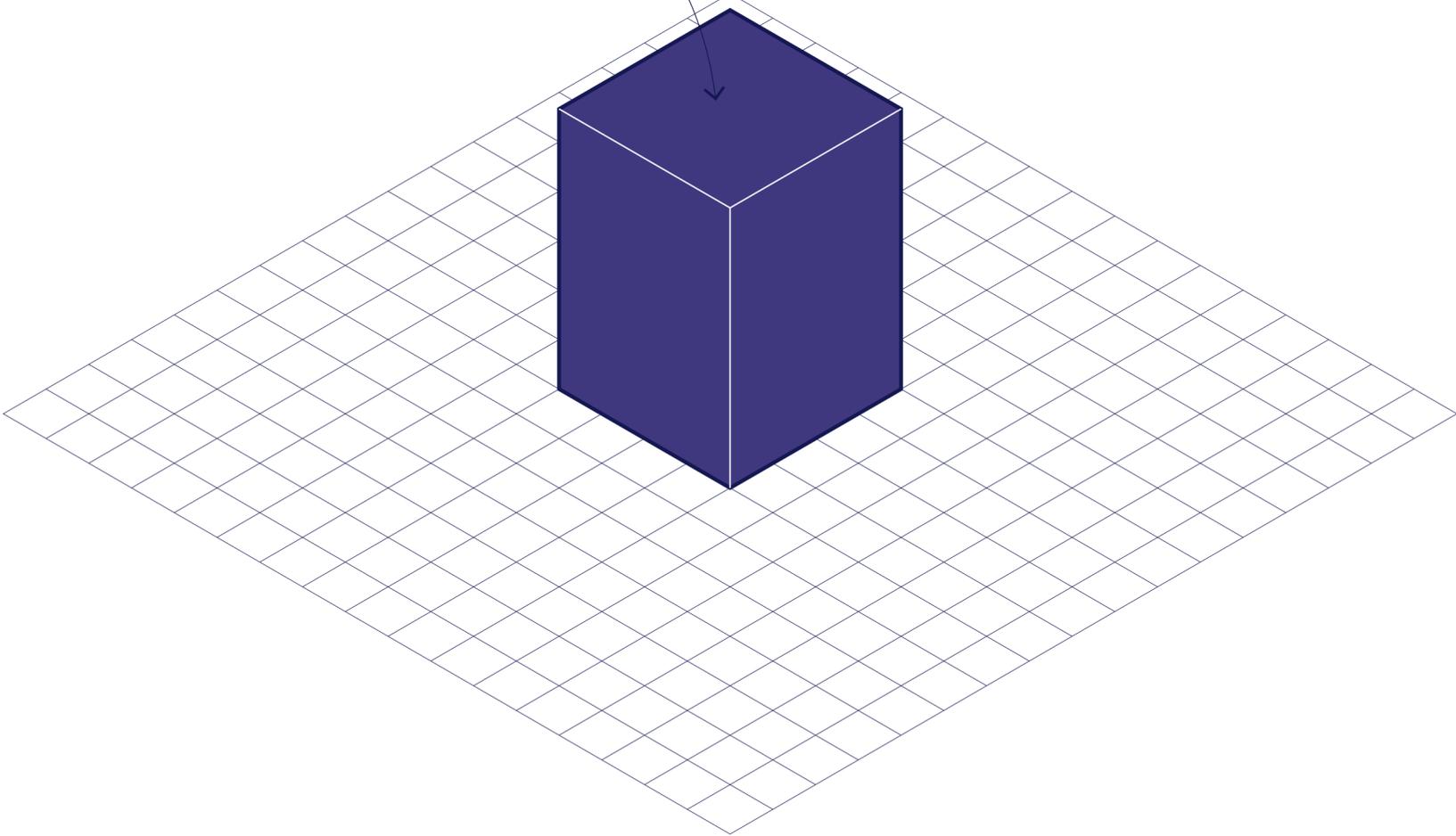


10,398,499
solar
panels

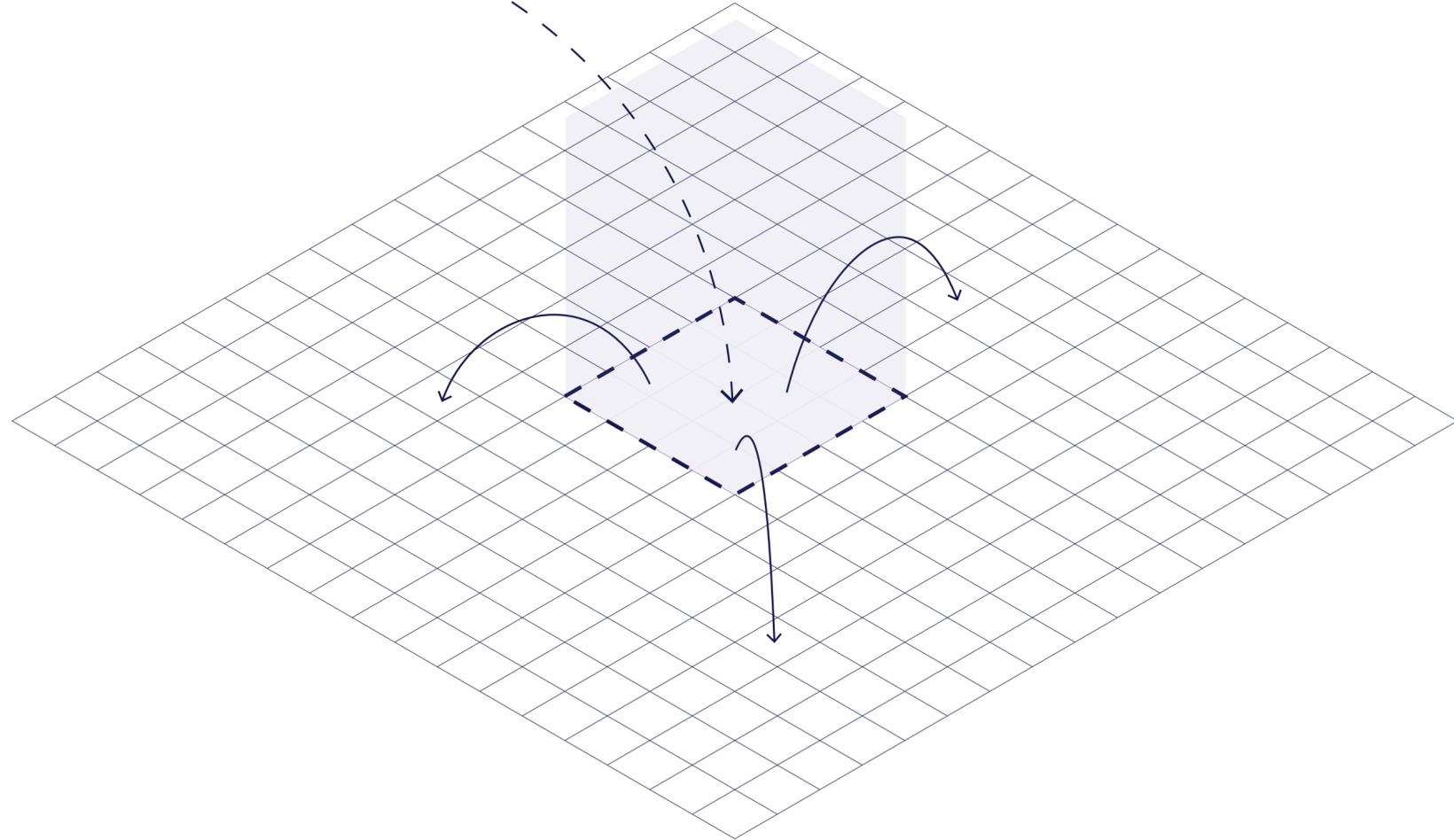
Million Dollar Block

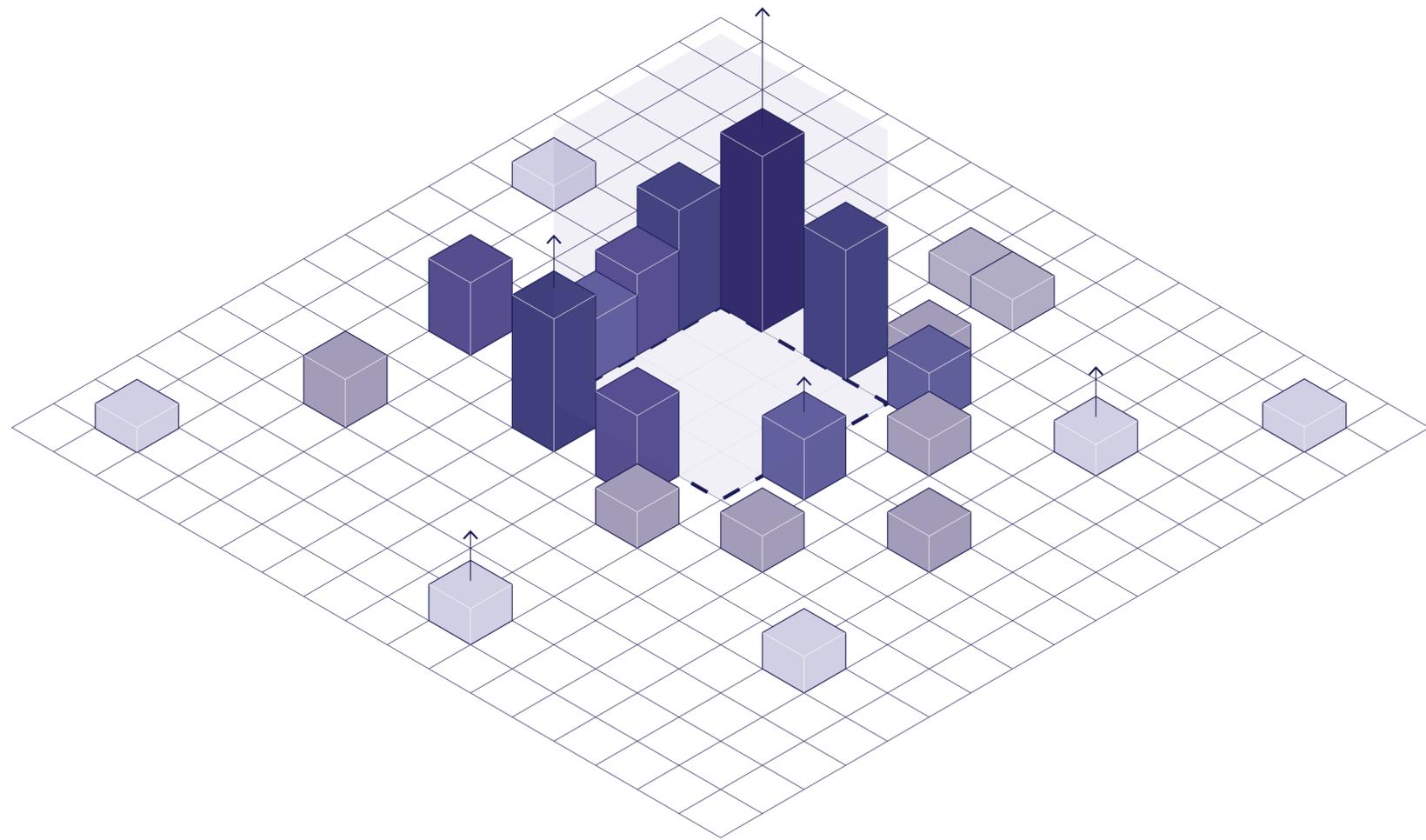


*Social
investment*

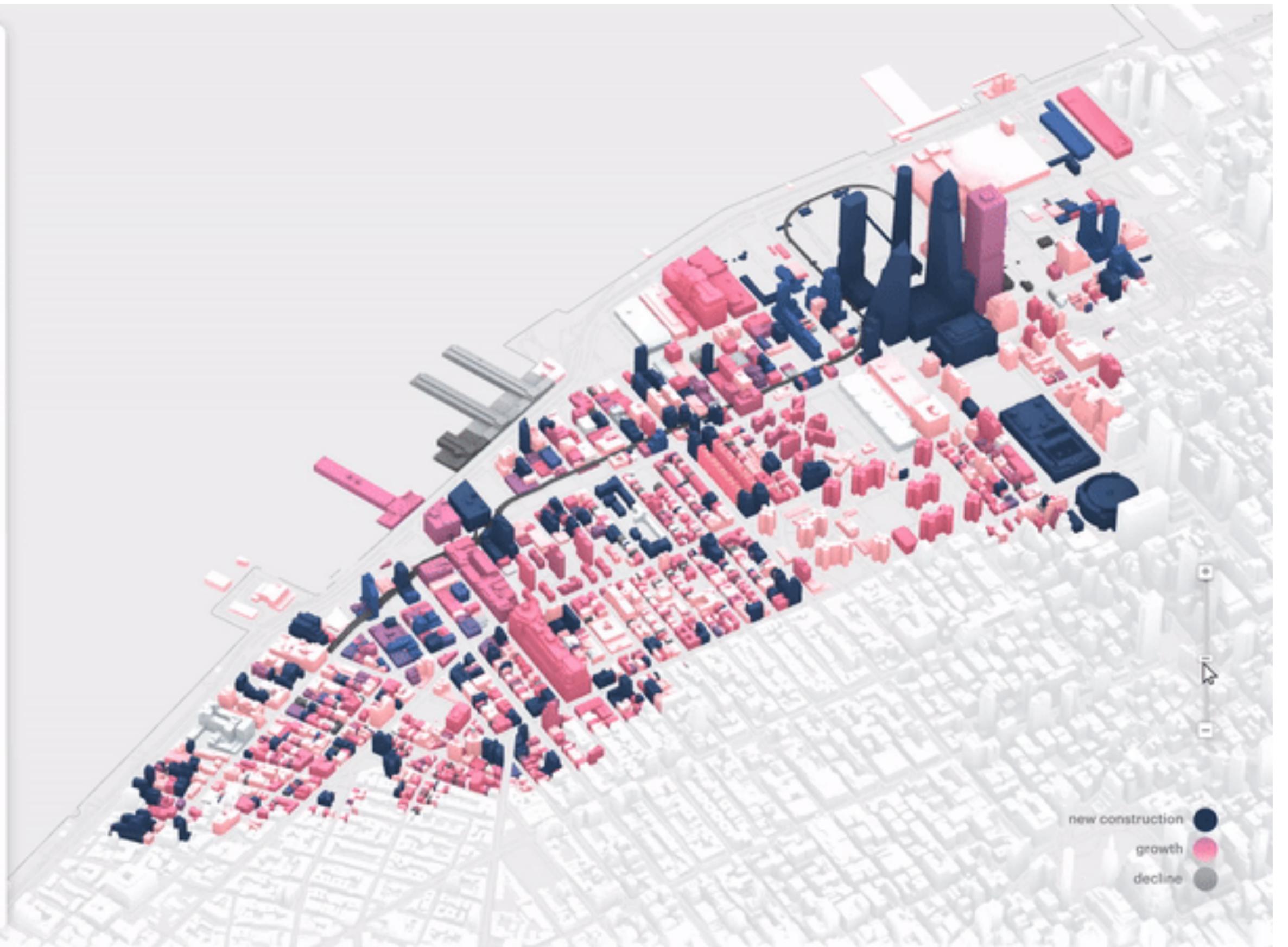
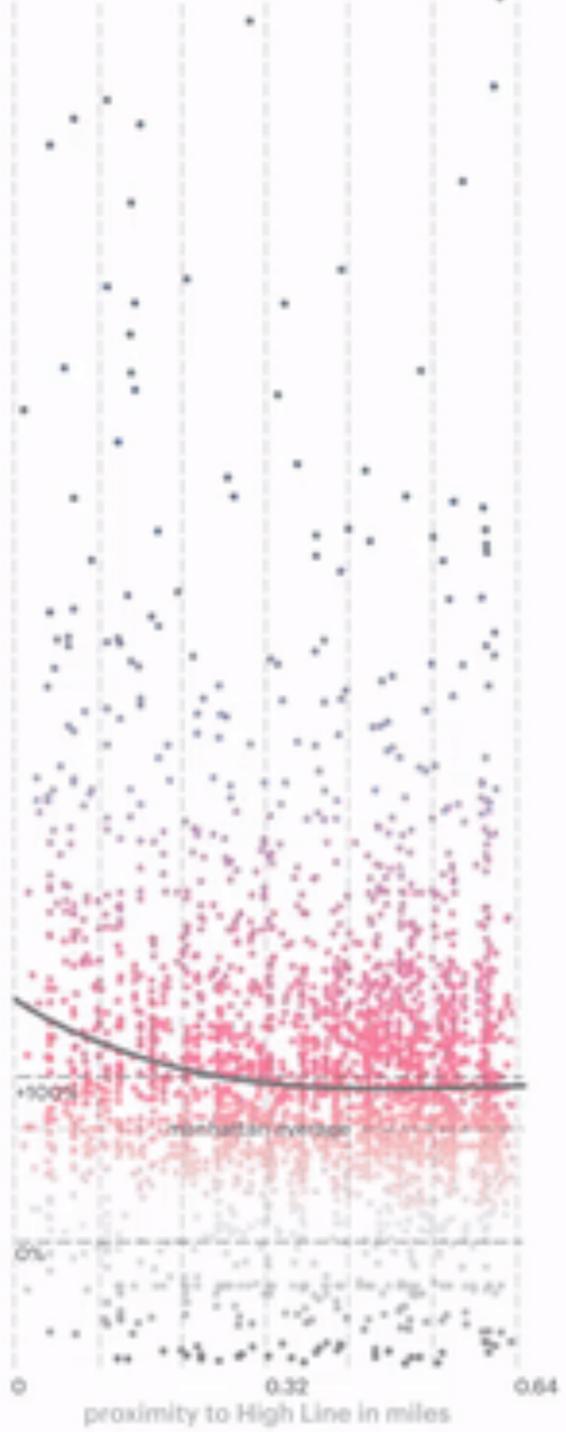


*Social
investment*





% of growth
for the period
from 2007 to 2018





- 1. Digital Tax Map - NYC Department of Finance
- 2. Annualized Rolling Sales Update - NYC Department of Finance

Smart Covenant

Findings

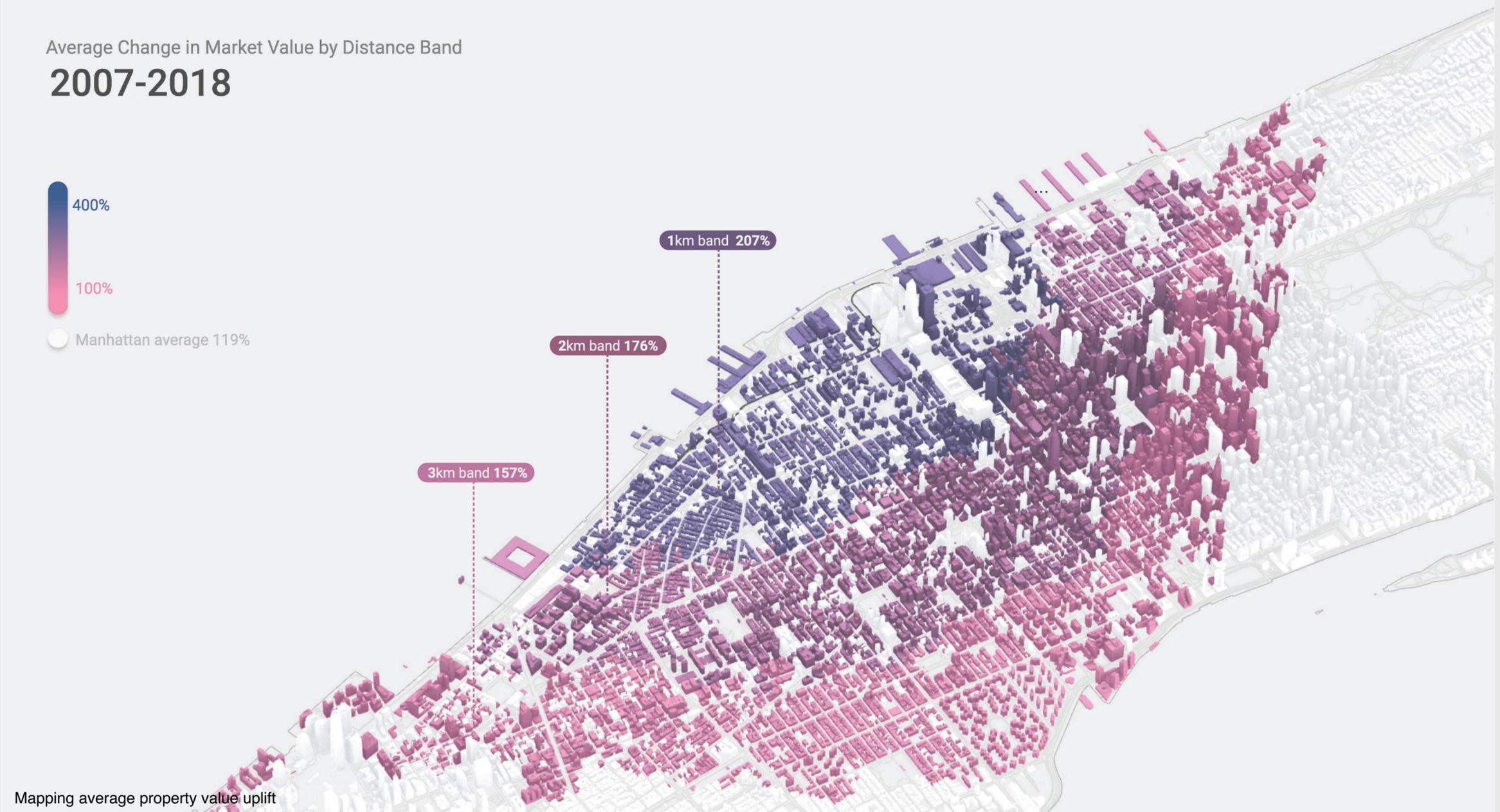
To understand the High Line's effect on surrounding property prices, we analysed publicly available valuation data from NYC's Department of Finance.

When we grouped properties in bands roughly one kilometre wide from the High Line, we could see that between 2007 (when construction started) and 2018, properties closer to the High Line experienced a greater value increase on average than those further away. The mean property value uplift for houses within 1km of the High Line was 92% more than the Manhattan mean. Or put another way — if you owned an apartment in that 1km, you earned on average about \$67,000 a year from the uplift alone.

The justification for public spending on the High Line is that the extra value it creates will be captured eventually by taxes. In New York, the main way of doing this is through property taxes. Yet in the case of the High Line, property taxes only captured a tiny amount of the value that the project directly contributed to.

If we solely look within 500m of the park their combined market value has gone up by \$9.1bn between 2007–2018, yet if they'd gone up by the Manhattan mean, they would have only hit around \$5.7bn. That means for properties within 500m of the High Line, it has contributed to \$3.4bn of additional value, whilst property tax revenue has only gone up by \$103m. That's a big gap. \$3.1bn to be exact. All of which is generated by public investment and that's escaped public capture.

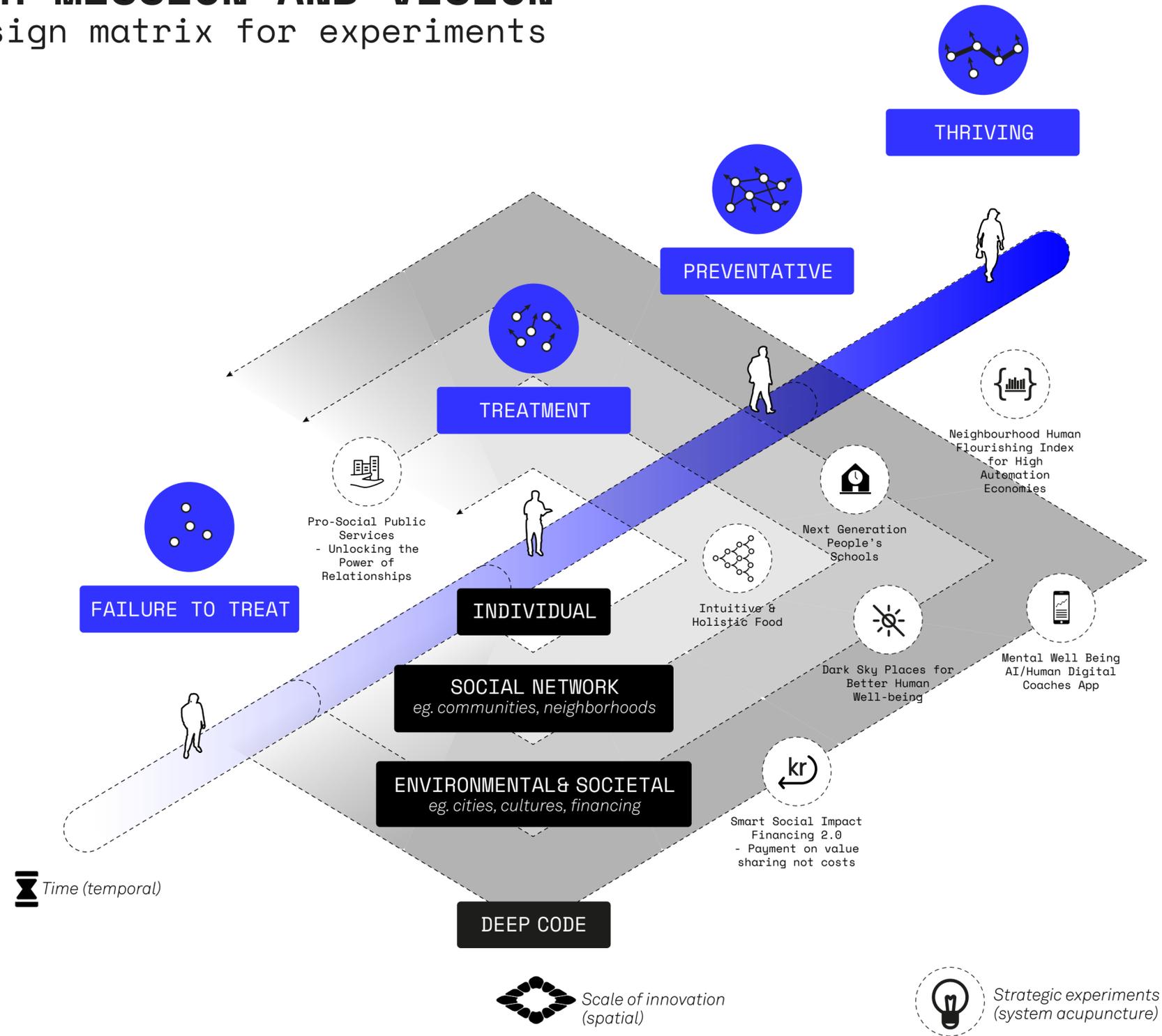
Average Change in Market Value by Distance Band
2007-2018



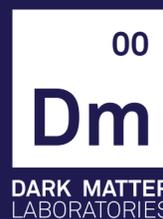
Mapping average property value uplift

OUR MISSION AND VISION

design matrix for experiments



A. Deeper Change



05

...& Beyond

Reintroducing the Grand Challenges

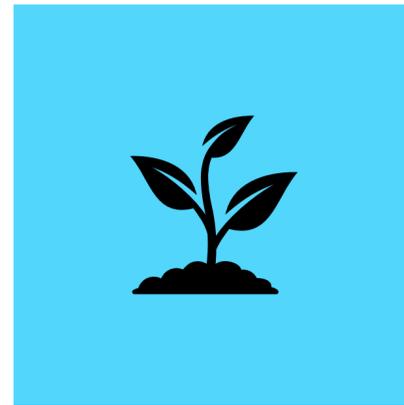
But, the scale and scope of challenges our civilisation faces cannot be *limited to an incremental evolutionary risk management alone* – **focused passively on conserving, sustaining, mitigating liabilities and/or addressing market failure fixes.**



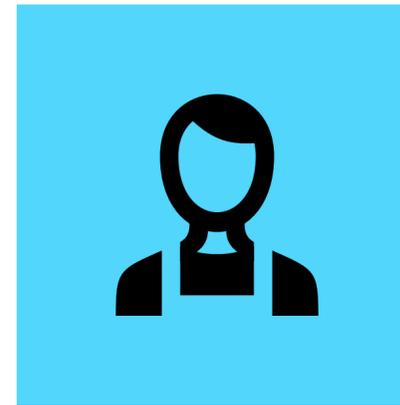
FOUR CRITICAL MISSIONS FOR THE FUTURE



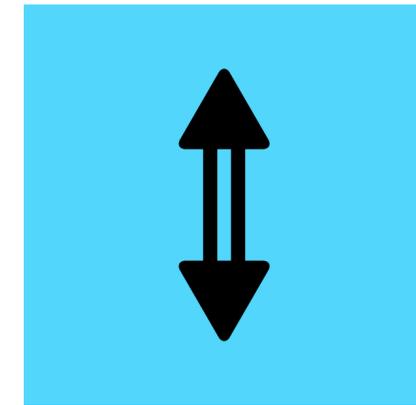
Societies built for
Human
Development &
discovery in an
age of automation



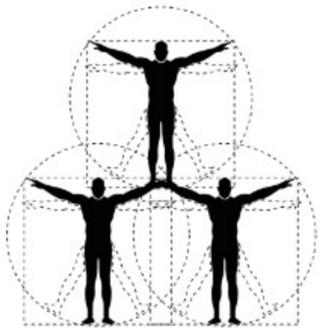
Societies built
with nature in an
age of new
cohabitation



Societies
embracing
stewardship and
citizenship

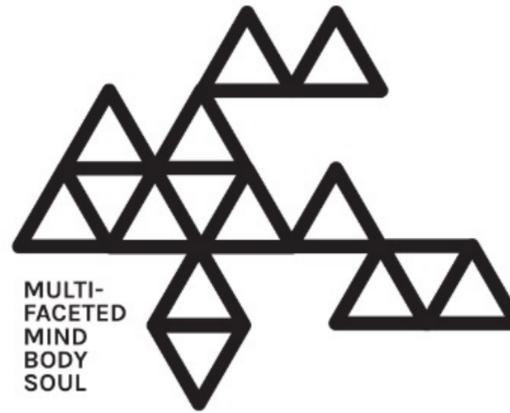


Societies
organised for
Long Termism



RELATIONAL WELLBEING

Interdependent, social, subconscious and embodied wellbeing as product of multiple influences



MULTI-FACETED
MIND
BODY
SOUL



SOCIAL BRAIN

Modern science tells us that human minds do not work in splendid isolation not is their functioning wholly controlled by our will. We are complex social and biological organisms, driven by collective norms and biases, an innate desire to belong and collaborate, and 'mirror neurons' that feel the pain and stress of other beings. Even tendencies towards loneliness and suicide are now understood to be contagious.



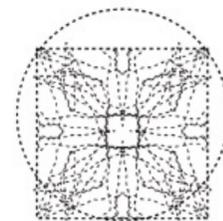
BODY OF MULTITUDES

Not everything that makes us who we are is actually human DNA. According to Ed Young's "I contain multitudes", our bodies are home to millions of bacteria and other microbes. The microbes are part of our immune systems and protect us from disease. Influencing how we feel, behave and develop, this prompts us to look at ourselves as the interconnected, interdependent organisms that we are.



CONTEXTUAL SELVES

Recent developments in epigenetics show that the food you eat, the air you breathe, the water you drink, the thoughts you think, the feelings you feel, the exercise you do, and the lifestyle you lead all powerfully influence your genetic expression and development - interconnecting you with your forebears and offspring's lives.



RELATIONAL SPIRIT

We live in an age where, far from the death of religion, we are seeing a continuing desire for spirituality expressing itself in different ways. Frequently this can give rise to identity clashes, but, as the RSA publication "Spiritualise" puts it, building on our desires for belonging, transcendence and beyondness, could we move beyond focussing on 'our place in the world' (our identity) to share a new understanding of our 'ground' (being human)?

Relational products & services:

Across the world we are seeing a generation of new ventures emerge and grow which derive their appeal and success from being essentially social products that bring people together as open communities rather than atomise them as individual consumers.



Relational social policy / Learning Dream

Relational health / Park Run & Good Gym

Relational therapy / Festival culture

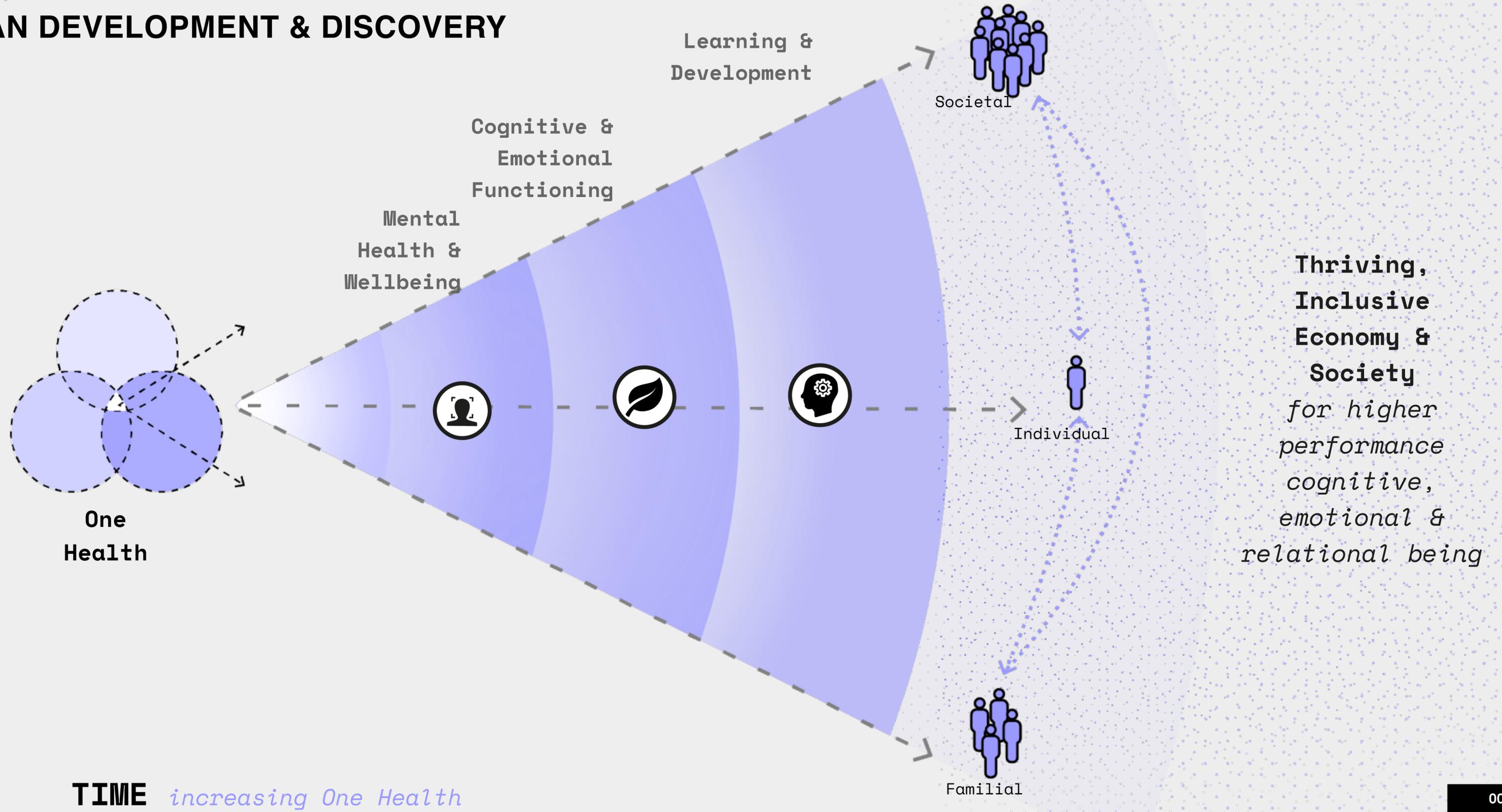
Relational consumer / Wikihouse

Relational social media / Occupy Sandy
(collective relief operation)

Relational environmentalism / Renewables cooperatives



HUMAN DEVELOPMENT & DISCOVERY





LONG TERM SOCIETIES

M



Futures in Long-termism

A collection of writings focusing on the transformation of mindsets and the establishment of mechanisms to enable shifting towards long-term thinking and to enable and facilitate sustainable behaviours and investments in sustainability.



Futures in Long-termism

To address the multiple crises we face today, we need to extend our temporal frame of reference and develop strategic and critical...

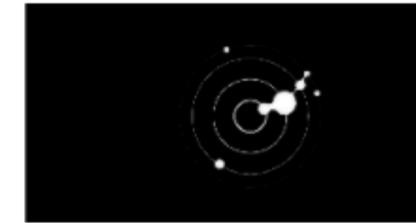
Dark Matter
Feb 21 · 4 min read



Persistent Selves

Persistent Selves attempts to investigate why we are unable to perceive the continuity of our actions well after our death and...

Dark Matter
Feb 21 · 7 min read



Persistent Things

We have failed to notice and take advantage of the fact that Things are Persistent; and can be designed to persevere through time.

Dark Matter
Feb 21 · 6 min read



Abstracted to Entangled Organisation

The concept of Meshed Organisations searches for an evolution of the corporate form that is enmeshed in localities promoting long-term...

Dark Matter
Feb 21 · 7 min read ★

Latest



Long Welfare

Long welfare investigates the connections between the construction of social securities and citizens' mental health.

Dark Matter
Feb 21 · 7 min read



Long Financing in a volatile world

Long Financing in a volatile world explores forms of investment that do not colonize the future.

Dark Matter
Feb 21 · 7 min read



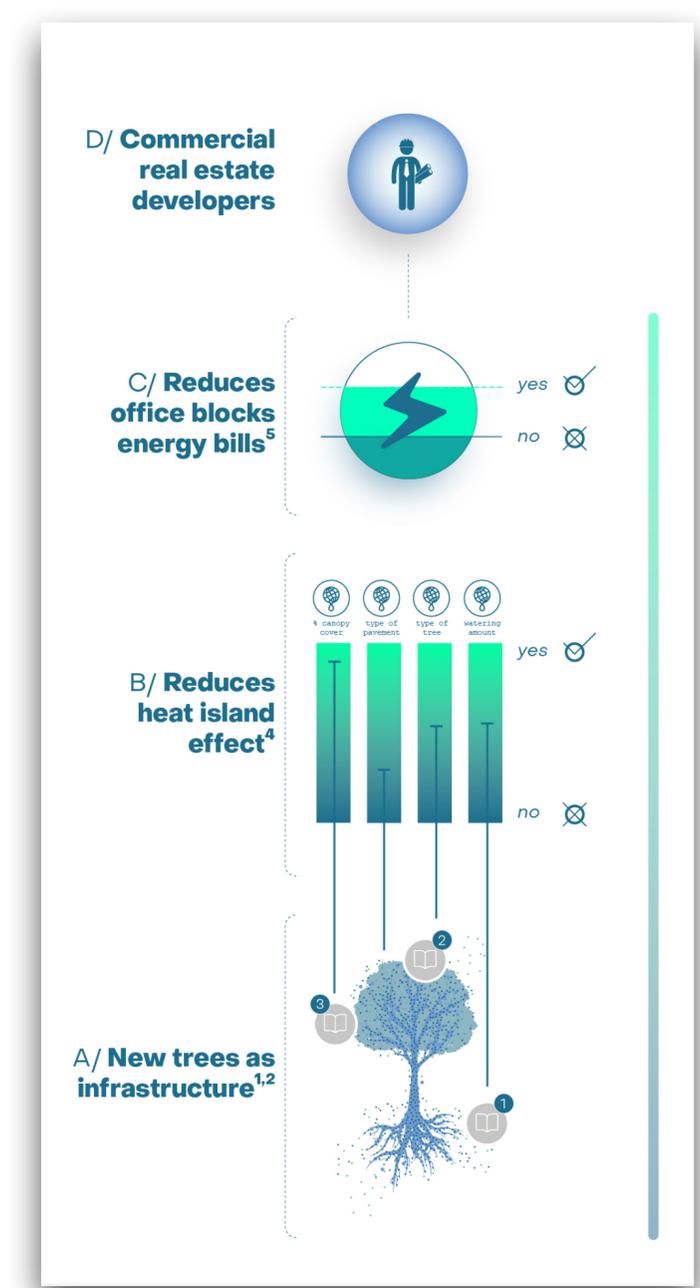
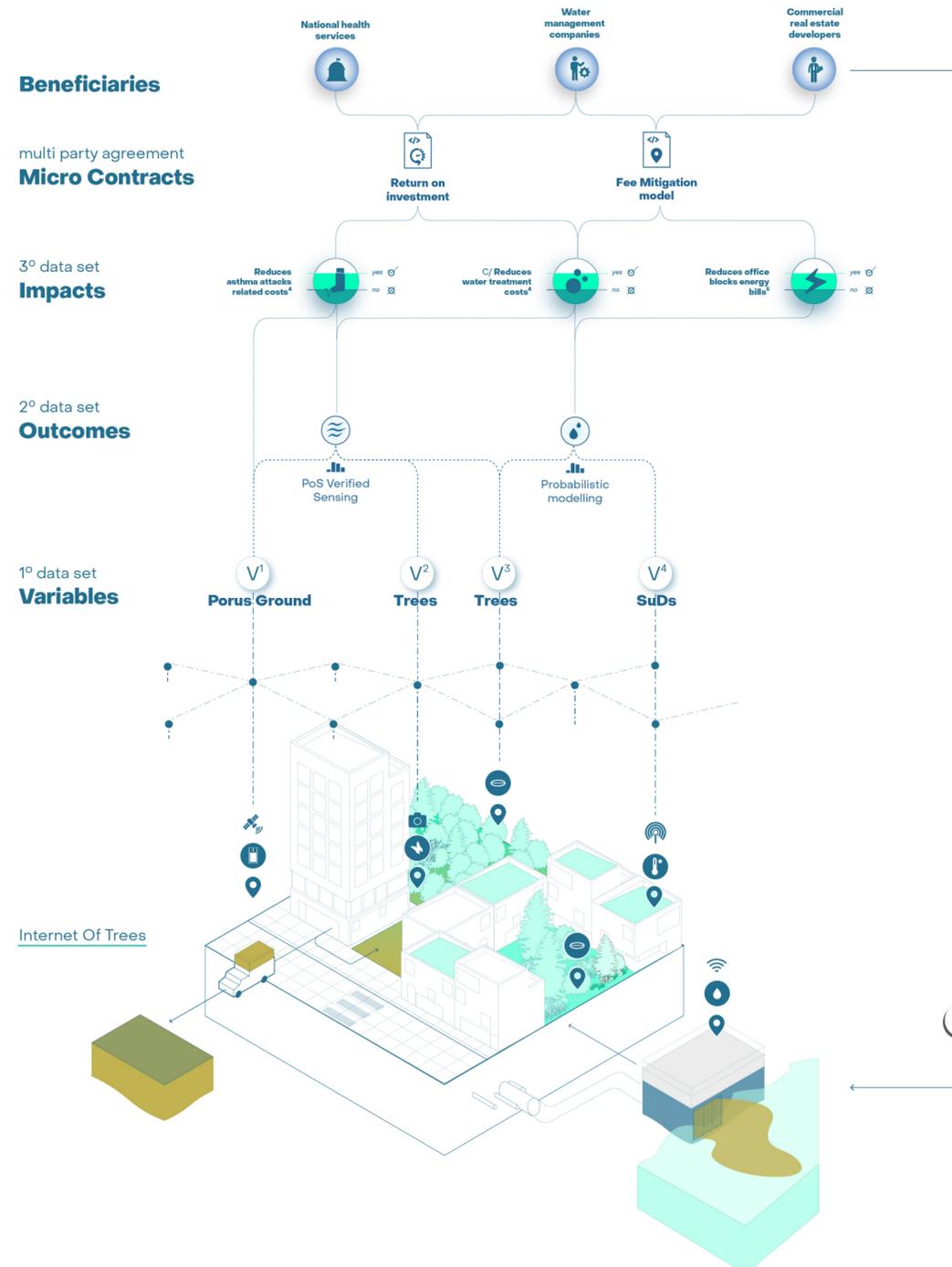
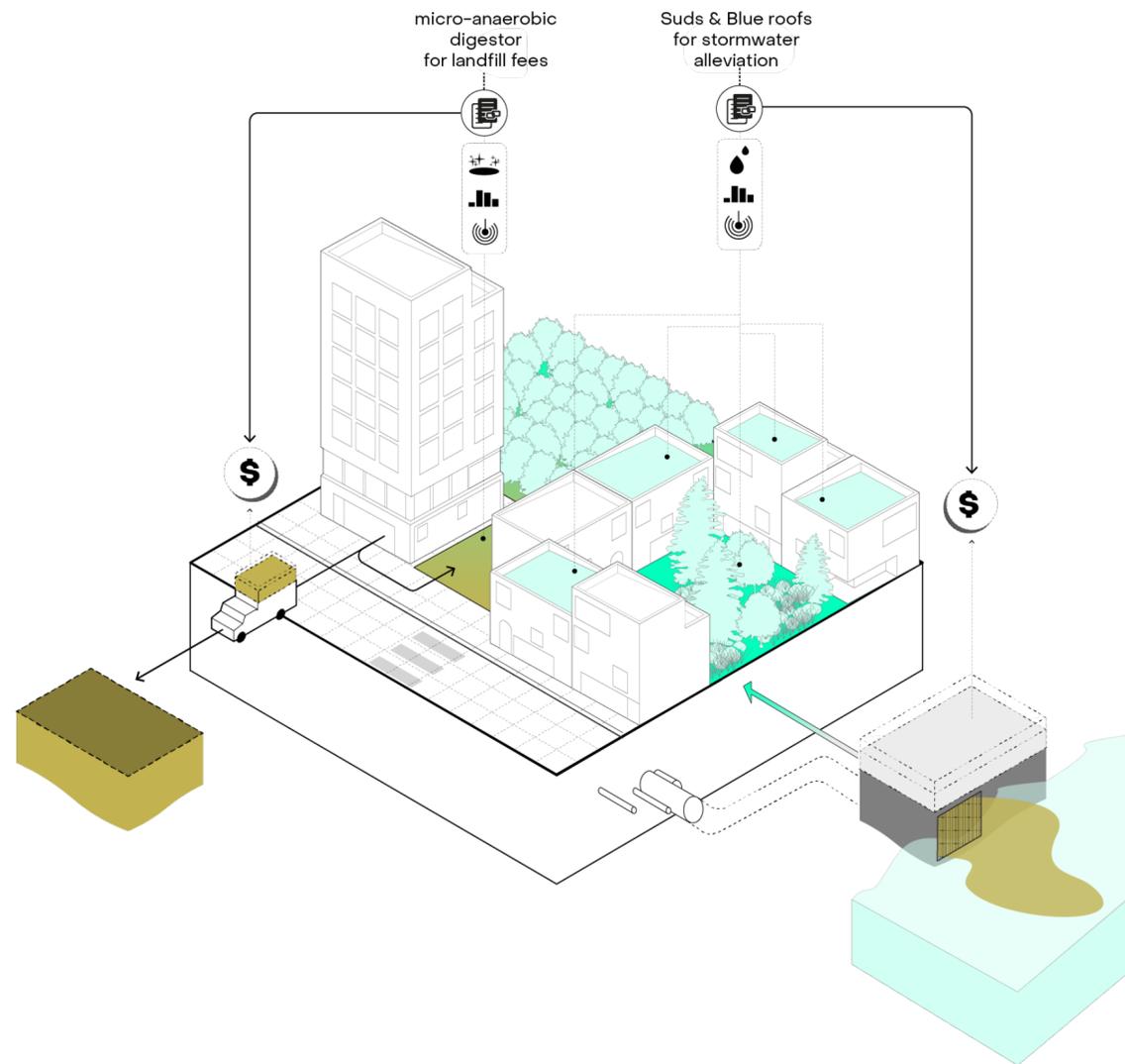
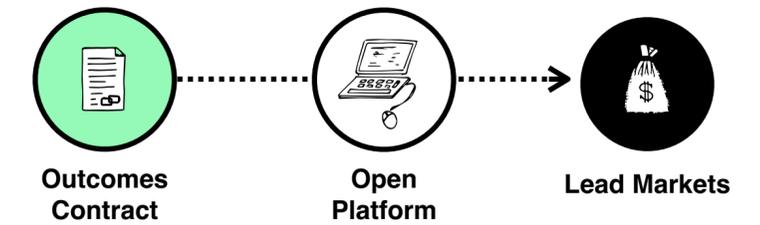
Long Democracies

Long Democracies could examine new deliberative mechanisms in relation to their contexts to support governance that engages in long-term...

Dark Matter
Feb 21 · 9 min read



NATURAL ASSETS ECONOMY



Flow chart of an example green infrastructure project, showing a possible ecosystem and social benefit analysis for multiple beneficiaries

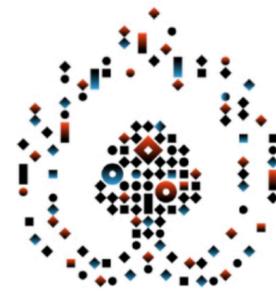


SOCIETIES EMBRACING STEWARDSHIP



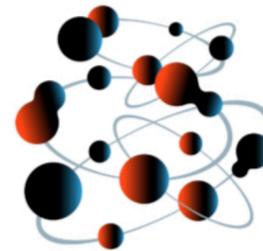
Property as a practice of making kin

This could imply opening up property rights to the rights of nature and other species, not as a limitation, but as a core principle of the relationship to land embedded in property.



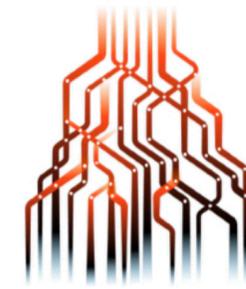
Property as a verb

Implying an Indigenous legal tradition of considering contracts as the beginning, rather than the end of the relationship (see Haudenosaunee protocols around Dish With One Spoon treaties, for example). Property thus becomes an asset in constant communion, (ceremonially) reaffirmed through time.



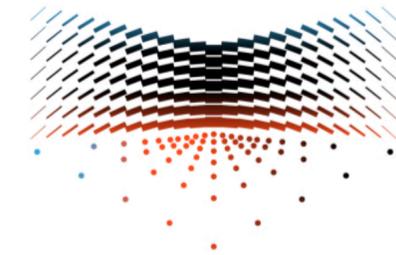
Property as a practice of care

In the Innu language, the closest word to “property” would be kanauentamun, which means stewardship of something. Innu people would refer to themselves as “gardeners” or “curators” of nature, territorial exploitation being a collective endeavour. This highlights the responsibilities associated with “owning” land, rather than the rights.



7 generations of property

What does it mean to include past and future generations in the way we relate to the land. How do we account for the history of a property (Heritage laws) and care for its future?



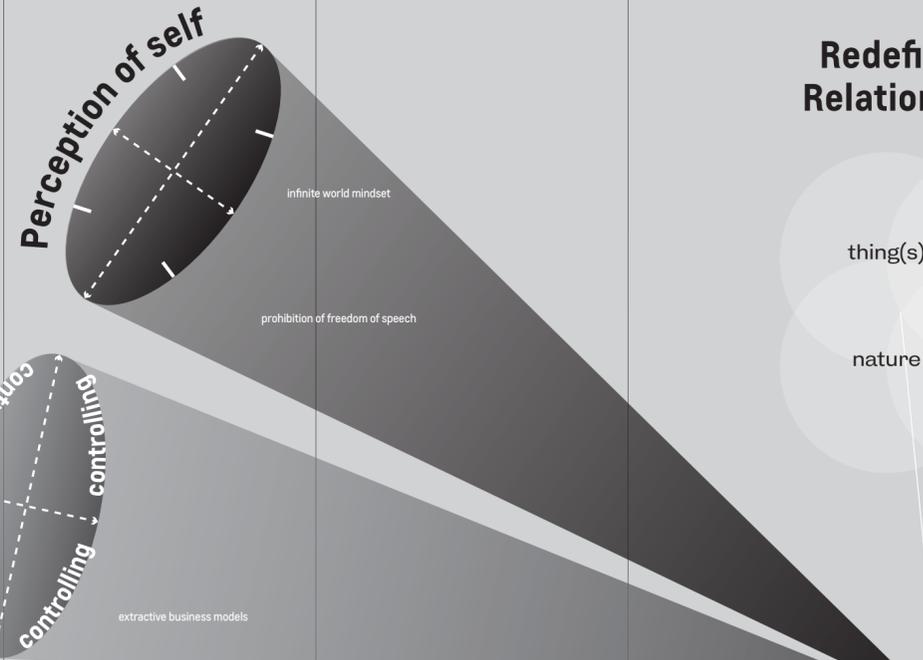
Property as a common

How can we combine individual and collective ownership in new ways?

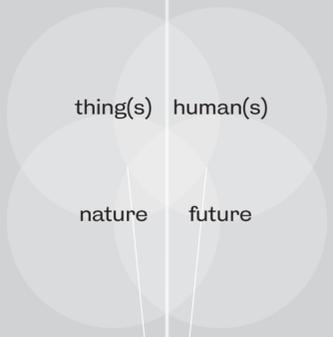
A Theory of Change - Outline

Governing in an Age of Long Emergencies

19.06.20 v2 | created by Dark Matter Labs



Redefining our Relationships to:



TRENDS
 climate breakdown
 equality/in-equality
 aging populations
 automation
 connected technologies

DRIVERS
 independence culture norm
 deforestation
 capital concentration
 etc.

DRIVERS
 open source
 number of healthy days lived
 circular economies
 etc.

HORIZONS

3

2

1

0

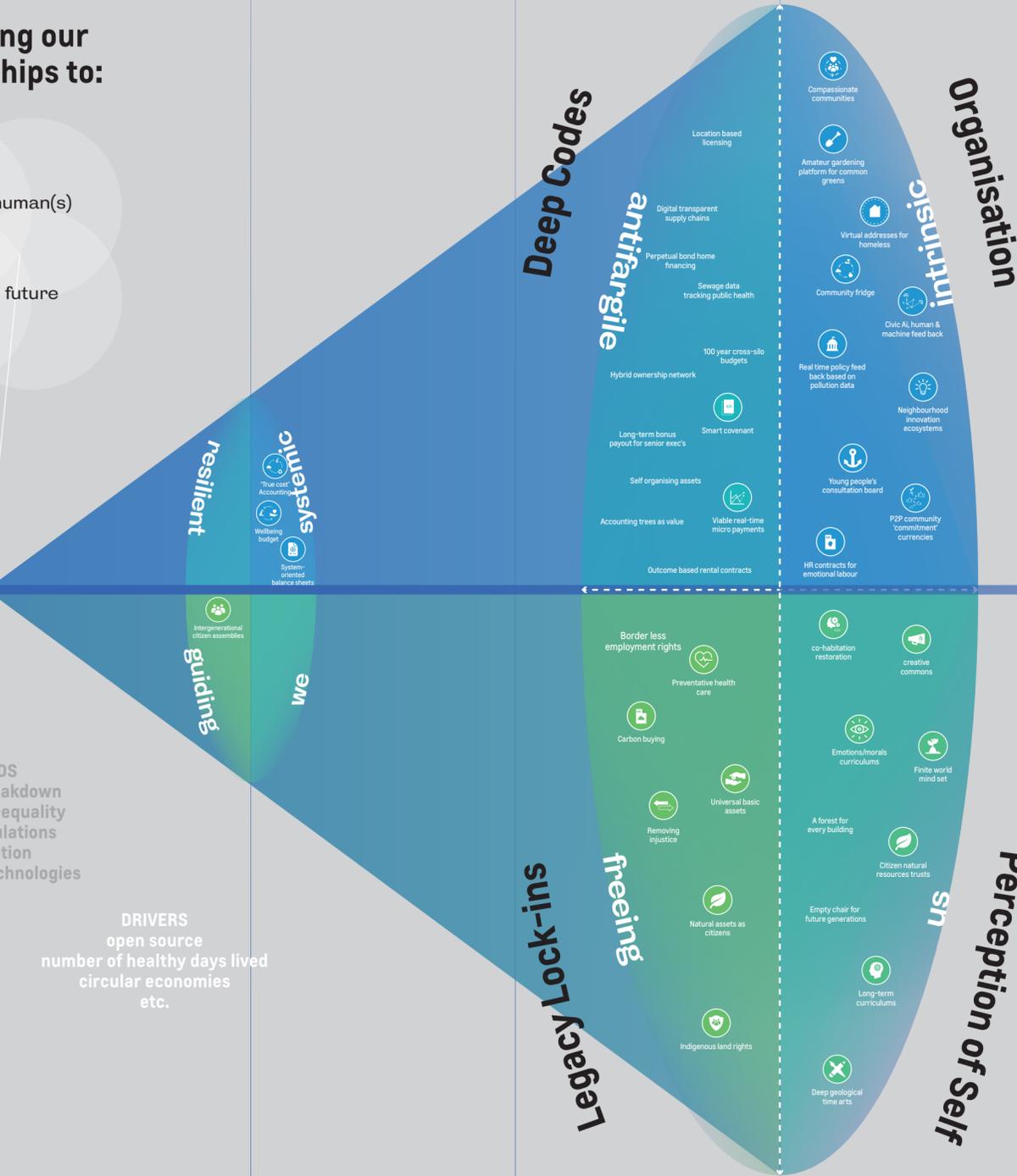
1

2

3

Independent
 redefining our relationships

Interdependant
 redefining our relationships



Deep Codes

antifragile

resilient

guiding

Legacy Lock-ins

freeing

Organisation

intrinsic

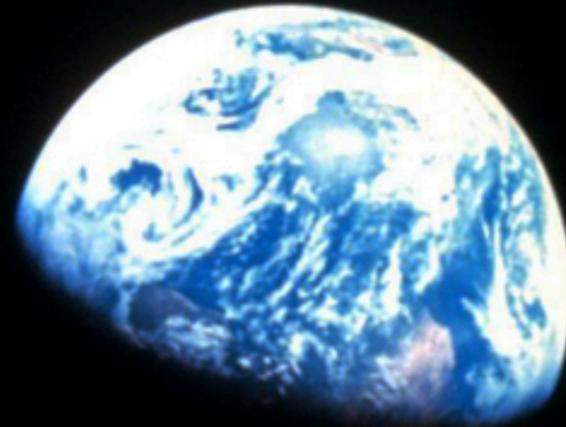
Perception of Self

sn

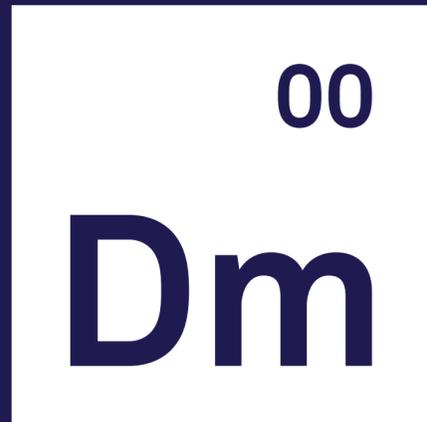
ICONE

CRITICAL MISSIONS

Three Horizons & Beyond



*We will need social imagination,
and our work must fundamentally offer a window for us to look
up in the sky and wonder at our place in the stars.*



DARK MATTER
LABORATORIES

2020 : indy@darkmatterlabs.org