

Accelerating Change and Transforming Industries

Neurodiversity: A New Paradigm Conference 2023

16 June 2023

Melissa Zanocco OBE

Infrastructure Client Group



Global Systemic Challenges

CHALLENGE

Exceeding Planetary Boundaries

Climate Change

Biodiversity loss





Circular Economy

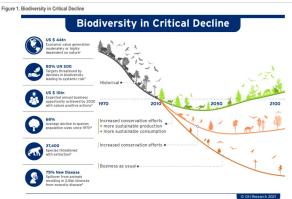


Adaptation (Resilience)
Mitigation (Net Zero)

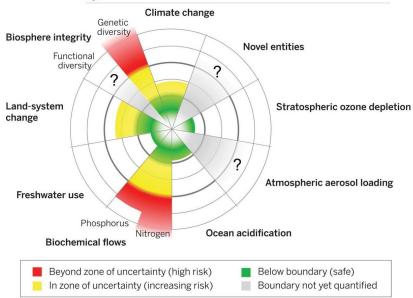


Biodiversity Net Gain





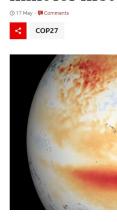
Source: Leclère et al, Nature, 2020 (DOI: 10.1038/s41586-020-2705-y), Adam Islaam International Institute for Applied Systems Analysis (IIASA), Citi Research & Global Insights



Source: "Azote for Stockholm Resilience Centre, based on analysis in Wang-Erlandsson et al 2022



Global warming set to break key 1.5C limit for first time

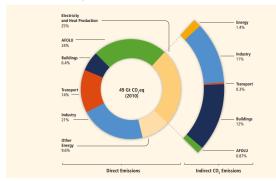




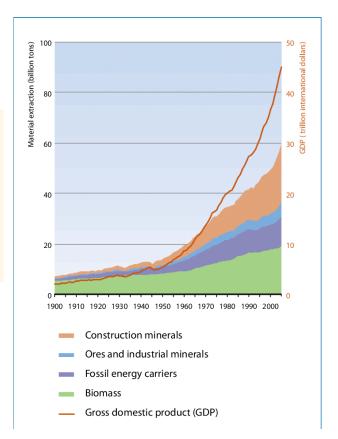


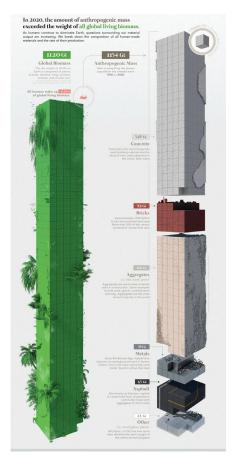
Built Environment

Greenhouse Gas Emissions by Economic Sectors



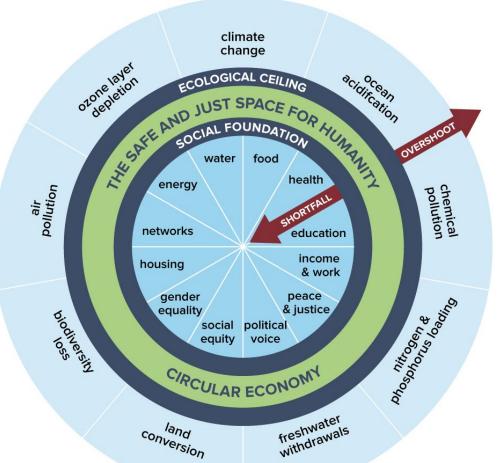
Source: https://www.ipcc.ch/report/ar5/wg3/





Source: https://www.visualcapitalist.com/visualizing-the-accumulation-of-human-made-mass-on-earth/





Sources: Our Shared Understanding: a circular economy in the built environment https://www.circularbuiltenvironment.com/Kate Raworth's Doughnut Economics

Planetary boundaries: exploring the safe operating space for humanity

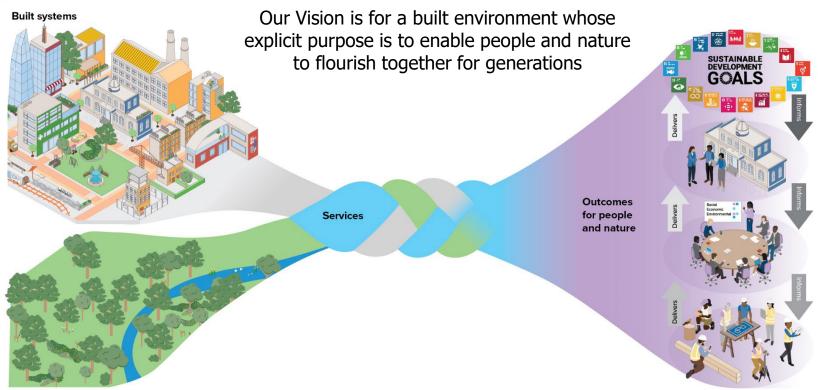


Insanity: doing the same thing over and over again and expecting different results. -Albert Einstein



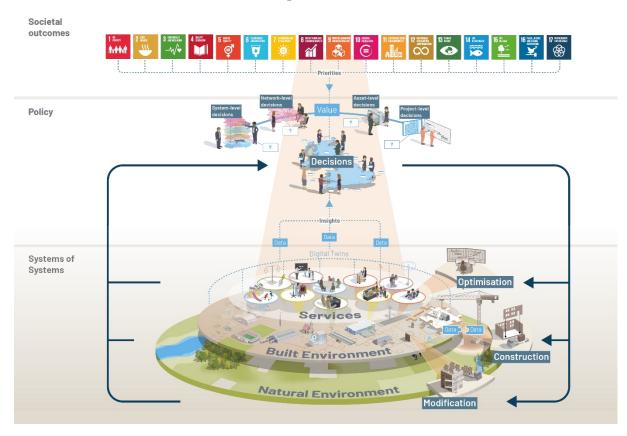
Natural systems

Our Vision for the built environment





IPA's Transforming Infrastructure Performance: Roadmap to 2030





Infrastructure Client Group Members































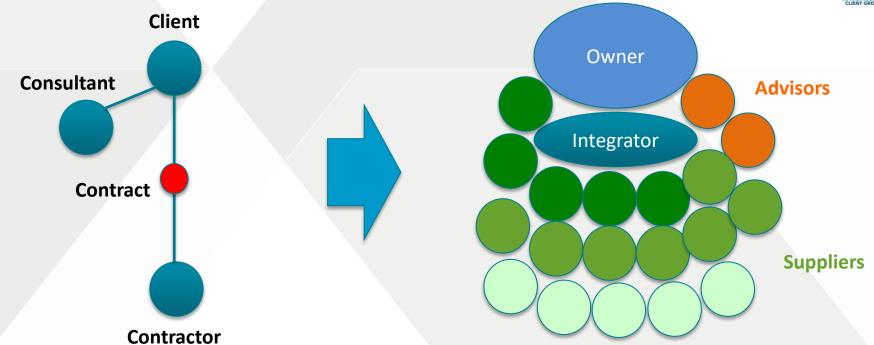






Project 13: from transactions to enterprises



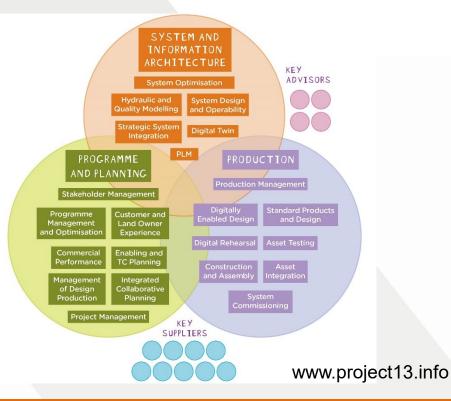


www.project13.info

Anglian Water









Societal outcomes









e.g. Green Procurement

















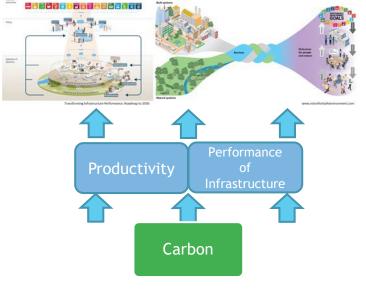


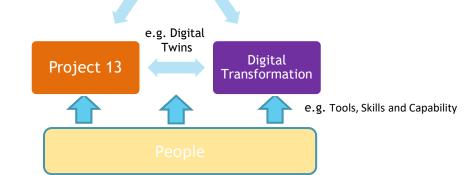




e.g. Climate Resilience Demonstrator CReDo









Societal outcomes























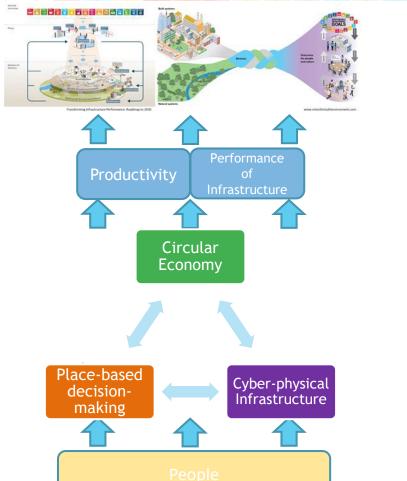




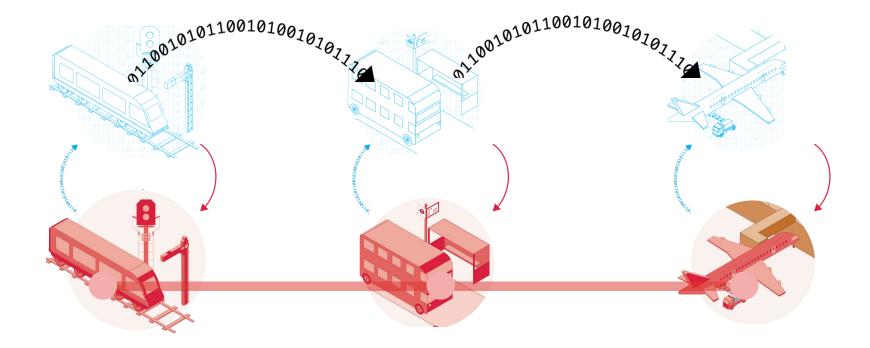








Ecosystem of connected digital twins







Tomorrow Today - a CReDo film







Identify one key concept or action necessary to make a truly circular and just future possible. Send one word.

Inclusivity and transparency Emphathy Ecosystems Invest in green tech Clear and common rules for everyone Dismantle capitalism Discussions Change Hubs AlignedDefinition Co-design Less material use Circular and just economy Join the frontrunners! Drop fossil fuels Decoupling Action Awareness Rethink Colaboration Finance Imagination Humility Decision Economy Activism Inclusion and education community Art Inclusion Trust Design Standardization Digitalisation create together Education Innovation redesign systemic change Insight Communicate Degroth Circular Co creation LCA Honesty Collaboration Equity Be bold Dialogue Financial Equality Co-create Diversity Degroth Circular DisciplineInnovate Pricing Cooperation Joy Degrowth Sufficiency Brave leadership Go vegan Cooperating Believe Co-creation Mind Business models Fairness Accountability Democracy Circular Hubs Communication Transparency Financing Regulation StrategyCircular business cases Engagement Ambition Creativity Build standardize circular economy Endless Decarbonization Experiment Data collection and interoperability Participation Designedtobefixed Material stewardship Defining safe operating space per region / country Foresight incentive intergration

