



University
of Glasgow

Centre for
Sustainable Solutions



GALLANT



Natural
Environment
Research Council

GALLANT: Glasgow as A Living Lab Accelerating Novel Transformation

**Delivering just and sustainable whole-systems
solutions at the city scale**

Scottish Funding Council & Scotland Beyond Net Zero:
Tackling the Climate Emergency Event
September 30th, 2025

Prof Jaime LToney
PI, GALLANT

NERC Strategic Programme
Changing the Environment
£10.5m (£12.6m FEC)
2022 - 2027





GALLANT

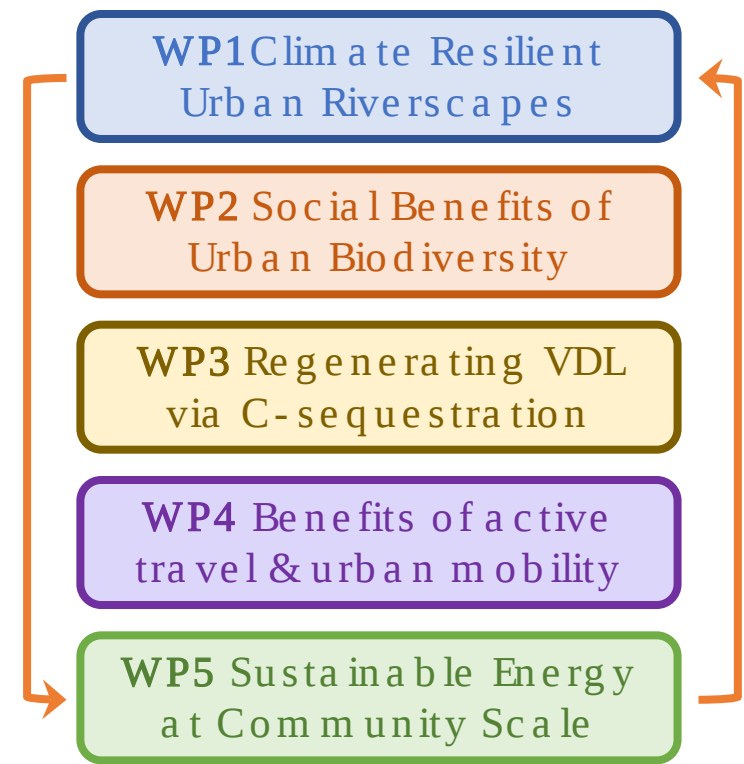
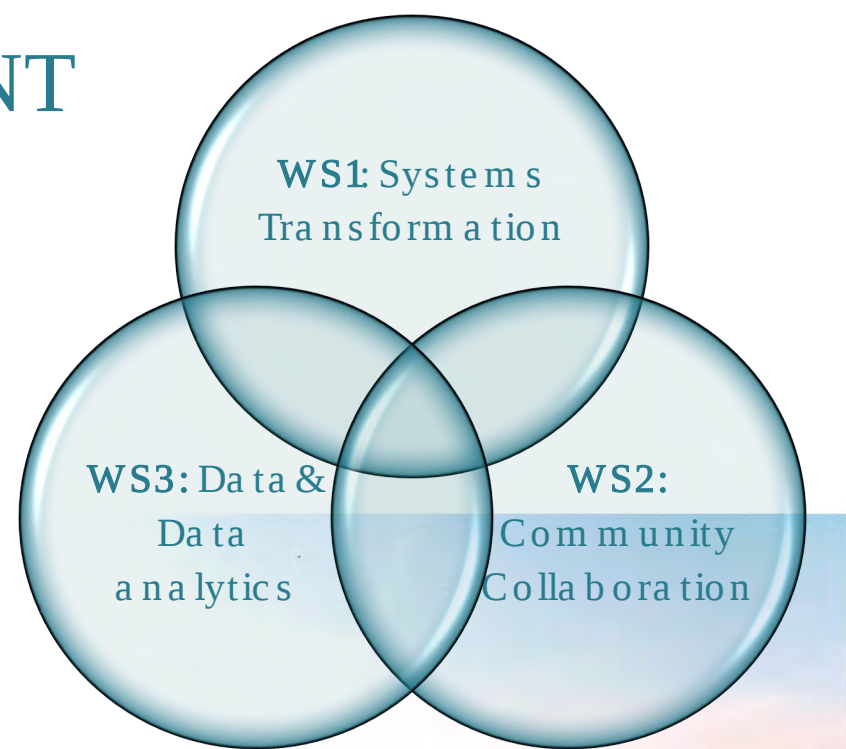
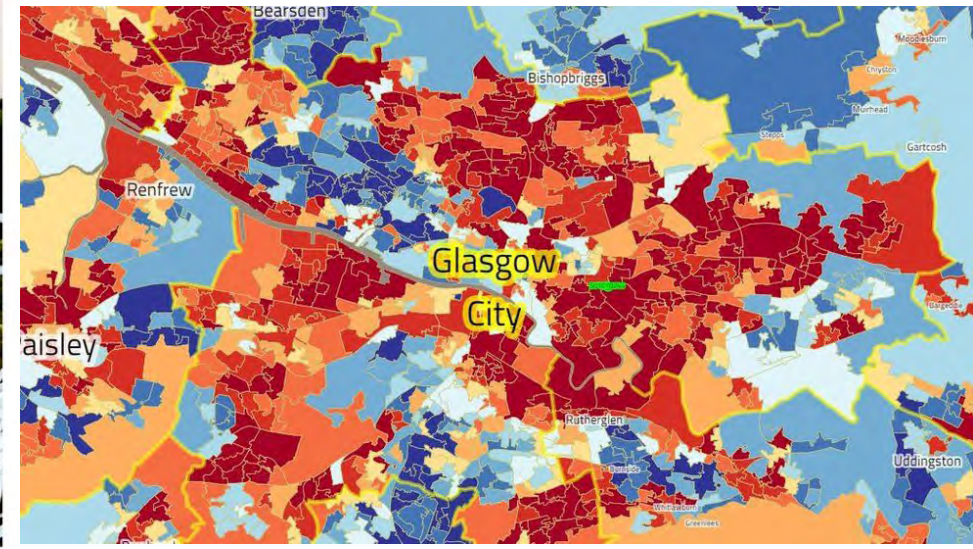


Image from : 'The Glasgow We Know'

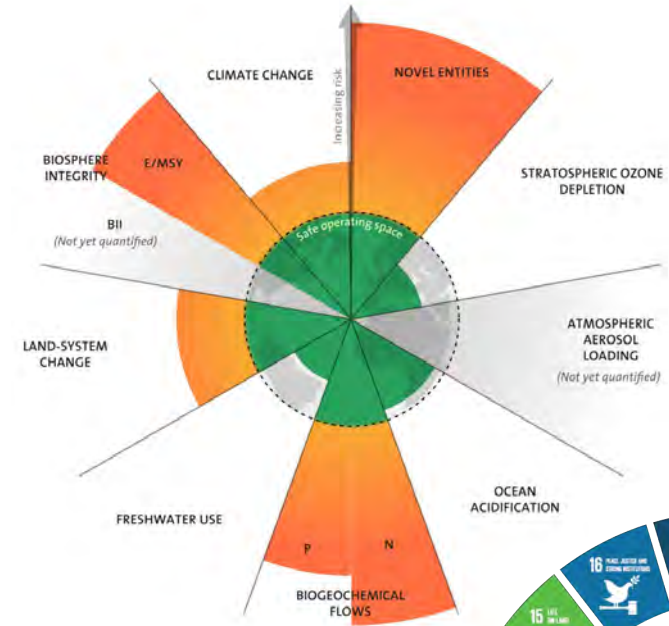


Scottish Index of Multiple Deprivation

Systems transformation



Planetary Boundaries



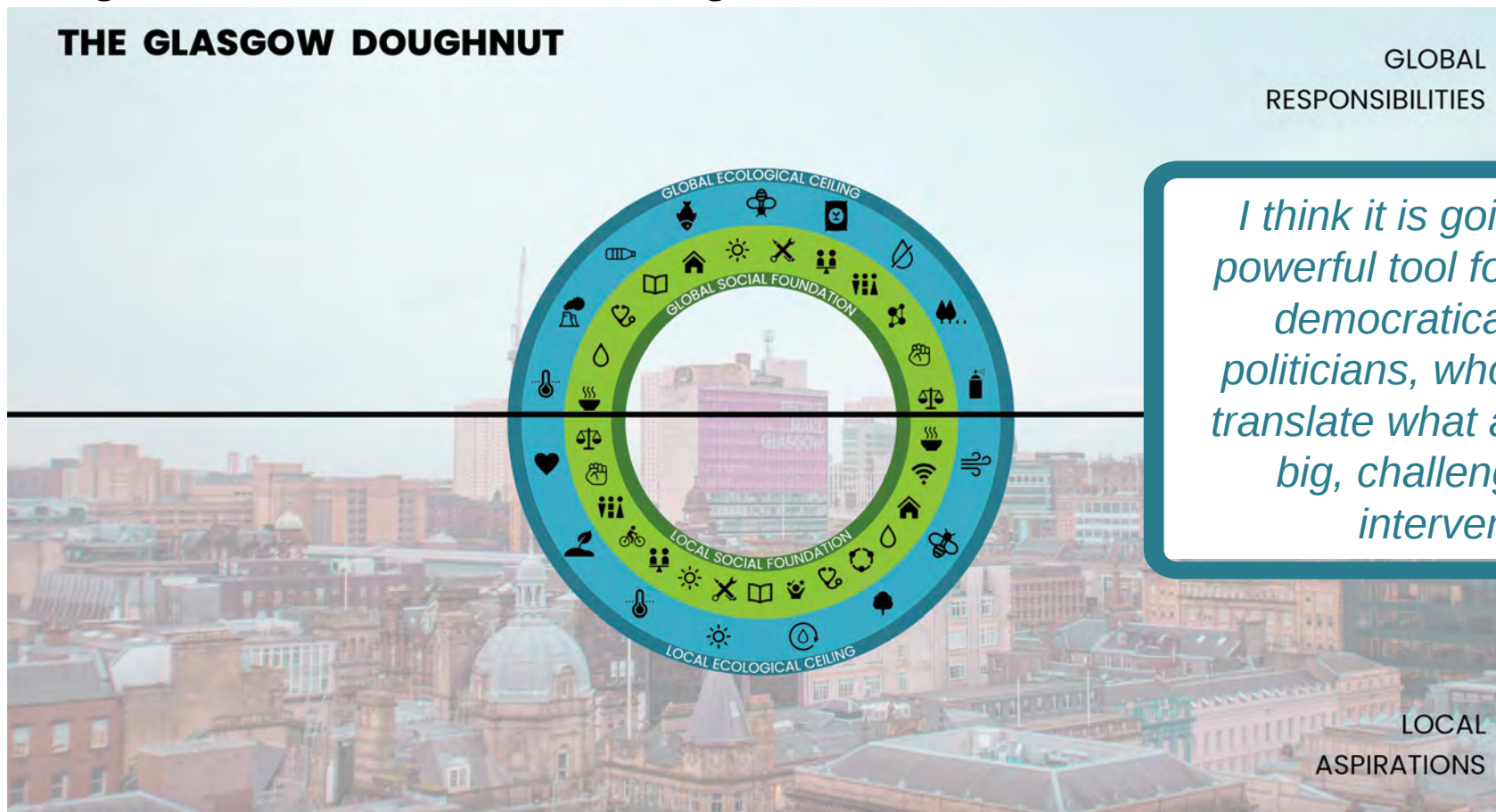
How can Glasgow become a home to thriving people in a thriving place, while respecting the wellbeing of all people and the health of the whole planet?

Systems Transformation

The Glasgow Doughnut visualisation provides open access to the co-produced Thriving definitions and insights into what being within the doughnut could look like for Glasgow.



THE GLASGOW DOUGHNUT



I think it is going to be a very powerful tool for folk like me, democratically elected politicians, who are trying to translate what are some very big, challenging policy interventions.

Susan Aitken,
Leader - Glasgow
City Council, 2024



GALLANT



Community Collaboration

Engaging communities as active participants and co-researchers in defining the City's values, co-producing interventions and evaluation designs of GALLANT's environmental initiatives

 <https://communitycollabglsgow.co.uk>



Glasgow GALLANT Community
@CommuniGALLANT Follows you

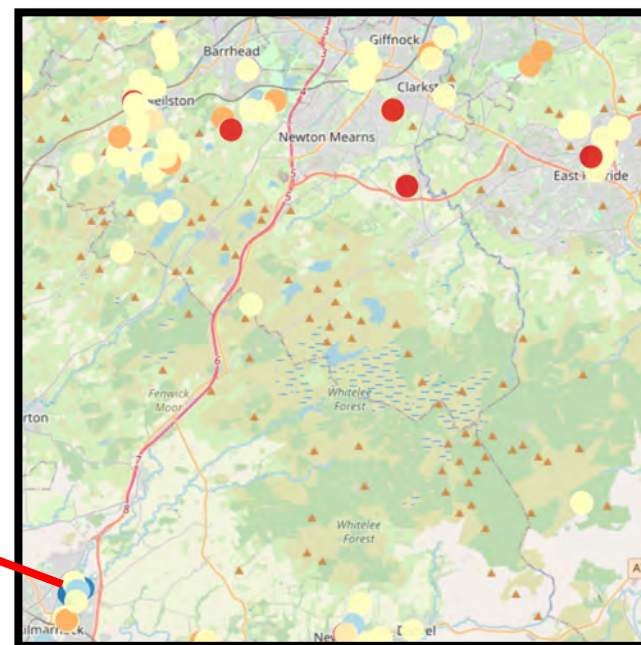


Data and Data Analytics

Virtual data hub (co-developed with GCC)

Web-interface and infrastructure for data hosting and cataloguing, geospatial visualisation and analytics.

AI pipelines Image and text analysis to explore patterns in sustainability within Glasgow in multiple data sources.



Data Zone: S01008019
Post text: "Howard park
Kilmarnock January 2023"
AI gen. Des.: "A tree that
has fallen down in a yard"
AI Sentiment: -0.52
Tags: "fallen, storm, tree"

This image is AI generated (due to privacy of Flickr photos)

Three elements that will lead to transformational change from GALLANT...

Doughnut Economics

- frames economic development through social, ecological, local and global lenses
- co-production from the start, moving toward place-based values
- forum for international shared learning

Community Collaboration

- deep partnership, building confidence, trust, knowledge & agency - local people shape climate action
- shifting culture so unis & local/national govt)
 - value local expertise
 - share power more openly
 - embed co-creation in decision-making

Inter / trans-disciplinarity

- Increased capacity for interdisciplinary research across the UofG – demonstrate what works
- A new cohort of ECRs using whole systems approaches as the norm