



Supporting Scotland's Land Use Transformations (JHI- C3-1)

End of Year 2 meeting with Scottish Government

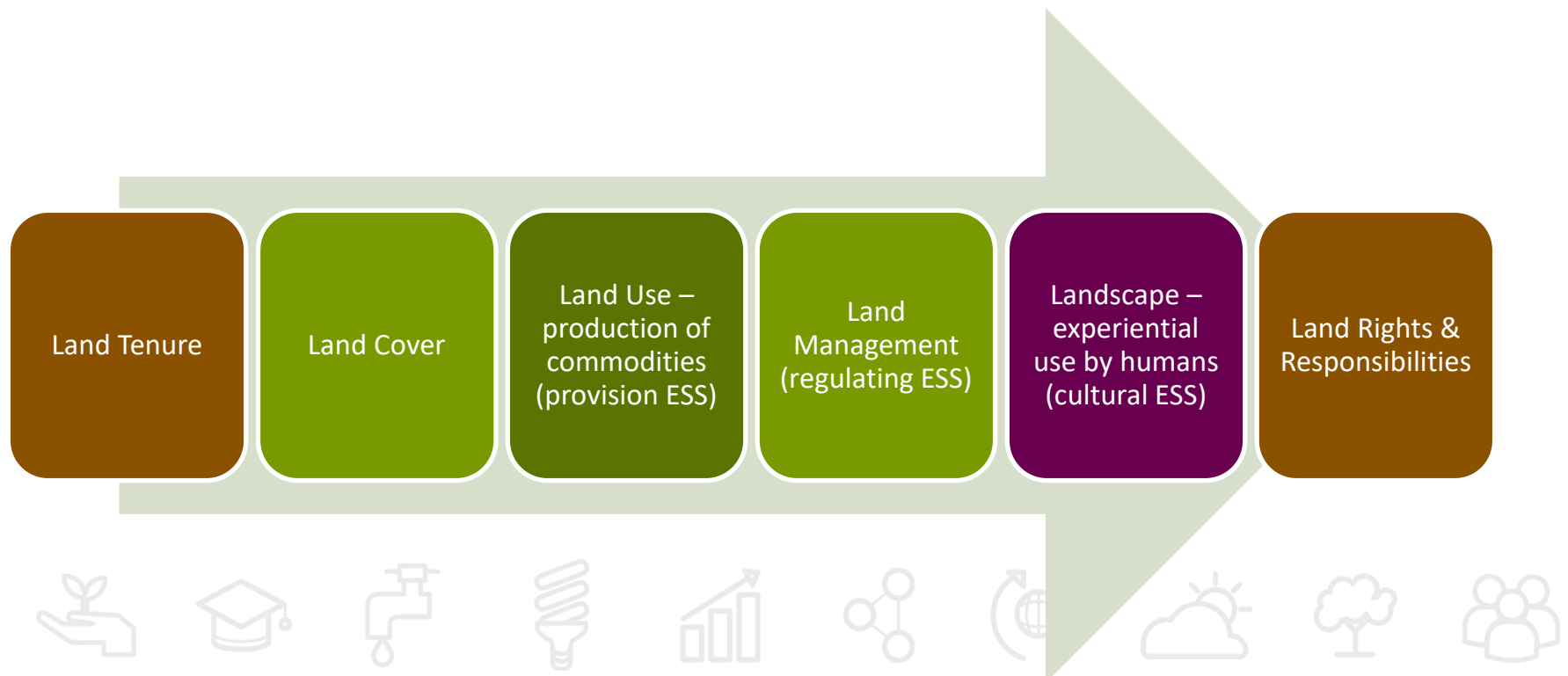
Keith Matthews, Online, 27 March 2024



The James
Hutton
Institute

Land Use Transformation – Scope

- To generate new insights for how land use in Scotland needs to change to meet climate change mitigation, adaptation, and other environmental objectives

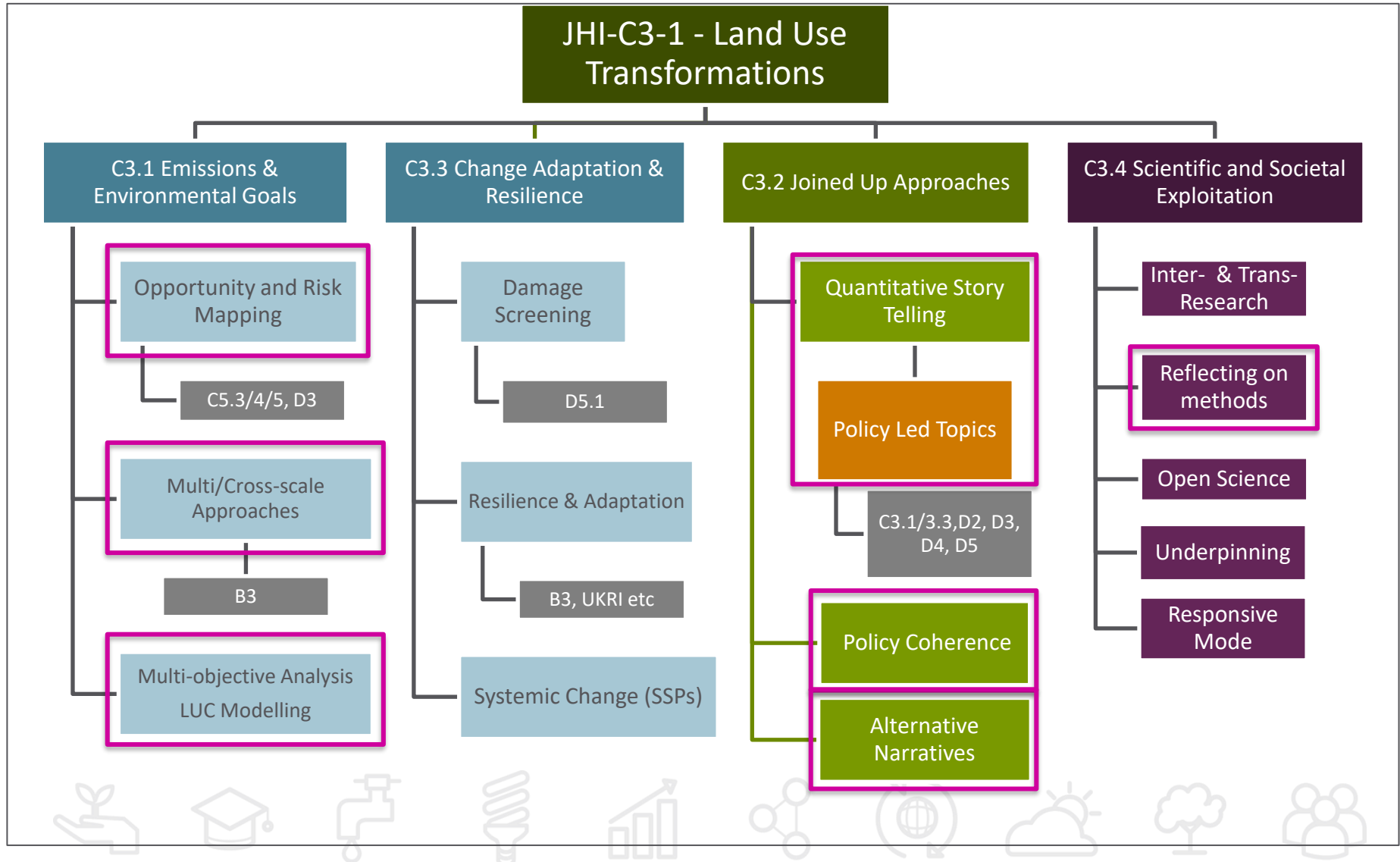


Shaping the Research

- Integrative
 - Systems
 - Higher level/broader
- Interdisciplinary
 - Social, natural and computational research
 - Policy relevant
- Transdisciplinary
 - Policy-led
 - Participatory
- Keith Matthews
 - Land systems and policy
- Kirsty Blackstock
 - Land use governance
- Naomi Beingessner
 - Land use narratives
- Hebe Nicholson
 - Land use governance
- Alessandro Gimona
 - Ecosystems services
- Mike Rivington
 - Climate, land capability
- Matt Aitkenhead
 - Soil use and management



Projects, WPs and Activities



Agenda

Meeting objectives – awareness of activity, where interest then please follow up in Q&A, or chat and with TLs' direct – networks and enduring collaborations.

1. Keith Matthews – **Project Overview** (5+5)
2. Mike Rivington – **Mitigation and Adaptation** – Climate-Soil Interactions and LCA (10+5)
3. Alessandro Gimona – **Land Use Change Analysis** – Evaluating LUC Scenarios and Adding Farm Structure (10+5)
4. Fraser Macfarlane – **Peatland Mapping** – New Peatland Extent and Condition Maps (10+5)
5. Kirsty Blackstock – **Governance Issues** – Policy Coherence (10+5)
6. Naomi Beingessner – **Land Use Narratives** (10+5) – SG Consultation Responses and Lesser-Heard Voices
7. Keith Mathews – **Policy-led Work**, Quantitative Story Telling (QST), Enhanced Conditionality and Payment Regionalisation (10+5)
8. Hebe Nicholson – **Monitor and Evaluation** – Analysing the QST process (10+5)
9. Open Q&A
10. Lee Ann Sutherland – **Land Use and Net Zero Hub** – Scotland and UK policy support.



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Previous related analyses are also available from the Hutton Land Systems Research Team website -
<https://ics.hutton.ac.uk/research/land-systems-research-team/>

The sets of slides and maps generated in Agriculture Policy analysis from 2010 onwards are available from -
<https://ics.hutton.ac.uk/research/land-systems-research-team/cap-analysis/>

For woodland expansion analysis see - [online mapping](#) and [paper](#).

[Story Map for Land Use Transformations](#) - land use change modelling.

Further research in the RESAS Strategic Research Programme 2022-27, in the [Land Use Transformations](#) (C3-JHI-1) and [Land Reform](#) (E3-JHI-1) projects.

The James Hutton Institute is supported by the Scottish Government's Rural and Environment Science and Analytical Services Division (RESAS)

