AMDEG: Assessing the Mitigation Deterrence Effects of GGRs

RCUK programme Greenhouse Gas Removal from the Atmosphere

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£300k

NILS MARKUSSON, DUNCAN MCLAREN, DAVID TYFIELD, ANDREW JARVIS

LANCASTER ENVIRONMENT CENTRE

BRON SZERSZYNSKI, REBECCA WILLIS

DEPARTMENT OF SOCIOLOGY

Lancaster University

MANY (e.g. IPCC) ASSUME GGRs WILL SUPPLEMENT MITIGATION …

… IS THAT A REASONABLE ASSUMPTION?

Interactions
Some deter or delay!

Hard to study, but likely
E.g. CCS

Physical, Economic -> Cultural & Political

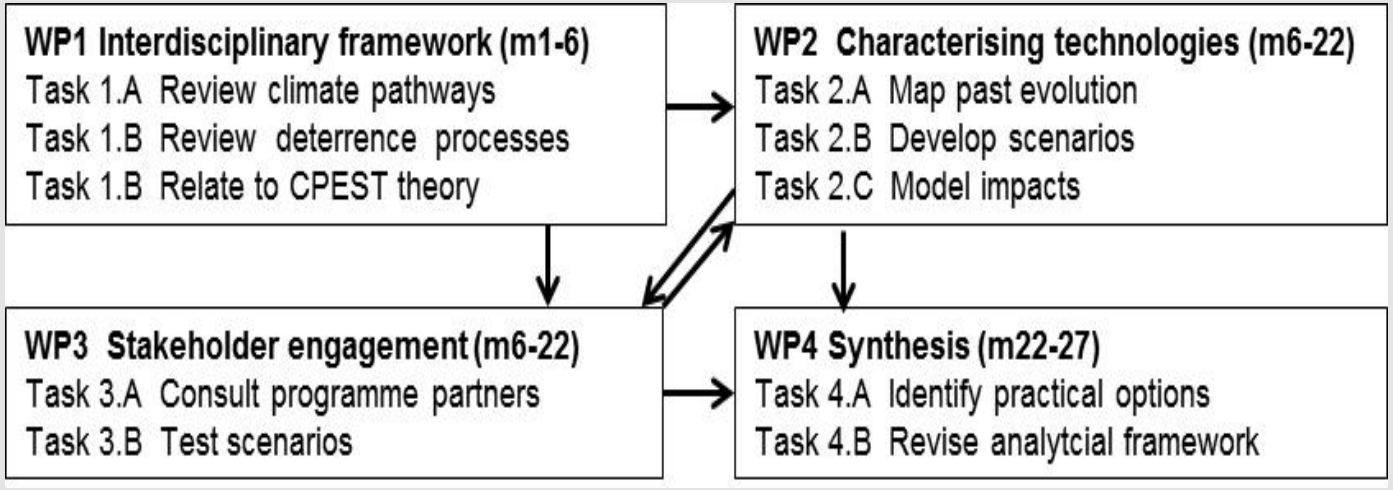
Individuals –> Collective Decisions –> Emergent

Markusson et al (2017); McLaren (2016)

QUESTION, GOALS, WPs

Under what conditions can GGR coexist with, and complement, other mitigation strategies?

1. Identify and characterise
2. Help counter
3. Re-conceptualise
4. Engage!



COLLABORATION?!

Selected GGRs

- BECCS
- Air capture
- Soil carbon enhancement
- Enhanced weathering

Societal responses

- Cultural Political Economy
- (Jessop, Tyfield)

- Interviews and focus groups
- Feedback on scenarios
- Sharing possible causes of deterrence and synergies

REFERENCES

Markusson, N., M.D. Gjefsen, J.C. Stephens and D. Tyfield, 2017. 'The political economy of technical fixes: The (mis)alignment of clean fossil and political regimes'. *Energy Research & Social Science* 23: 1–10

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