Deliberative-analytic approaches to Ecosystem Services as a way forward for the land sparing/sharing debate

Article (Other)

Durrant, Rachael and Ely, Adrian (2022) Deliberative-analytic approaches to Ecosystem Services as a way forward for the land sparing/sharing debate. Land Use Policy, 116. a106061 1-12. ISSN 0264-8377

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Research domain

Land sharing

Agroecological practices

Pristine wilderness

Conservation grazing

Organic agriculture

Industrial agriculture

Trophic rewilding

Conventional farming

Nature conservation

Regulatory drivers

Food production

Data gathering

Appraisal options

Re-wilded estate

Peri-urban nature reserve

Agroecological farm

Conventional farm

Relevant perspectives

Appraisers: e.g., Farming

Data

Appraisal criteria

Ranks & scores

Qualitative analysis: findings (I)

Appraisal criteria – key themes

Biodiversity of species and habitats

Soil health and sustainability

Food quality, quantity, variety, equity and security

Education, health and care

Desirability

Viability

Partial fit

Ecosystem Services Framework – service categories

Supporting and Regulating

Provisioning

Cultural

Quantitative analysis: findings (II)

Cutting the data...

Key perspectives

Ranks & scores

Service categories

Contentious issues

e.g., Genetic diversity

e.g., Food security

Synthesis:

Conclusions for land use policy

- Limitations of Ecosystem Services in relation to land sharing models
- Potential for developing more deliberative-analytic approaches