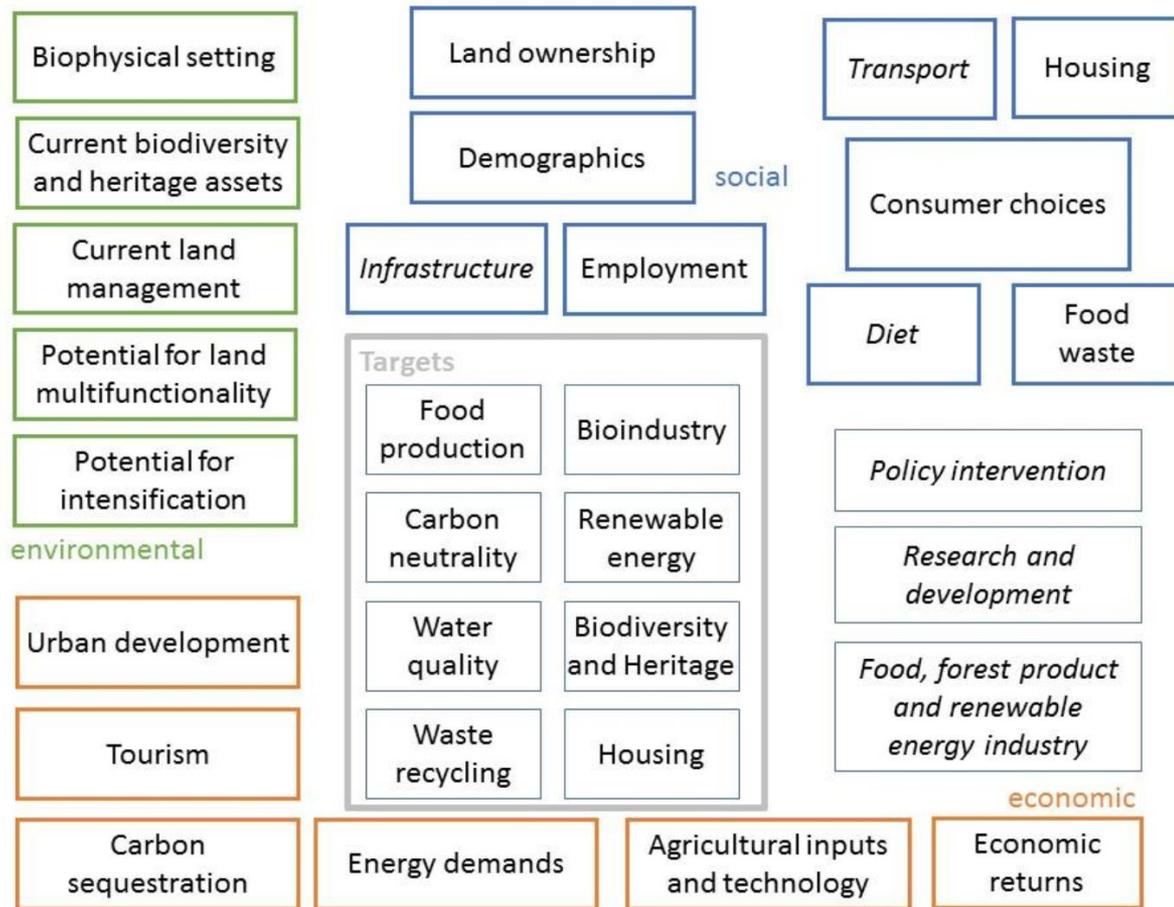


#CAP4NATURE.

Integrating urban and rural development

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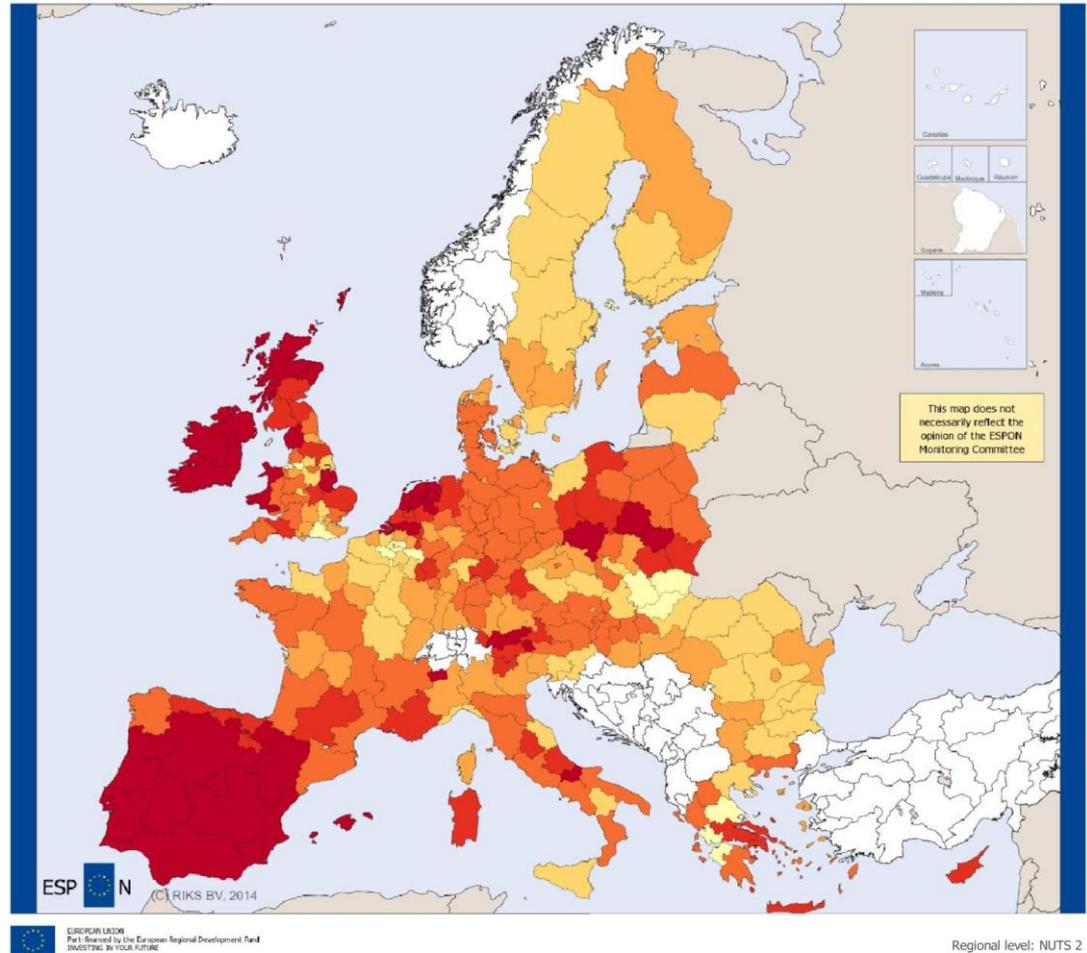
Land use system in Ireland



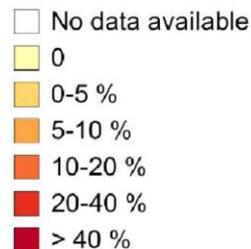
Spatial variation in the environmental, social and economic characteristics is important to consider when the land is governed and managed as a common resource shared between sectors. The agricultural, forest product and renewable energy industry, policy interventions (Targets), and research and development can potentially affect any of the system elements identified

1. Status

Urbanization is one of the most important drivers of land use change in Ireland

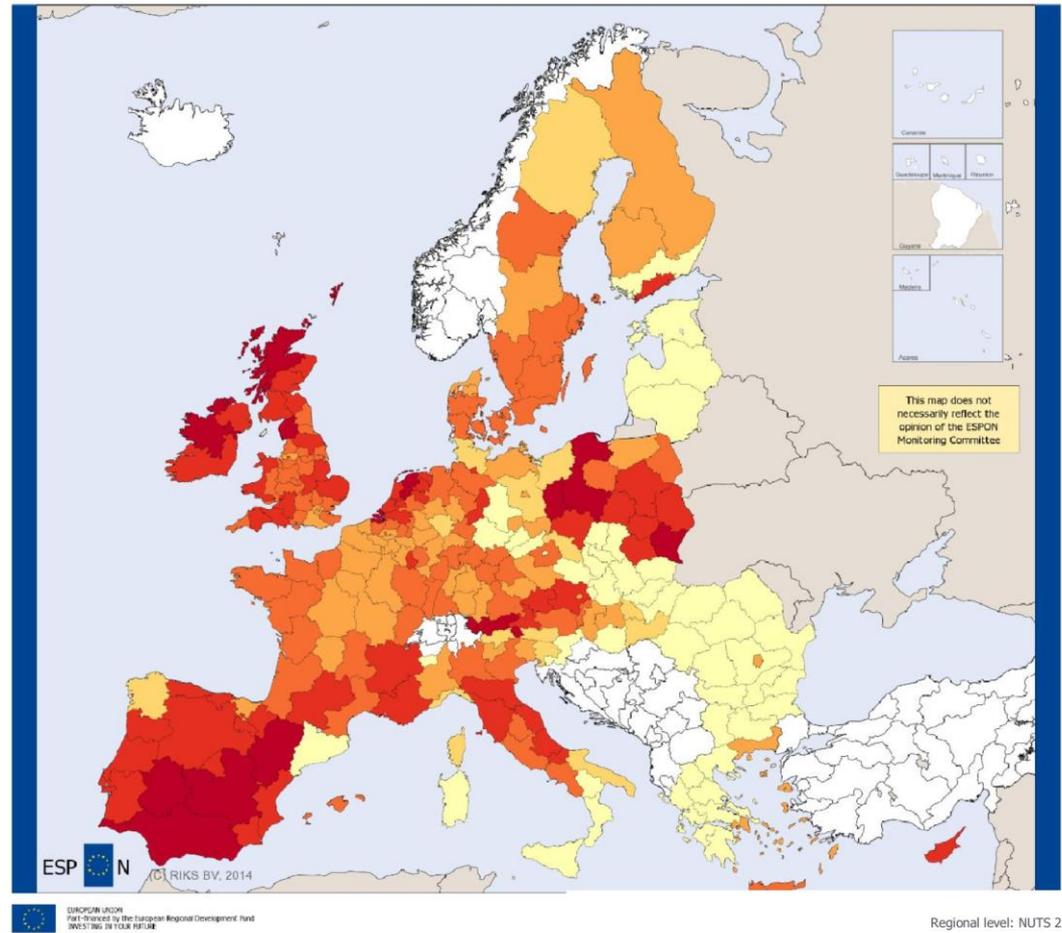


Increase in urban surface 1990-2006



2. Trends

Urbanization is one of the most important drivers of land use change in Ireland – and this will continue into the near future



Increase in urban surface 2010-2030 Baseline

Regional level: NUTS 2

Source: RIKS, 2014

Origin of data: Metronamica model, 2014

©EuroGeographics Association for administrative boundaries

3. Drivers/Pressures

- Attraction of urban areas in terms of educational and job opportunities
- Inward migration
- Access to urban infrastructure (schools, hospitals, public transport, etc.)
- Low profitability of Irish farms
- Loose planning controls on urban development

4. Solutions

- Stronger and integrated planning of both urban and rural development (Hersperger et al. 2018)
- Focus on co-benefits of integrate urban-rural development in terms of ecosystem service access for urban populations (e.g. food, energy, recreation, etc.) and conversion of ecosystem services to economic benefit for rural populations (e.g. direct marketing, local energy schemes) (UN, 2019)
- Harness urban population know-how and potential support in terms of voluntary labour to achieve conservation goals and sustainable land management

References

Hersperger, A. M., Oliveira, E., Pagliarin, S., Palka, G., Verburg, P., Bolliger, J., & Grădinaru, S. (2018). Urban land-use change: The role of strategic spatial planning. *Global Environmental Change*, 51, 32-42. doi:<https://doi.org/10.1016/j.gloenvcha.2018.05.001>

Hochstrasser, T. and Herzig, A. (2018). *Research needs for climate change mitigation through land use change. How can activity change for carbon neutrality be contextualized within activities of other sectors?* Final Report Project no: 2014-CCRP-DS.9. Environmental Protection Agency. Wexford. Available at: <http://erc.epa.ie/safer/iso19115/display?isoID=3170>

UN. (2019). *Global Sustainable Development Report 2019: The Future is Now – Science for Achieving Sustainable Development*. Retrieved from New York: https://sustainabledevelopment.un.org/content/documents/24797GSDR_report_2019.pdf

van Delden, H., & Vanhout, R. (2014). *Volume 5: Land use Trends and Scenarios'*, in: *ET2050 – Territorial scenarios and visions for Europe*. EPSON. Retrieved from <https://www.espon.eu/programme/projects/espon-2013/applied-research/et2050-territorial-scenarios-and-visions-europe>