

# Targets for Sustainable And Resilient Agriculture – TSARA

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Project aims to involve stakeholders in France, the United Kingdom, the Netherlands and New Zealand to envisage sustainable agricultural systems in 2030 (in relation to the Sustainable Development Goals) and 2050 (FACCE-JPI, Surplus) and then develop pathways from our present-day agriculture to these futures

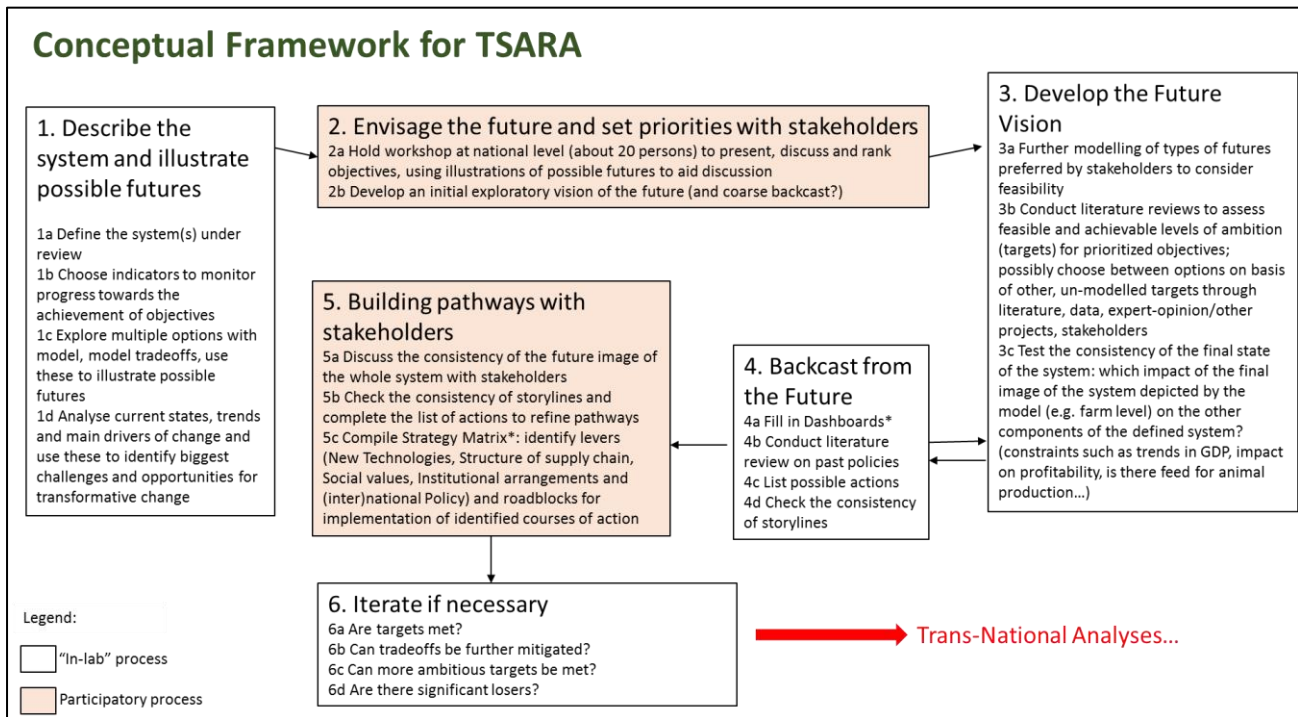


Figure 1: Iterative, participatory process that sits at the heart of TSARA

TSARA uses backcasting to identify steps along the way from the present to the envisage future.

We work backwards in time from the desired future in steps to reach the present and so identify what actions need to be taken when.

If it is impossible to achieve the desired future with present technology or institutions, we ask ourselves and our stakeholders what needs to change in order reach the overall goals.

TSARA uses a participatory process (Figure 1) to elicit views as to what the future should look like (targets) and modelling (e.g. Figure 2) to help identify tradeoffs and provoke discussion with and among stakeholders

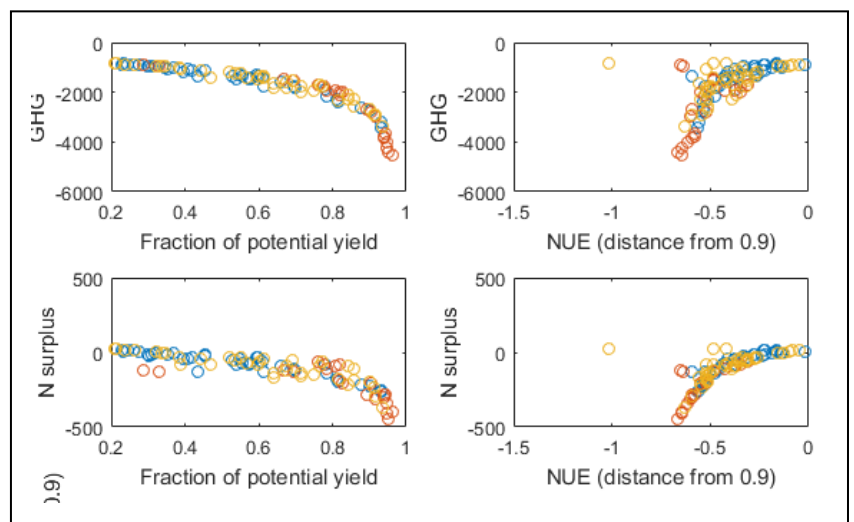


Figure 2 Modelled trade-offs between yield GreenHouse gas emissions (CO<sub>2</sub> equivalent) or Nitrogen Use Efficiency

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