

Environmental Sustainability Knowledge Transfer Network

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Environmental Sustainability KTN mission:

Accelerating the **transition to a low carbon, resource and energy efficient economy** by connecting businesses, universities, other research organisations & Government agencies

Catalysing innovation across emerging environmental technologies



Knowledge
Transfer
Network

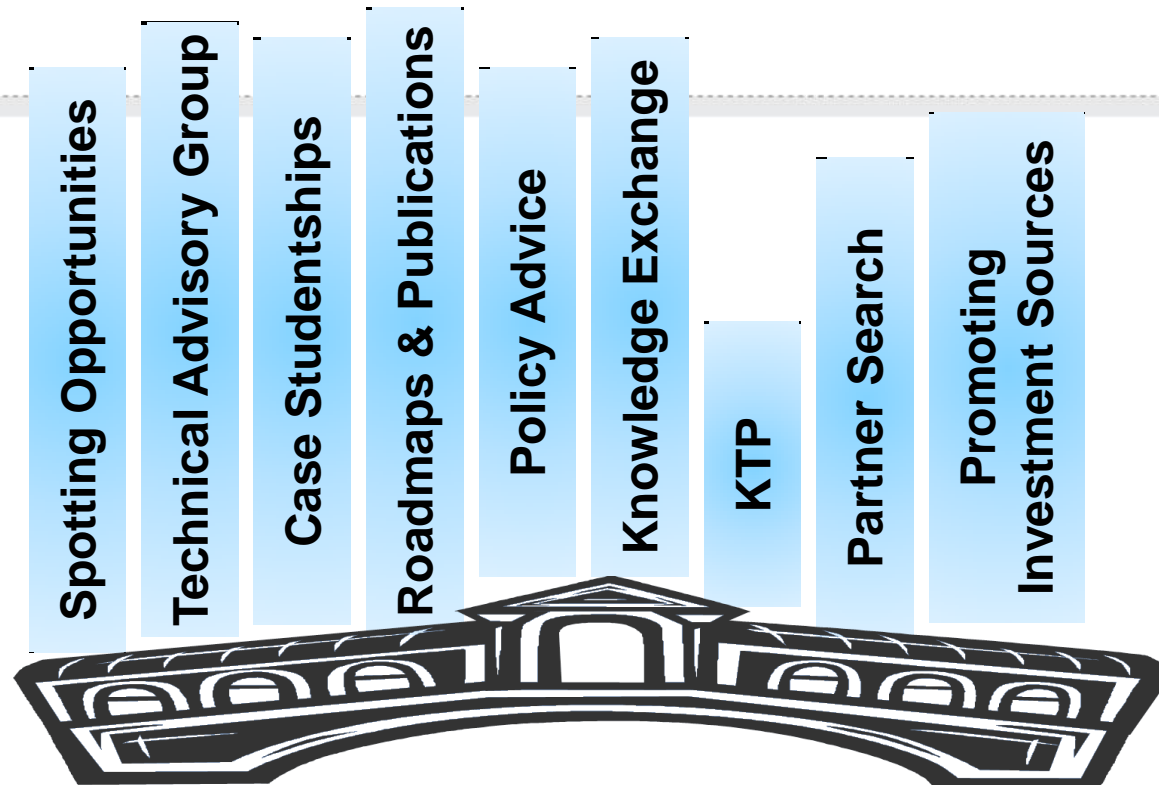
Environmental
Sustainability

Network Access and Influence

Technology Strategy Board
Driving Innovation



Connecting for Innovation



Universities and other R&D

Industry

1

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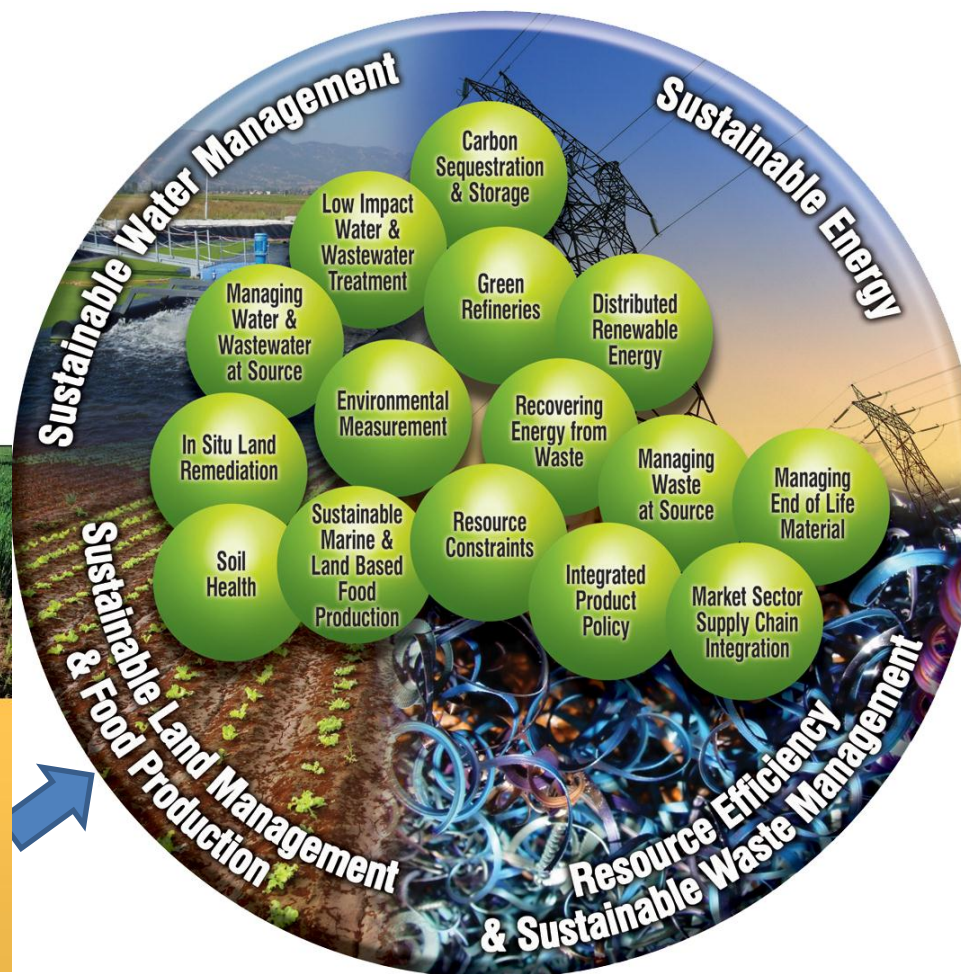
Basic
principles
observed

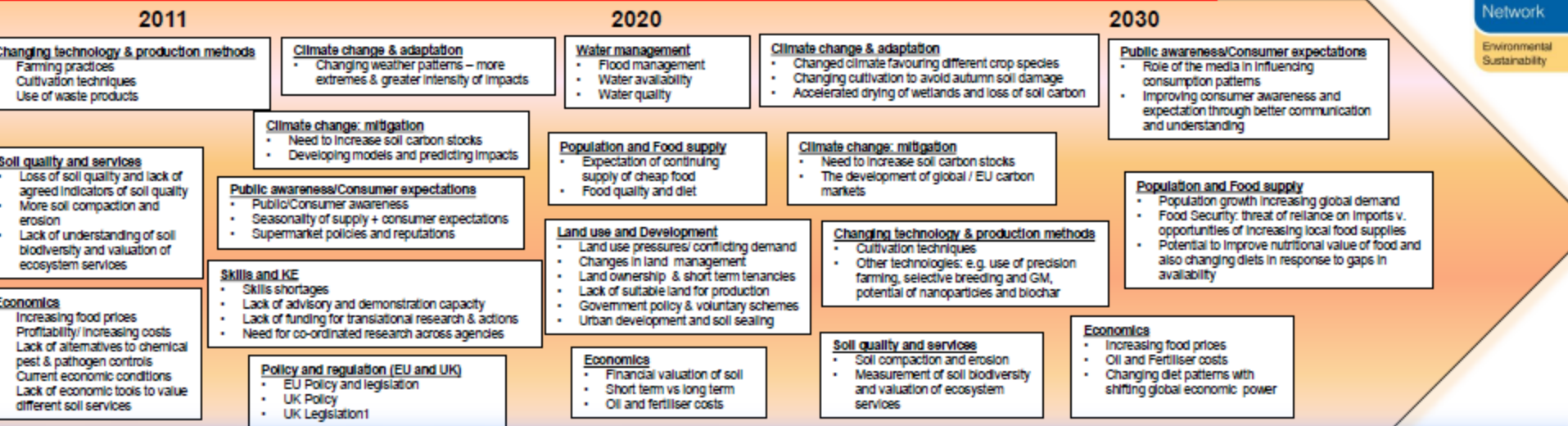
Laboratory
demonstration

Prototype in
an operational
environment

New product
or service

ESKTN Priority Areas in Sustainable Land Management and Food Production

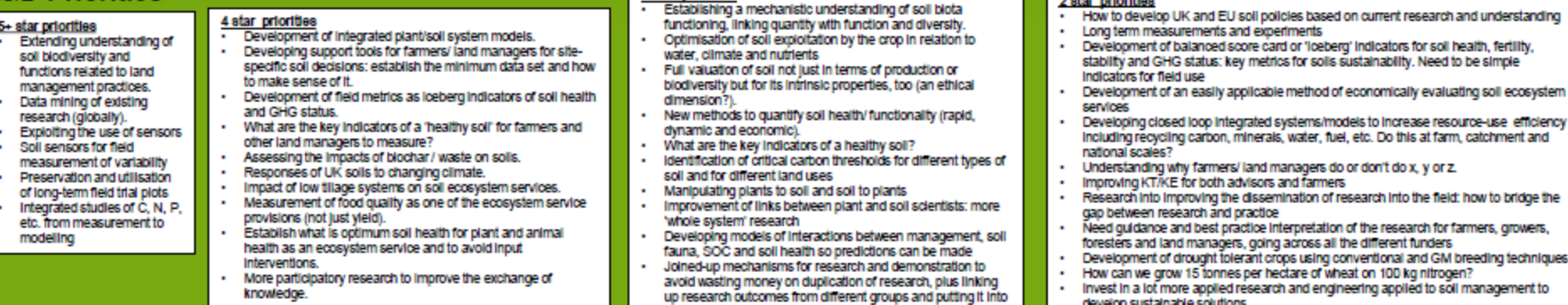




Science & Technology research requirements/ opportunities



R&D Priorities

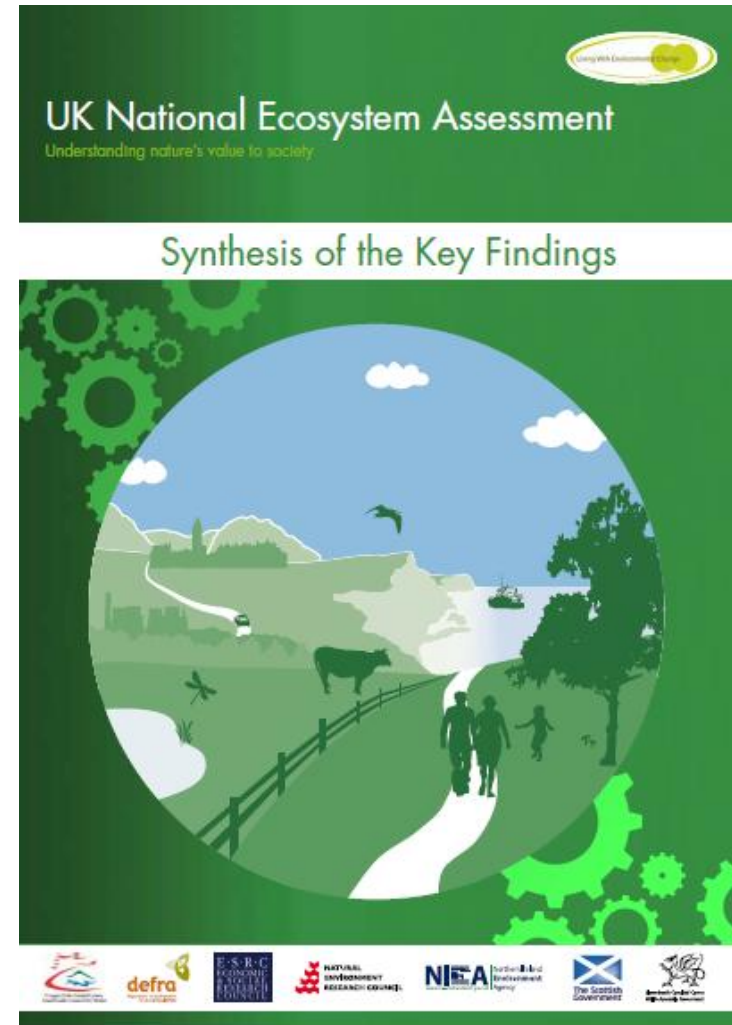


ESKTN priority work in Soil Health

- Top 5 Priorities identified by workshop participants:
- Better understanding of soil biodiversity and functions related to land management practices
- Establishment of more (and funding of on-going) long-term trials and demonstration plots
- Integrated studies of nutrient fluxes from field measurements to modelling and more integrated plant and soil system approaches and models
- The potential for using data mining on existing global research outputs
- More development and use of sensors in order to provide adequate field measurements and assessments of variability: (now the subject of a lot of industry interest related to precision farming and TSB collaborative R&D projects)

Ecosystem services and the UK NEA

An opportunity for further development and business engagement, especially around soil health, land and catchment management and other aspects of resource efficiency and the circular economy



WaterDiss 2.0

General objectives

- To promote the use of FP environmental research results in the definition of national, EU and international policies, in order to support economic growth;
- To identify FP funded environmental research projects and results with high EU added value;
- **To carry out innovative dissemination activities to share the results with stakeholders at national and/or international level;**
- To identify research priorities and environmental policy gaps to cope with future societal needs while contributing to sustainable growth;
- **To disseminate in different user-friendly media for targeted audiences of policy makers, PhD students, researchers, Small and Medium size Enterprises and industries.**