THE GLOBAL LONG-TERM AGRICULTURAL EXPERIMENT NETWORK

https://glten.org/

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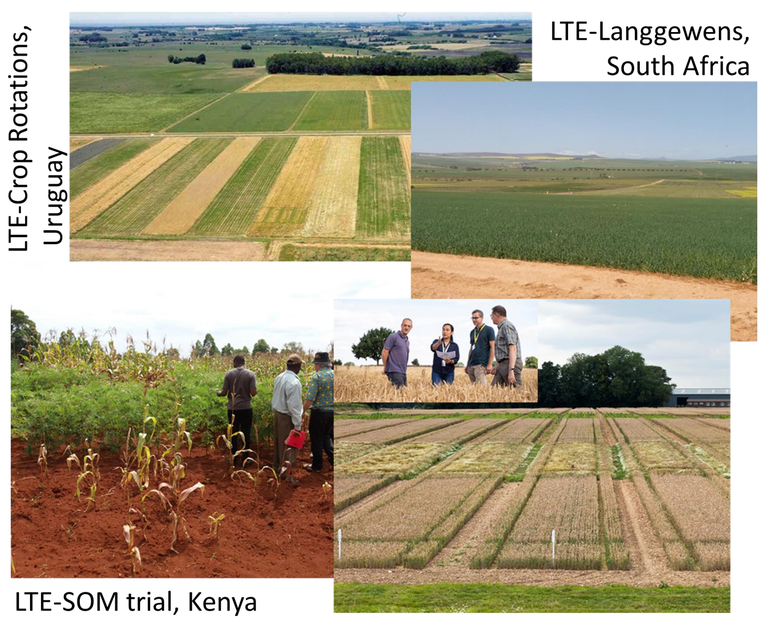
Why Long-Term Experiments are important?

- Long-term measurements are essential for evaluating environmental change operating over long time scales
- Long-term data are extremely important for supporting the development of mechanistic models
- LTE-datasets can be re-used to address new research questions which may be beyond the scope of the original design
- Mining the large and high-quality datasets collated across multiple LTEs can facilitate the pursuit of sustainable food production systems whilst contributing to meeting the UN's Sustainable Development Goals

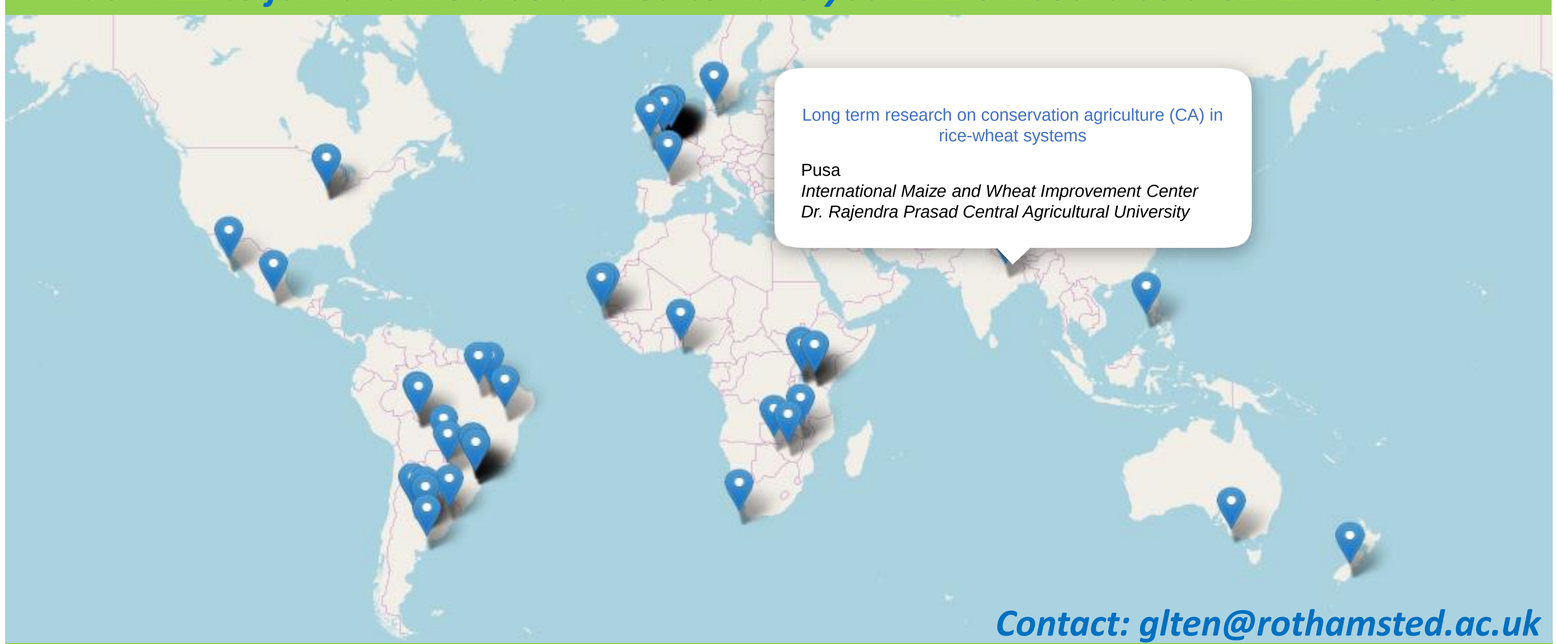


Background

The GLTEN is a network of long-term agricultural experiments and associated researchers spanning six continents and representing a range of climates, environments, crop systems and farming practices.

The GLTEN was launched in May 2018 with the aim of establishing a collaborative network within the international community. The success of the network is overseen by the GLTEN-Steering Committee who also facilitate collaborative research within and beyond the network.

It's FREE to join and we'd be thrilled to have your LTE on board as a GLTEN-member.

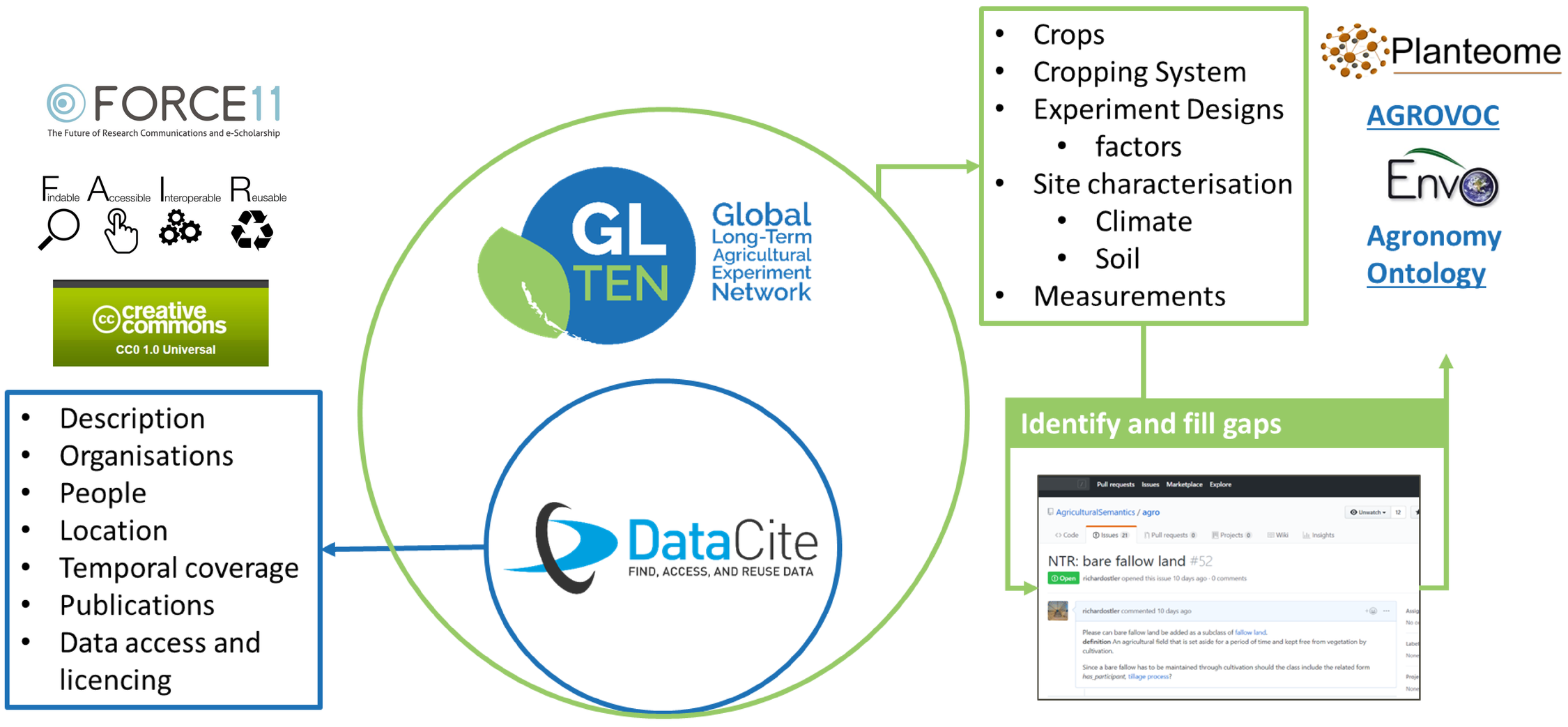


Long-Term Agricultural Experiments

GLTEN Metadata Portal

The GLTEN metadata portal offers an online-tool to facilitate the **Findability** and **Accessibility** of LTE data. The portal applies **FAIR Data Principles** (***f***indable, ***a***ccessible, ***i***nteroperable and ***r***e-usable) and provides a public GLTEN API for programmatic access to LTE metadata. The portal also enables searching of registered LTEs based on *key* experiment properties.

GLTEN Metadata Schema



Source: **AIMS webinar series by Ostler, R. (2019)** https://www.youtube.com/watch?time_continue=1&v=llxMwjhRKpk&feature=emb_logo

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Thirty Percy
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