where agriculture, biodiversity and information technology meet

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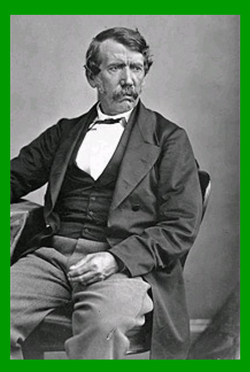
Aims and Objectives

agINFRA will design and develop a scientific data infrastructure for agricultural science to facilitate the development of policies and the deployment of services that promote sharing of data among agricultural scientists and develop trust within and among the community.

The project aims to create a high level of interoperability between agricultural and other data resources using Linked Open Data technologies.

Adapting agriculture to climate change through crop wild relatives:



David Livingstone's Missionary Travels and Researches in South Africa, first published in 1857, records the location of coffee estates in what is now Mozambique, providing an invaluable historic record. However, the book is not about coffee, nor does it have coffee in its title.

Review of stakeholder needs:

Results:

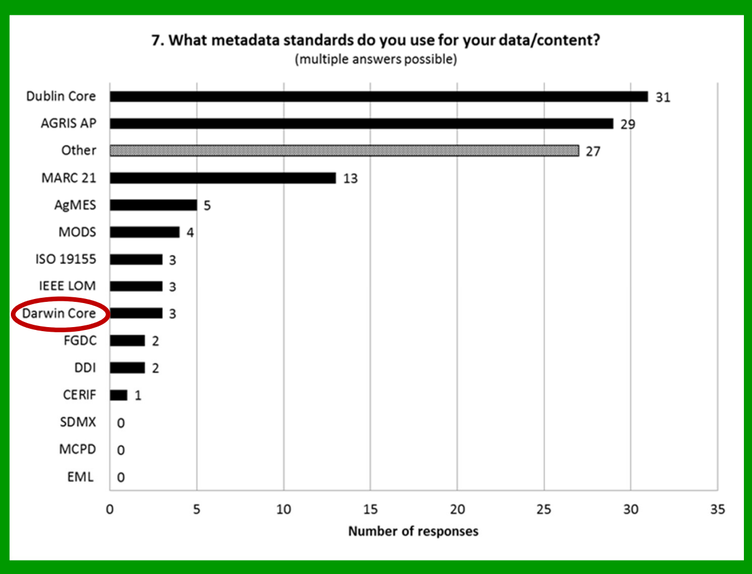
- target core research domains of agriculture, agro-biodiversity and agro-ecology
- but must support multidisciplinary research domains and methods too

Recommendations:

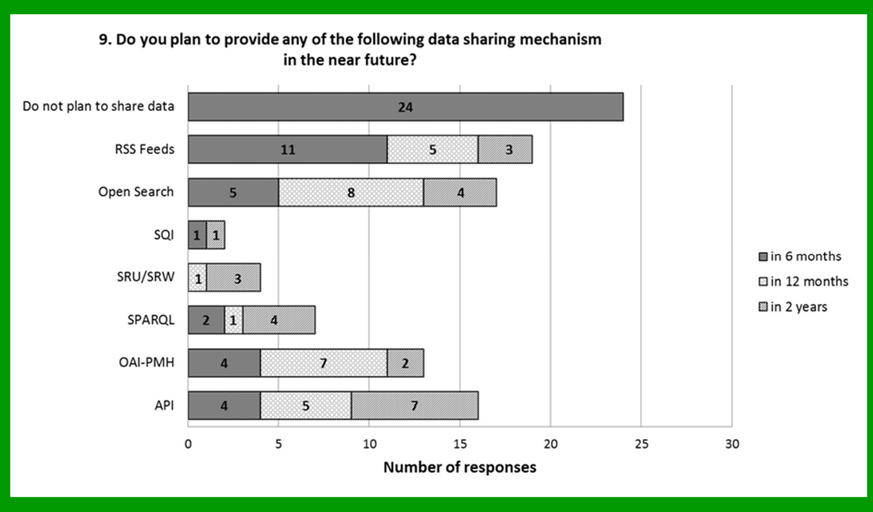
- expand the existing agricultural semantic layer to closely related domains
- provide support for generic research workflows
- investigate user interaction to allow for enhanced, cross-disciplinary research information services

agINFRA conducted an online survey consisting of 20 questions completed by 114 information managers. Results from two questions of particular interest to TDWG are shown on the right.

Currently there are two clear preferences for metadata standards for agricultural data.



The EU mandates open access to papers, but much data will remain closed.



agINFRA EU FP7 e-Infrastructure project – Grant agreement n° 283770 www.aginfra.eu

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