



Common Animal Data Schema

Introductory Session – 5 December 2019



Session Outline

Introductions

Project Overview and Objectives

Project Scope & Approach

Dates and topics for discussion

Using GitHub

GitHub Demo

Q&A



Project Aims and Objectives

- Encourage and support data sharing between devices, farm management solutions, and industry systems.
- Provide a better experience for farmers (our collective end-users and customers)
- Enable data analysis and manipulation that was not possible with data in silos
- Standard schemas and approaches can reduce the cost of development when sharing with multiple other systems
- Participate now, implement when appropriate



What is the scope?

- Identity
- Life data
- Parentage
- Events
 - Weight
 - Condition Score etc.
 - Health Treatments
 - Registrations & Movements
 - DNA Sampling
 - Wool



How

- There is a busy landscape of technology and standards development
- Key players relevant to livestock include ICAR, DataLinker, JoinData – with the intersection being the ICAR animal data exchange group
- Start with what we can from these groups
- Ensure Australian red meat needs are addressed
- Collaboratively submit back to international standards groups





Project Approach

- The scope is broken down and covered over a series of zoom sessions.
- Draft object models provided prior to relevant session
- Participants are encouraged to submit changes or raise issues in GitHub
- Joint discussion and agreement reached on participants suggestions
- JSON Schema and data dictionary developed
- Participants can suggest changes with Pull requests
- We will submit the changes back to ICAR and DataLinker



Sessions

To be held every second Thursday at 11am (AEST)

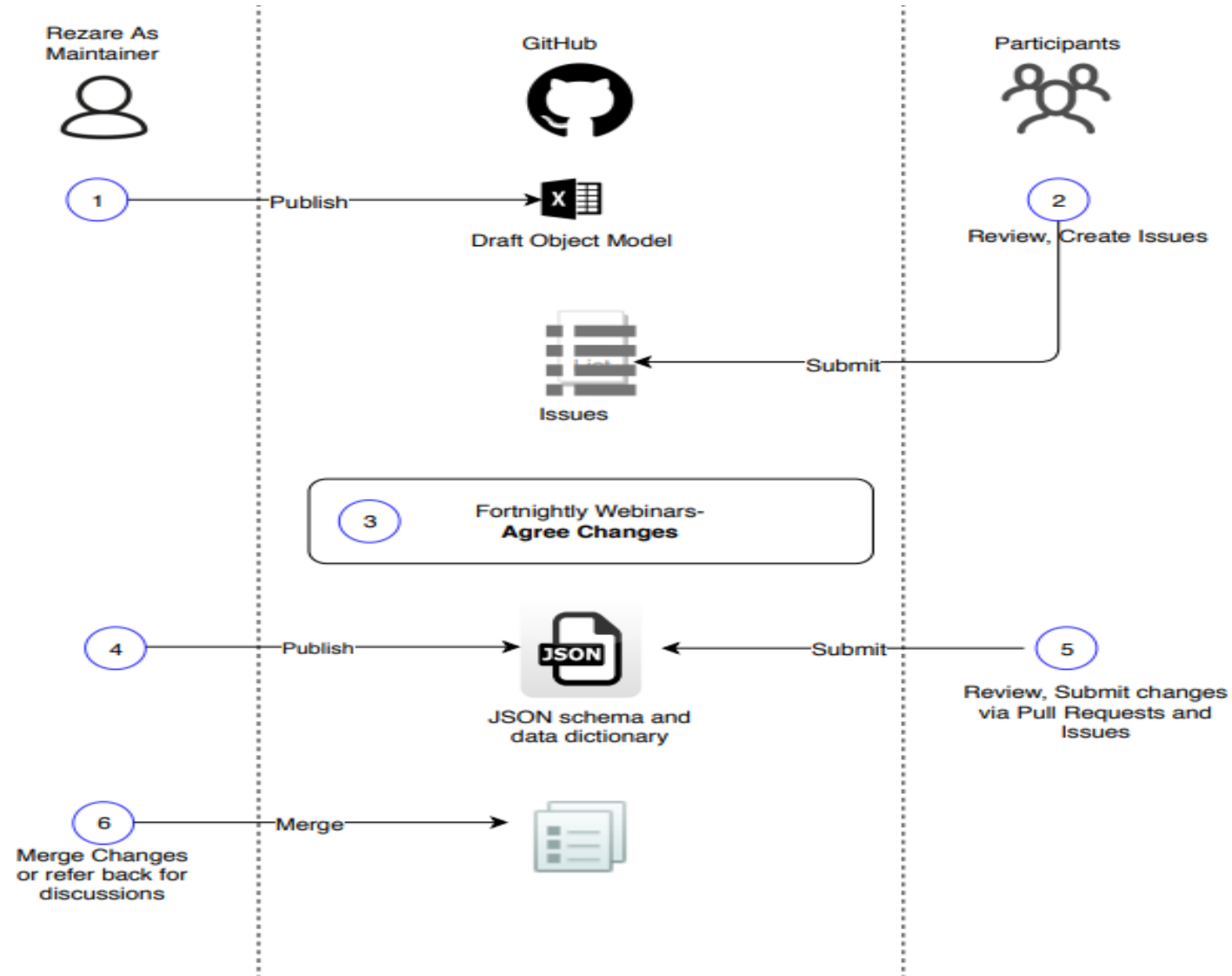
- 19 December 19
 - Identity, Life Data, parentage
- 16 January 20
 - Events; weight, condition score and related events
- 30 January 20
 - Events; health treatments and related events
- 13 February 20
 - Events; Registrations & movements
- 27 February 20
 - Other Events; DNA Sampling, Wool



What tools will we use?

- JSON Schema
- Swagger Open API Specification v 3.x
- GitHub
- Pull Requests
- Validator
- First time users – recommendations re VS Code and ES Lint
- Contributions – as per an open source project

How will we use GitHub?





Questions?

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