ICAR Animal Data Exchange Specification
1. What is in version 1.0?
2. Proposed roadmap for 1.1
3. Your feedback on ideas and priorities

11-6-2020
Managing Director of Rezare Systems

- Software developer of custom agricultural software
- Our customers own the resulting software
- Team of 35 specialists

- Customers include:
  - Large agribusinesses
  - Agritech product companies
  - Livestock recording organisations

- Work principally in NZ, Australia, United Kingdom
Reminder – versioning approach

Version: ADE-1

Detailed version numbering  <major>.<minor>.<patch>

• Major version number – breaking changes only – infrequent
• Minor version number – new additions – regular cadence
• Patch – minor corrections if needed
# Content – in version 1

**Version: ADE-1**

- **Animal**
- **Generic device**
- **Registration**
- **Arrivals**
- **Departures**
- **Deaths**
- **Embryos**
- **Semen straws**
- **Heats**
- **Mating**
- **Insemination**
- **Pregnancy check**
- **Abortion**
- **Parturition**
- **Lactation**
- **Test Day Result**
- **Milking Visit**
- **Drying Off**
- **Weight**
Roadmap for version 1.1

Underway
- Health diagnoses and treatments
- Breeding values
- Conformation and condition scores
- Change of ownership (vs. movements)

Proposed
- Group membership
- Feed intake, grazing
- Communicate animal current status (additions to AnimalCore)
- URL (API) spec for POST, PUT, etc
- Scheme and Identifier type management
- Information APIs – e.g. capabilities, available test days, etc.
- Rights meta-data
Questions, suggestions, and priorities
Identification with *icarIdentifierType*

Generalised way of identifying:

- Animals
- Locations
- Trait labels
- Many other things

Two parts:

- scheme e.g. “nl.ubn” or “eu.animalId” or “org.gs1.gln”
- id A unique identifier within that scheme

Thank you

Via Savoia 78, esc.A, int.3, piano 1
I–00198 Rome, Italy
tel. +39 - (0)685 127 231 / (0)685 237 237
fax : +39 - (0)623 315 553
e-mail: elena@icar.org
www.icar.org