HerdManager: Best Practices
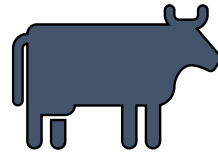
THE UNIVERSITY OF ARIZONA
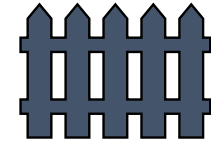
VENCE

Breakdown

Why we organize.

Make the most out of your investment

Herd organization

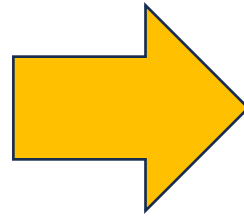Virtual and Storage Herds

Practices for Organization

Fence Organization

Folder Systems

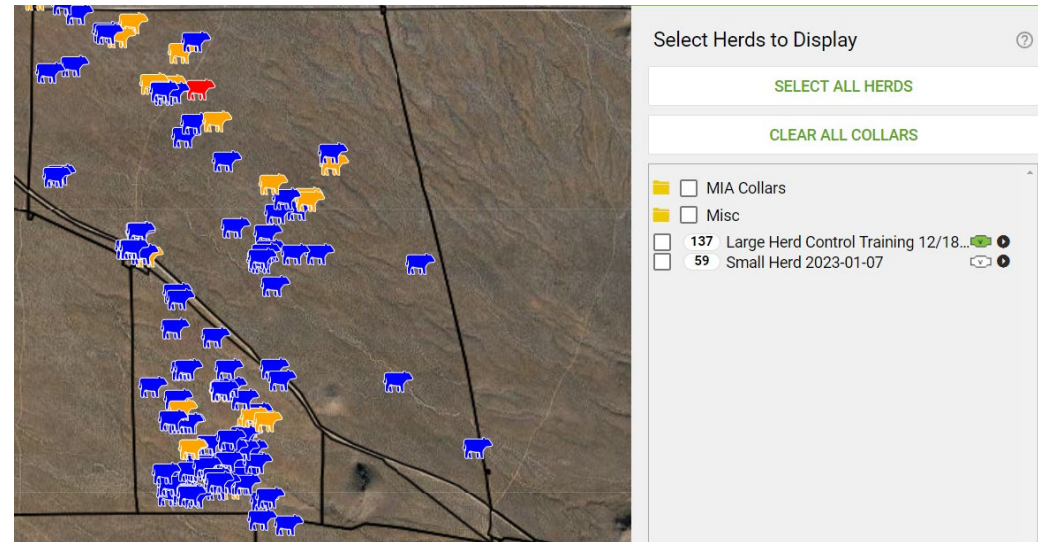Explanations and tips for uploading fencing

Why we organize.

- Depending on costs, **return on investment** is contingent on immediate implementation.
- Desire to see the benefits of VF on grazing management

1. **Focus**ing on animals we can actively manage
2. Immediately **identify and locate** missing collars
3. **Remove obstacles** limiting VF use in a ranching operation

Preface for organizing your herd

- Herdmanager organizes virtual herds by collar not the animal

- Organizing collars with specific animals requires separate documentation

- Eartags, EIDs, Breed, etc.
  - Organization is based on collars but may change with improvements with herdmanager

cattle id	Ear tag	Breed	EID	device eui	status
bdfd7c53-07c3-4d30-ba0a-13d6ee91450c	101			00007cf2dd 1fd4d0	ACTIVE
7dc75696-4f78-43a3-affe-ab952b91557b	1033			00007cf2dd 1feacd	ACTIVE
2635cd5b-ed2d-4ac3-90b8-c6cbb9ed7455	1041			00007cf2dd 1fe906	ACTIVE

Managing collar changes to a herd.

Updating Eartags and EIDs after the initial upload requires manual changes per collar.

This is difficult to manage with out external documentation animals related info.

How do we know what's going on with collars?

- Updates on collar state and changes to that state are transmitted from collars

- No Movement alerts are not always reliable
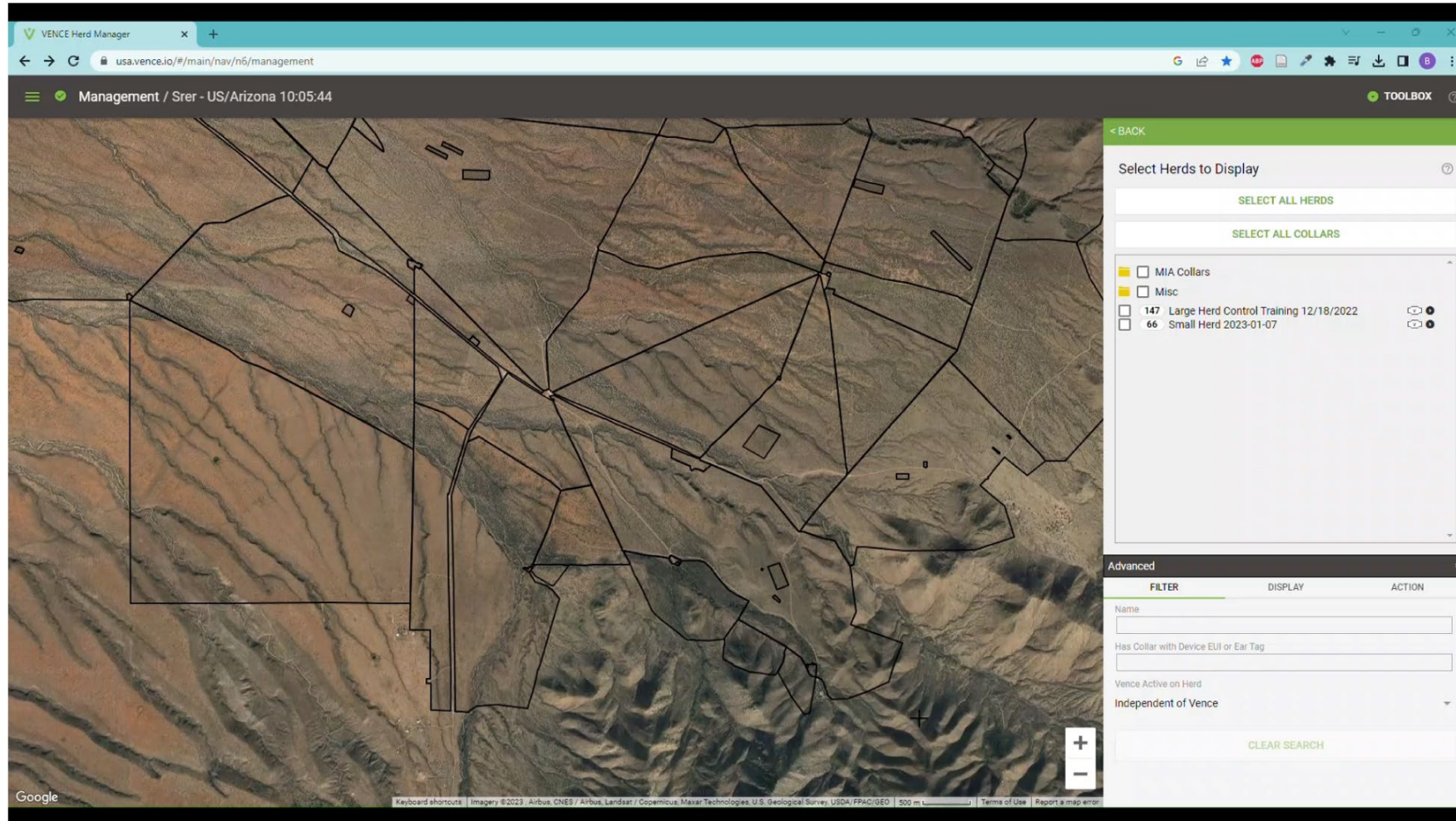
Organizing herds

- Unavoidable circumstances
  - Batteries on collars will run out
  - Collars will fall off animals
  - Collars can malfunction
- You need to plan and account for these changes by storing collars into unique virtual storage herds

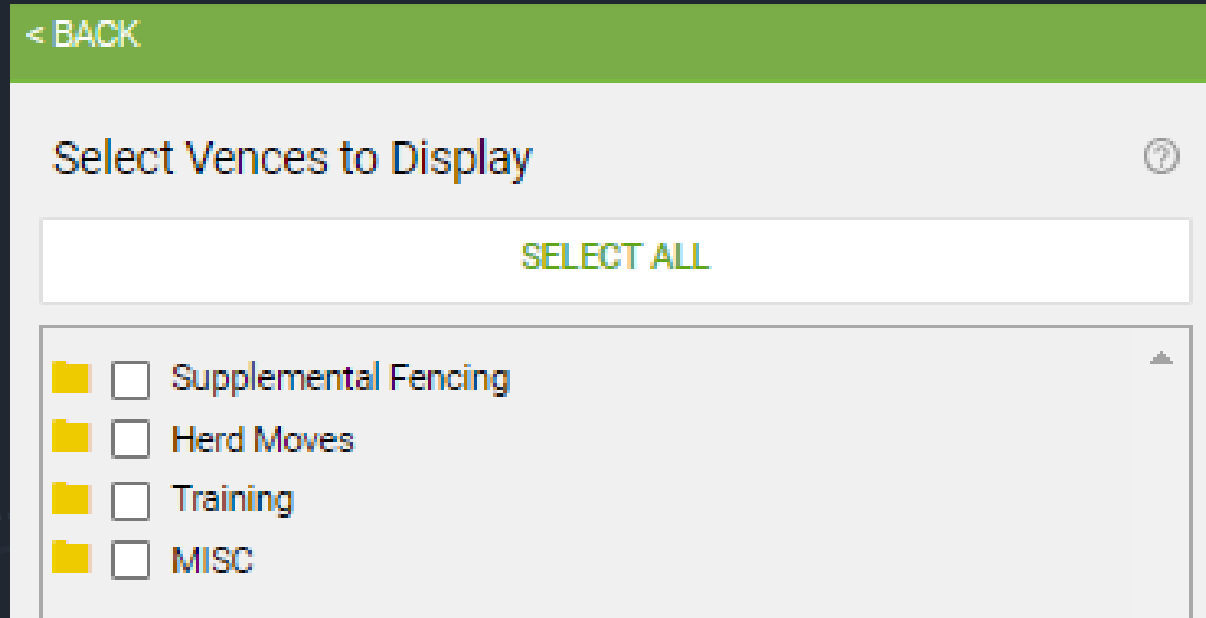# Tips for organization: Dead Batteries and No Movements

Tips For Organization: Broken Collars

- Collars can malfunction due to water damage, wear, or old age.

- Keeping track of these allows you to request replacements and keep unassigned collars separate.
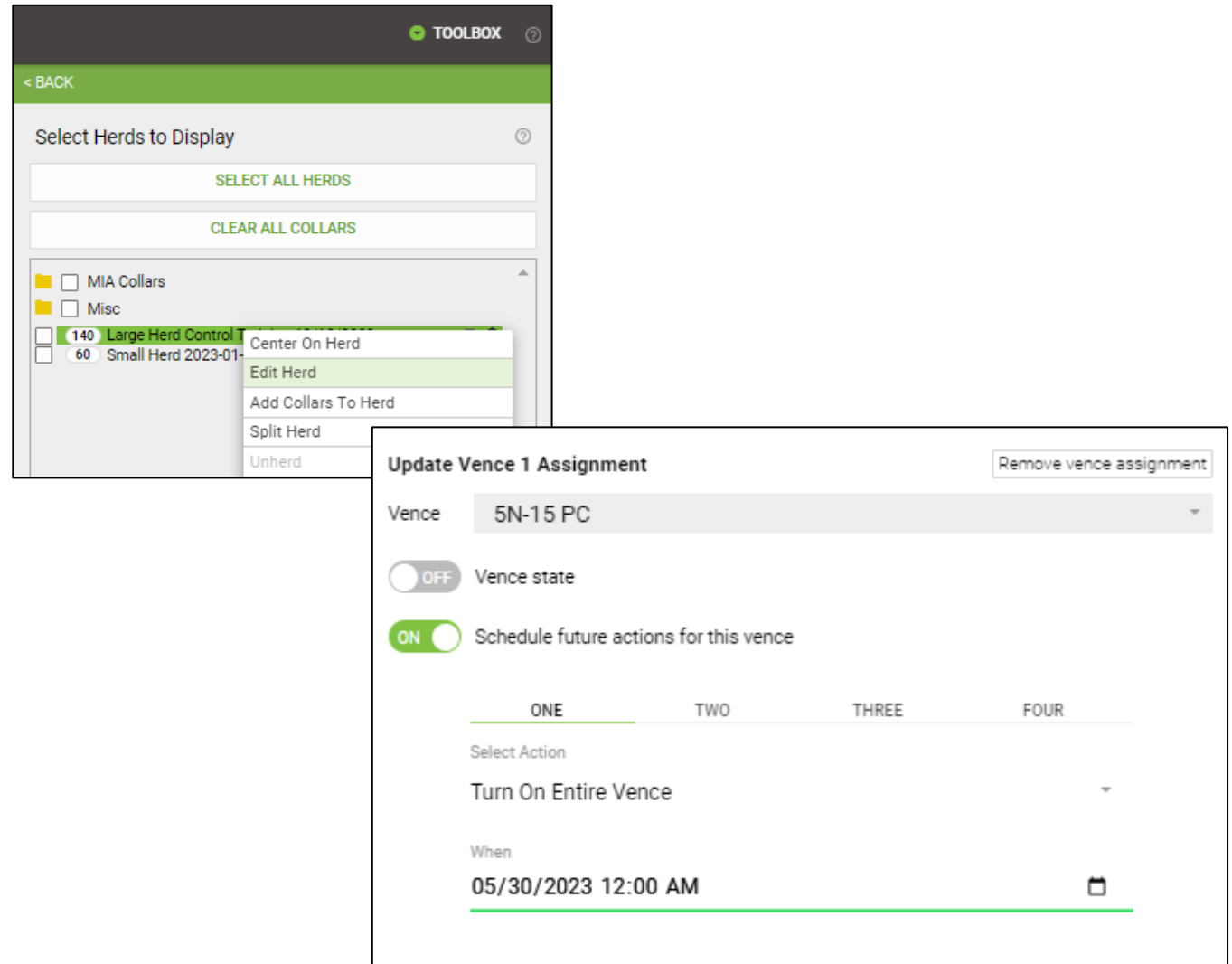
Fence Organization: Why?

- Organizing fencing allow for quick virtual fence assignment.

- Fences can be organized by pasture and by how they're used.

How: In Practice

- Every update to a virtual herd requires time.

- Larger the herd longer he period of time.

- Goal: Shorten the number of updates to streamline use

The University of Arizona
Virtual Fence Program

Supported by

THE UNIVERSITY OF ARIZONA
Cooperative Extension
Livestock Extension

COLLEGE OF AGRICULTURE & LIFE SCIENCES
Natural Resources & the Environment

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