







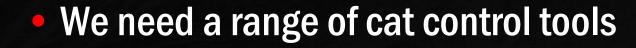
Our past — Our present — Our future?





Cat control





- To deal with different 'personalities'
- **Lethal and non-lethal**
- Including humane tools that do not rely on toxins









Smart traps that

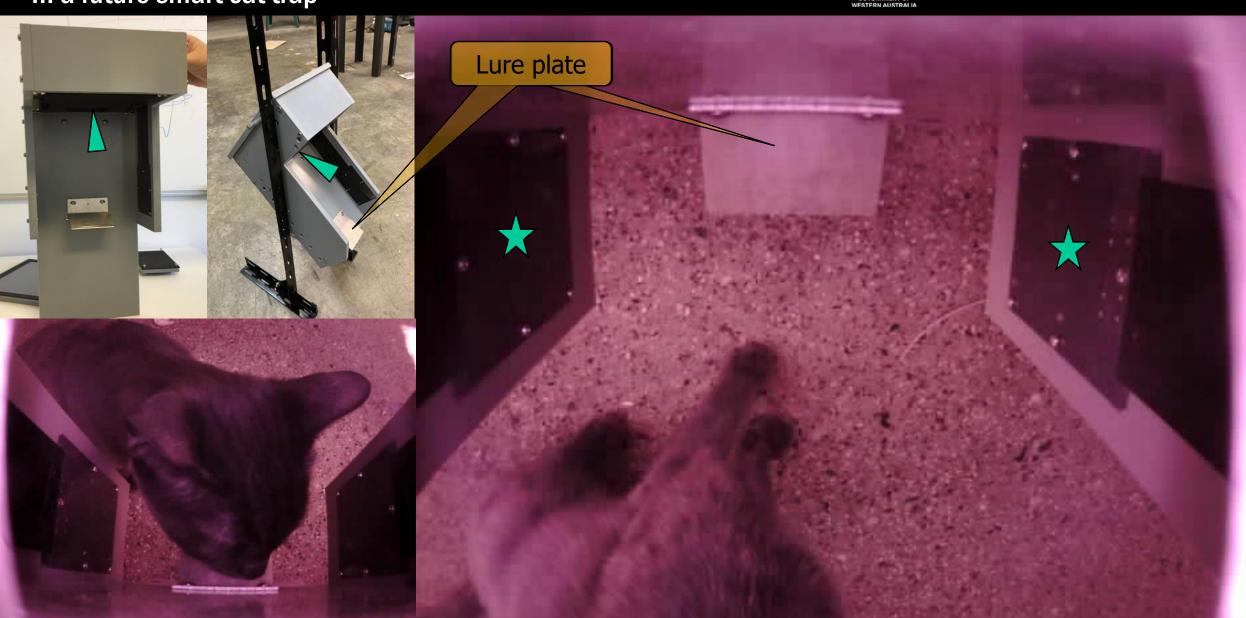
- On-board automatic species identification fast enough to trigger a trap mechanism
- Can be programmed to release the animal within a fixed timeframe if access is problematic
- Are self-resetting
- Can communicate when activated
- Are affordable and can therefore be deployed at scale

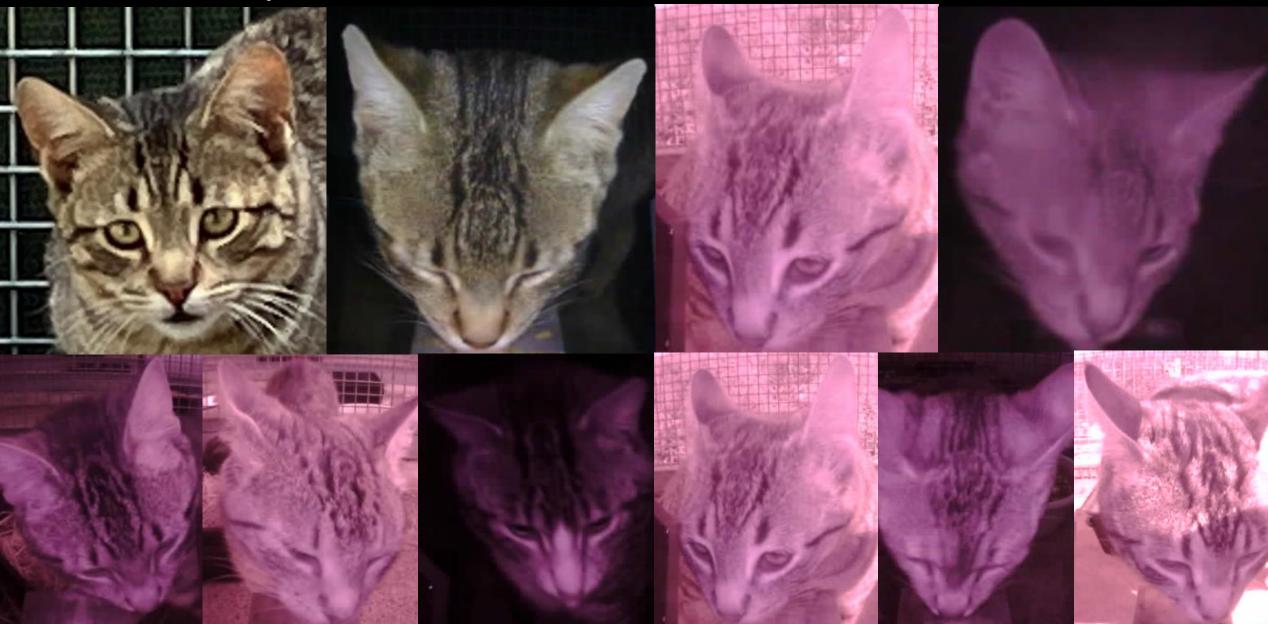
- NZ has a range of commercially available traps that are capable of trapping cats too
- Using <u>smart</u> technology, rat, stoat and possum trap trials in New Zealand [1] have achieved NZ NAWAC Class A kills [2]
- Translating this to cats
 - 1. Be able to identify a cat
 - 2. Differentiate from Australian non-targets
 - 3. Attractive edible lure



... a future smart cat trap







2. Differentiate from non-targets







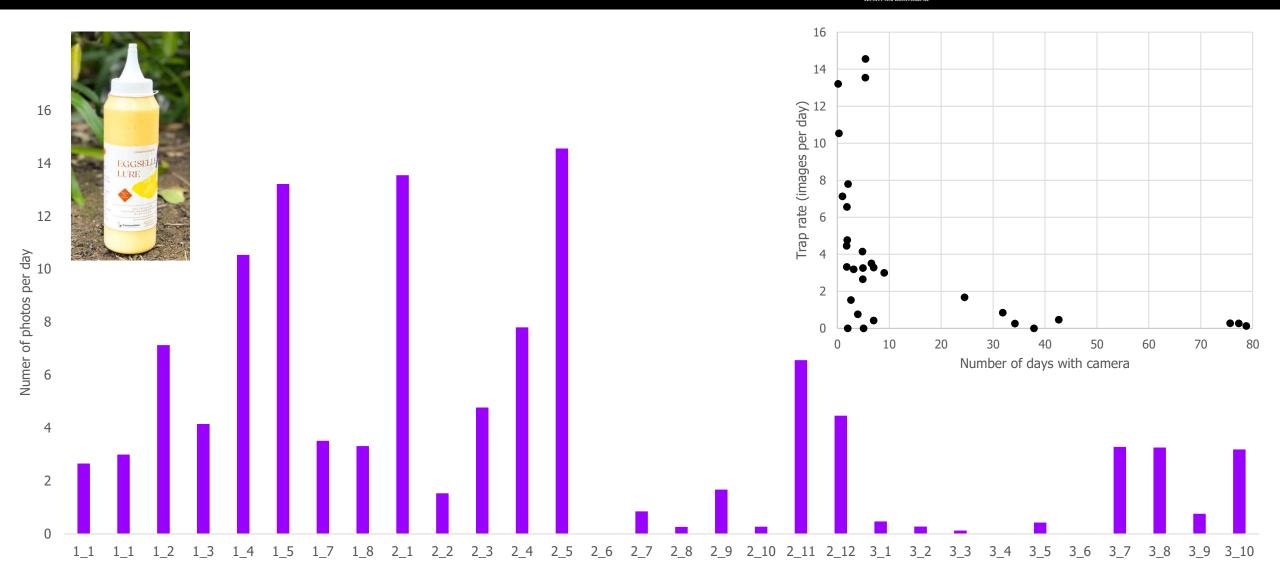




- Many lures lose their appeal after a short period of time
 - Animals become habituated to the presence of 'novel' objects such as tinsel and feathers (visual lures)
 - Olfactory cues suggesting presence of another animal can fade over time
- Long-life, edible lures provide positive reinforcement

3. Attractive edible lure – PEN TRIALS





Individual cat

3. Attractive edible lure – FIELD TRIALS

- Walyunga National Park, WA
- Connovation Eggsellent edible lure in Ezylure automatic dispensers (0.75ml twice a day)
- 30 pairs of camera traps (one ~3m from the lure and one unlured)
- 50 days
- Only a single lure dispenser showed an accumulation of lure



Australian ravens





WA had a plague of house mouse in 2022





3. Attractive edible lure – FIELD TRIALS

- Southern Rangelands, WA
- Connovation Eggsellent edible lure in *Ezylure* automatic dispensers (0.75ml twice a day)
- 30 pairs of camera traps (one ~5m from the lure and one unlured)
- 5 months























Smart trap development



