USE OF AN IRIS COMPATIBLE MOBILE DEVICE FOR FARM DAIRY INSPECTIONS

Waikato
REGIONAL COUNCIL
Te Kaunihera ā Rohe o Waikato

Compliance Conference 2016

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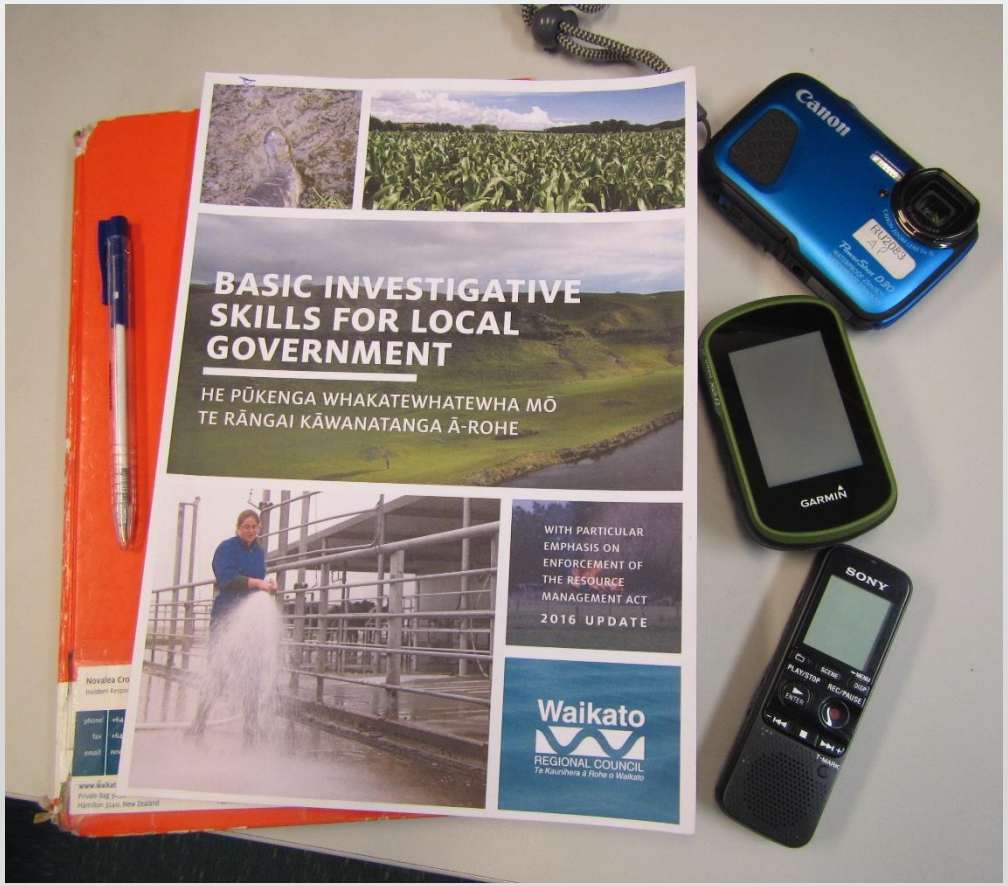
INTRODUCTION

- Farm dairy effluent monitoring
- What we were doing
- Aim of the project
- How the project was developed
- What this now means for field staff
- What were the challenges and successes

WHAT WE WERE DOING…



- Paper checklists for information collection on property
- Double handling
- Phone, Camera, GPS
- Reporting on compliance by creating letters
- Copy-paste from a knowledge base document

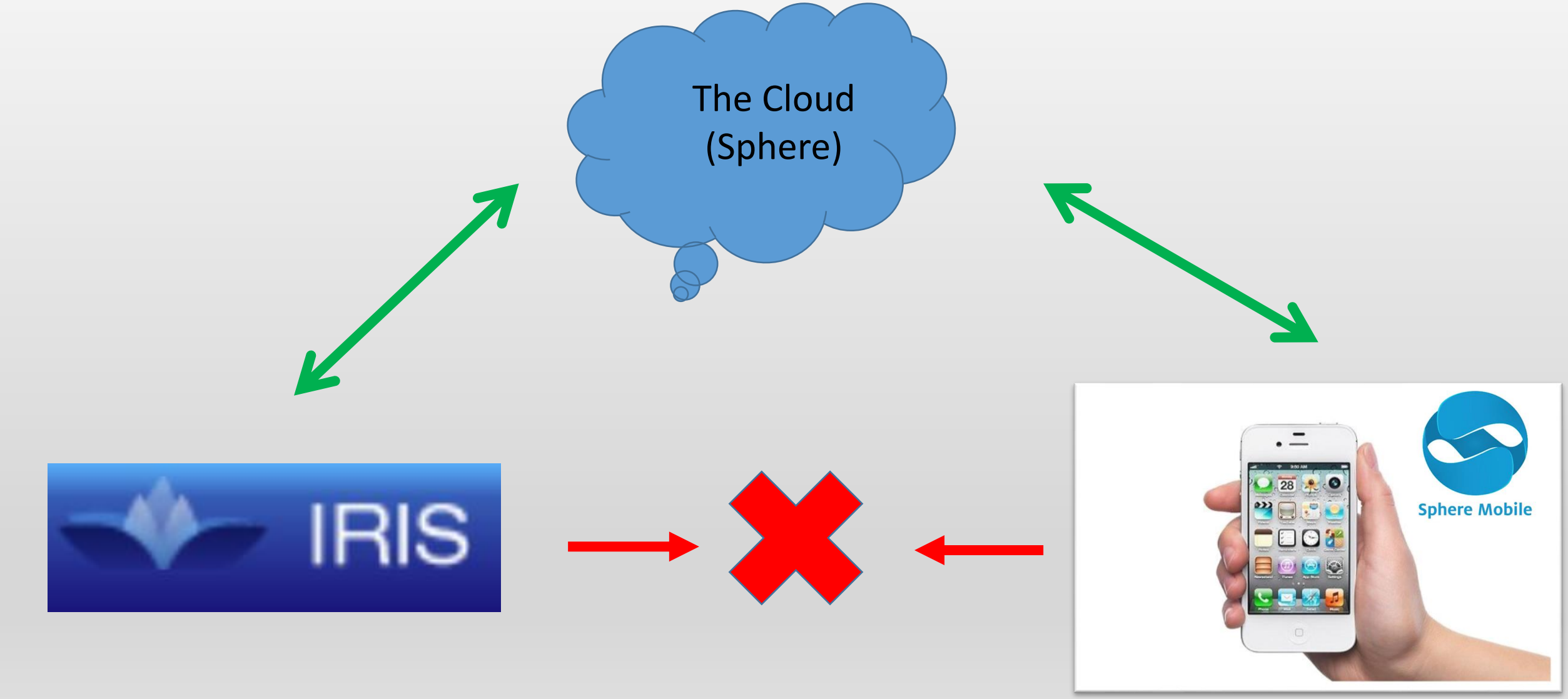
AIM OF THE PROJECT…

- Customer centric initiative
- Improve consistency and timeliness in compliance letters
- Improve the recording of information in IRIS
- Reduce the double handling of information
- Broadly capture the 75% of compliance situations

HOW WAS THE PROJECT DEVELOPED

- Datacom - developers of IRIS and Sphere
- Synchronise to IRIS
- Appropriate device
- Electronic survey form to link to IRIS observation
- A set of rules to generate compliance letters
- Survey responses and observations generate the letter content

Sphere Mobile

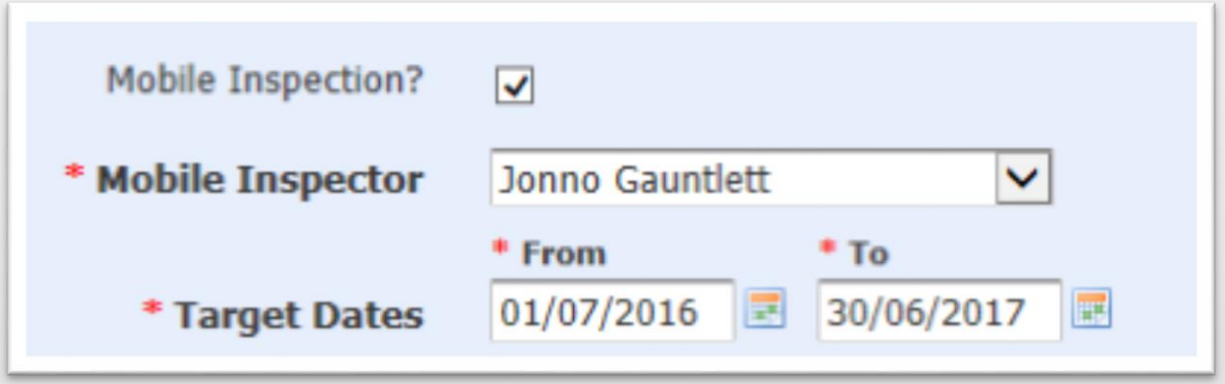

The Cloud
(Sphere)
IRIS
Sphere Mobile

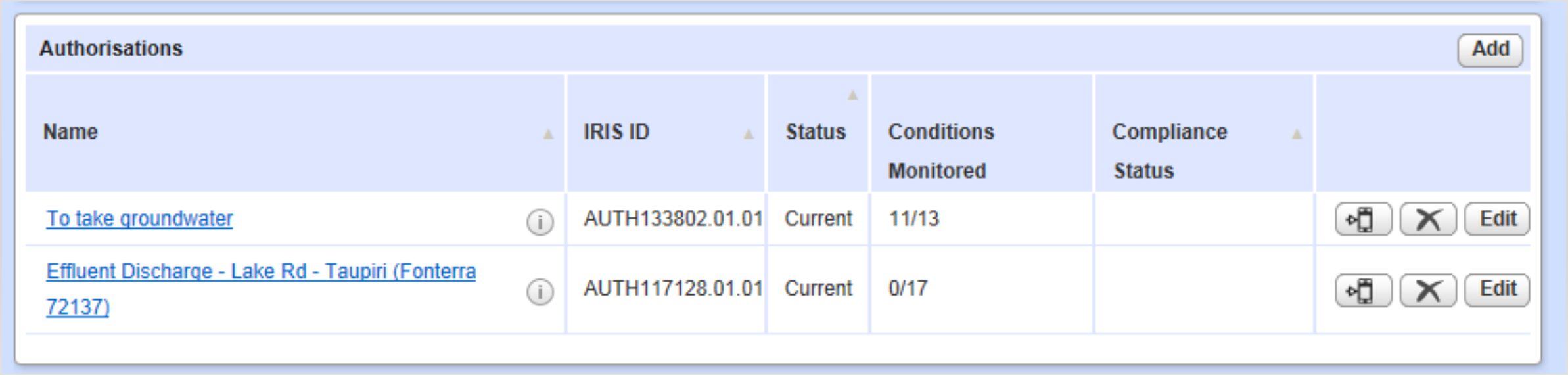
WHAT THIS NOW MEANS…

- Focus on mobile devices
- iPhones, use of camera
- Reduces the amount of paperwork
- Connect better with customers
- Consistent message
- Effective and efficient

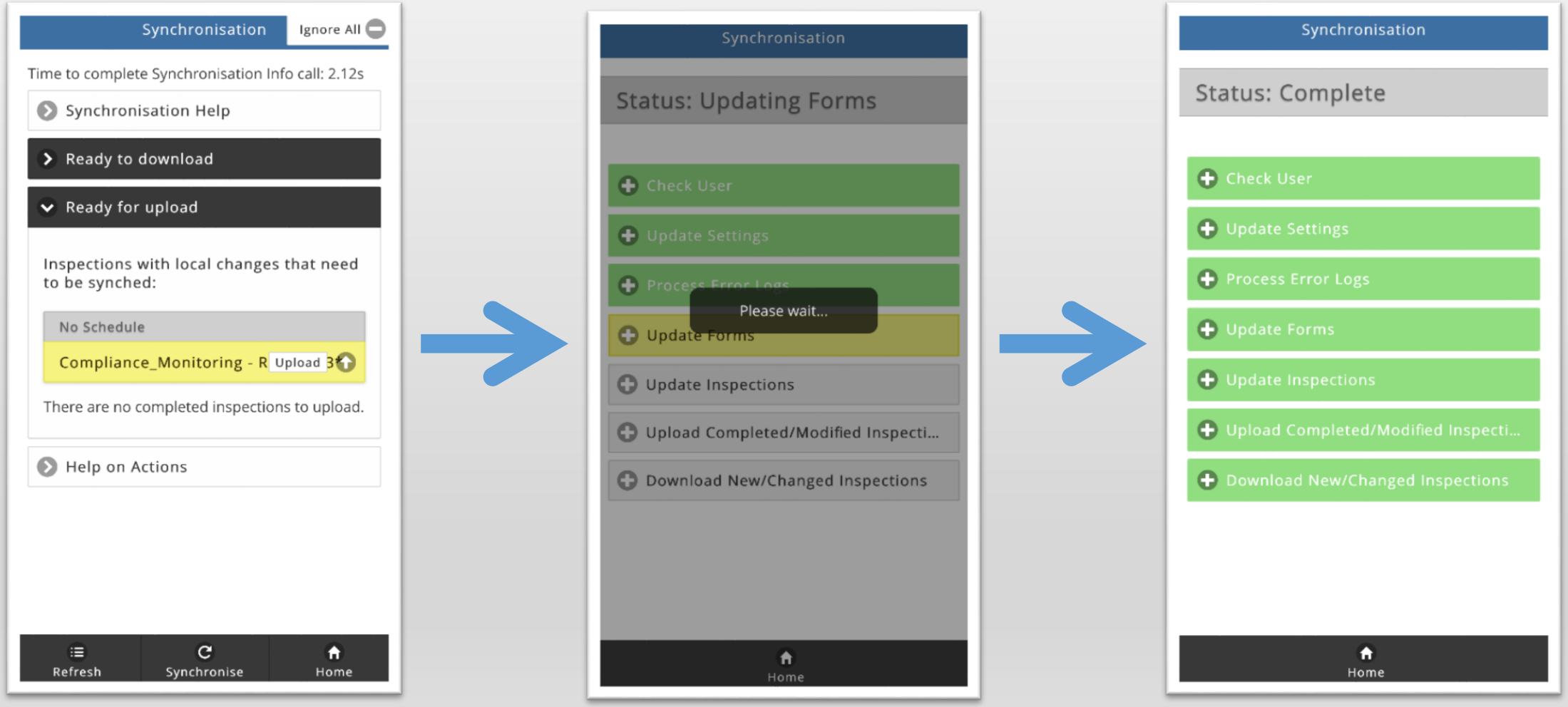
IRIS interface – mobile inspector

- Within the regime activity
- Schedule monitoring activity
- Setup mobile inspection
- Add mobile inspector

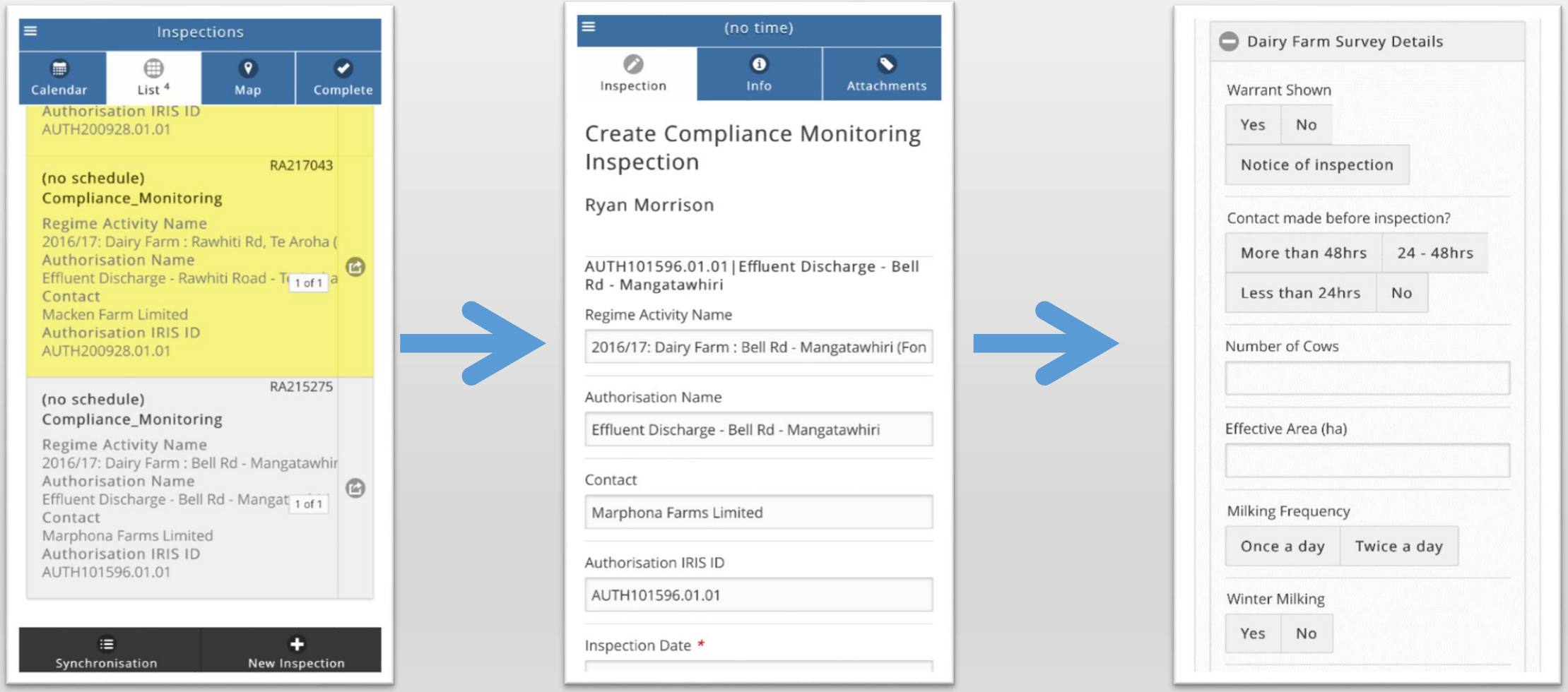




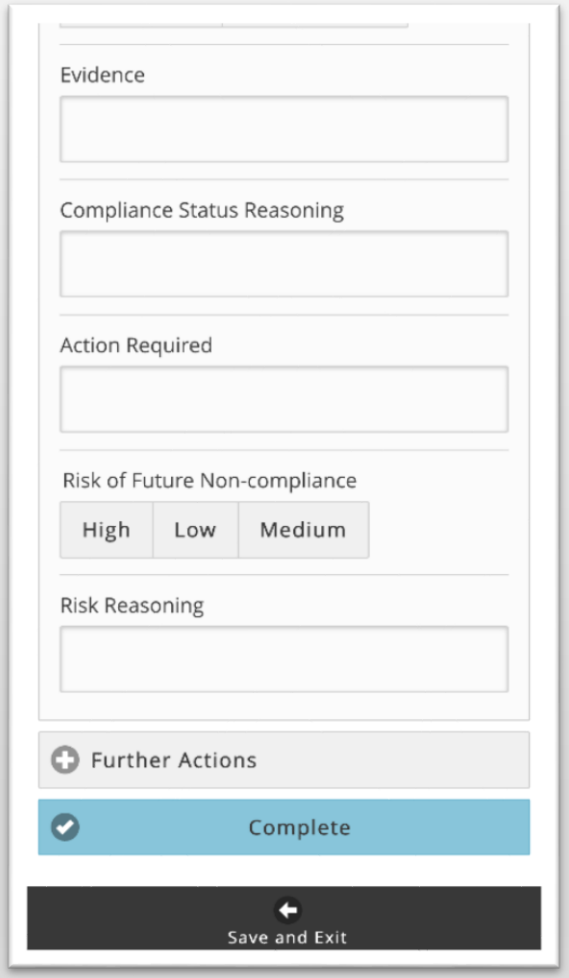
Synchronise to Sphere



Select and complete information



Complete and synchronise to IRIS



Dairy Farm Survey Details

Warrant Shown	Yes
Contact made before inspection?	24 - 48hrs
Number of Cows	200
Effective Area (ha)	118
Milking Frequency	Twice a day
Winter Milking	Yes
Winter Off Site	No
Supplementary Feed	Sourced from farm only
Nutrient Management Plan	Unknown
Effluent Irrigation Area (ha)	20
Primary Effluent Irrigation Type	Traveller
Secondary Effluent Irrigation Type	
Effluent Irrigation Depth (mm)	
Storm Water Diversion	Yes
Storage Type	Sump only

CHALLENGES

- Time spent by IT building the interaction
- Develop a rule set for the template
- Limitations of the software
- Working with IRIS as it is
- Keeping this relevant
- Addressing the 25%

SUCCESS

- IT resources contributed to the success
- Reduces the burden of the paperwork
- Timeliness
- Control on the messaging and consistent approach to communications
- Successfully tackles the 75%

Video

WHERE TO FROM HERE…

- GPS capture
- Sync photos
- Making this relevant for other monitoring tasks
- Continually improving the process

HE TAIAO MAURIORA	HEALTHY ENVIRONMENT
HE ŌHANGA PAKARI	STRONG ECONOMY
HE HAPORI HIHIRI	VIBRANT COMMUNITIES