

INSIGHTS INTO COLLECTOR

It's *EASIER* than you think!



ESRI UC 2016

Oakland County's Perspective

Today's presentation

How OCIT has implemented **COLLECTOR for ArcGIS** to meet *our* business needs and serve *our* customers.

“Our mission is to provide a progressive, location-based solution that promotes informed decision making, improves citizen services, and encourages collaboration across all levels of government.”

Cheaper, Faster, Better,
EASIER!



Our Problem *(instability)*

- Aging GPS technology
- Custom ArcGIS Mobile app at end-of-lifecycle
- Increased mobile data collection demand






Our Problem *(inefficiency)*

- Slow field to office turnaround
- Greater demand on IT support

End users *(who)*

- Environmental Health – well and septic inspection
- Parks and Rec – trails, invasive species, and burn areas
- Water Resources – water and sewer infrastructure


Our Needs

- Secure 
- Stable 
- Sub-meter or better spatial accuracy 
- Real-time correction 
- Spatial and non-spatial related table editing 

Consider the following for *your* implementation!

Why *we* are using COLLECTOR

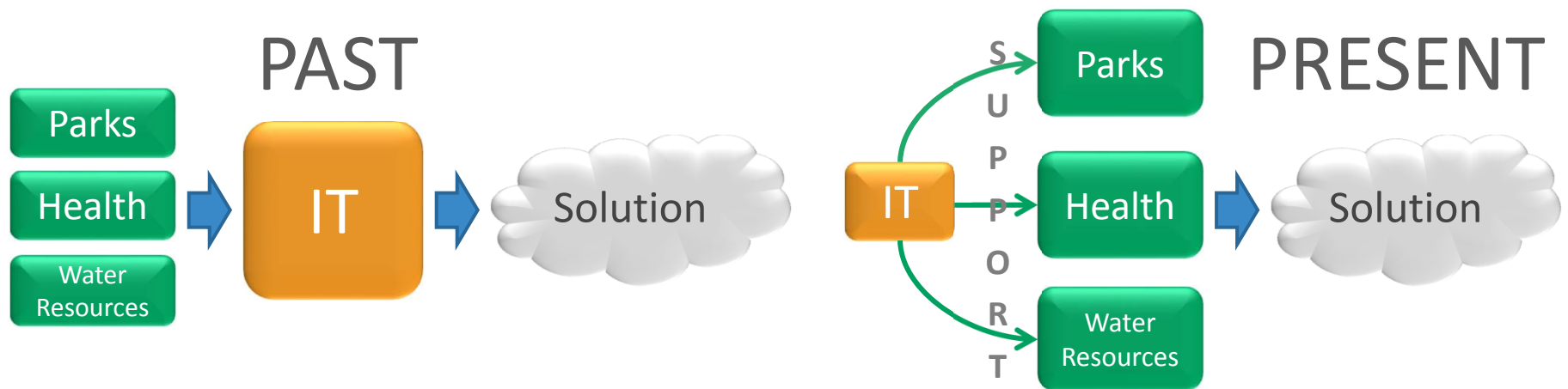
Increased Stability and Efficiency

- Proven app 
- Fast office to field deployment
- Easily configurable

Why *we* are using COLLECTOR

Empowerment

- Allowing end-user driven content



Why *we* are using COLLECTOR

Affordability

- Trimble 7 Series units ~ \$5700 not including development cost to update ArcGIS mobile app
- Trimble R1 \$2500 & iPhone 6s Plus \$300

Our implementation of COLLECTOR

- AGO built maps
- Collector for ArcGIS app
- Trimble R1 GNSS Receiver (sub-meter)
 - Utilizing local MDOT CORS base stations
- iOS device (iPhone or iPad)

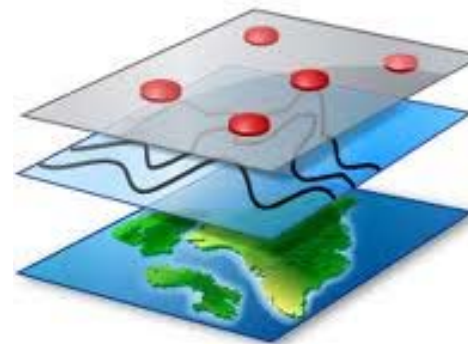
How *we* are using AGO

1. Purchased hardware
2. Leveraging existing infrastructure
 - ▣ Enterprise Data & ArcGIS Server (map services)
 - ▣ ESRI cloud space to host data and apps

Goal oriented approach

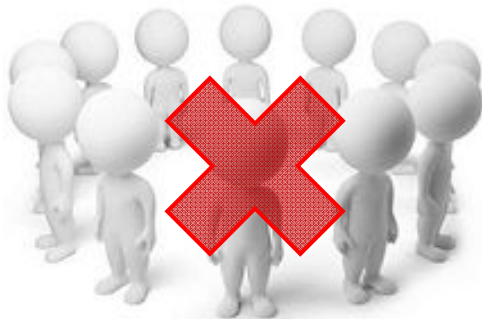
Minimize hardware
maintenance

Further leverage GIS data



Training (this is *CRITICAL*)

Explain the transition from existing Geo XT's



Train in small groups

System Architecture

- AGO hosted content
 - Base maps and data
- ArcGIS Server
- GIS Database

The future...

- AGO roadshow
- Expanded departmental use
- Retire all old Geo XT's



Thank you

Scott Kaiser, GISP

kaisers@oakgov.com

248-858-5228