

# Confederated Tribes of Warm Springs



**2019 UPDATES**

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# 2018 Goals



- **Implement CDMS**
  - Set up hardware/software and launch CDMS
- **Continue progress with WS CDMS Working Group – Fisheries RM&E, John Day Habitat, and Water & Soils**
  - Add other working groups (Hood River Program, Forestry, Wildlife, Range)
- **Continue appending new data to databases for eventual upload into CDMS**
  - Redd counts, outmigrant traps, lamprey mark-recapture, etc.
- **Expand use of electronic data capture**

# Accomplishments



- **Implement CDMS**
  - Jan – May 2018, we received hardware, loaded programs, configured network/servers with help of Javin, IT manager, Rick at CTWS and CRITFC
  - August 2018, Ken and Colette came to help us launch CDMS
  - Since then, we've been formatting and uploading water temperature data from 1996 to 2017, 72 sites
- **Coordination with WS CDMS Working Group**
  - Met regularly until July but staff turnover and pressing contract work put regular meetings on hold
  - Continued working to gather all known water temperature data for CDMS upload
- **Appending data into non-CDMS databases (for later uploading)**
  - Uploaded all 2017 and 2018 data into databases
- **Electronic data capture**
  - Anoto Live digital pen system – outmigrant trap (Denise Kelsey, CRITFC)
  - iPad/ESRI Collector – redd counts, radio telemetry (Marissa Stradley, CTWS)

# Challenges



- **Staff turnover**
  - New Data Steward – Lyman Jim
  - CDMS Working Group members, biologists in all programs
- **Re-organization of CTWS Fisheries Dept.**
  - Unsettled – don't know who will be doing what
- **Lack of permanent staff dedicated to data management**
  - Contract driven – some people need to get off the hamster wheel to manage data!
    - ✦ Some of us are spread too thin between contract work and data management – working on hiring/training staff
  - Need dedicated staff to more effectively develop capacity
  - Need to hire specialized staff and define roles/responsibilities

# On the brighter side...



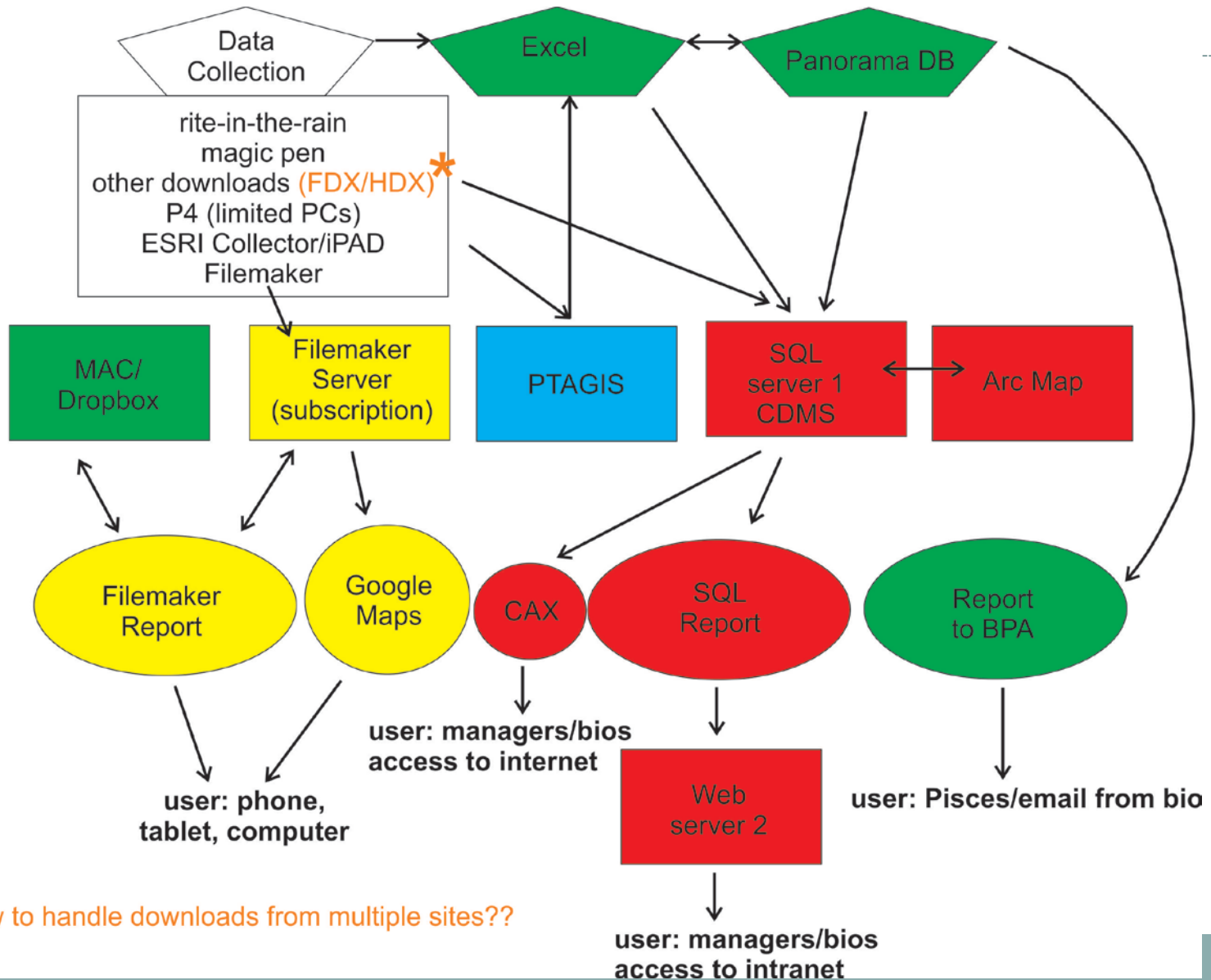
- **New Fisheries Program Manager, Chris Brun, is supportive of our efforts to:**
  - Improve data management and agrees with having permanent, dedicated staff
  - Bring other programs within CTWS Fisheries into data management effort (Parkdale, WS Habitat)
  - Share more summarized data on CAX
- **Re-organization will result in better use of staff time/expertise and place on “org chart” for data management**
- **New staff in Fisheries Research, Habitat, and Water & Soils brings new energy**
- **Lyman will be an effective data steward who will guide development of our data management system and provide leadership for our CDMS Working Group**

# Things to Work On



- **Develop a data management strategy**
  - Need to identify roles as per needs assessment
- **Continue to improve the capacity and efficiency of data management systems**
  - More electronic data capture across all projects
  - Train staff
  - Continue appending new data to existing data bases that will eventually be uploaded into CDMS
- **Re-start WS CDMS Working Group**
  - 2/3 new members
  - Development of CDMS ties in with objective of developing a “Warm Springs Reservation Habitat Restoration Effectiveness Monitoring Plan”
  - Continue uploading data to CDMS and learn how to use report templates
  - Involve more staff – biologists, technicians, and acquire dedicated staff
  - Create work plan with clear tasks and mark accomplishments (as per assessment)
- **Inventory and store data recorded on paper**
  - Set up metal fire- and rodent-proof shipping container for data storage
  - Inventory data and have techs enter as much as possible electronically

# Consolidation of data – many apps/platforms



\* How to handle downloads from multiple sites??