

Utah Transportation and Public Safety (UTAPS) Crash Data Initiative (CDI)

Unify Crash Records and Improve Integration and Sharing



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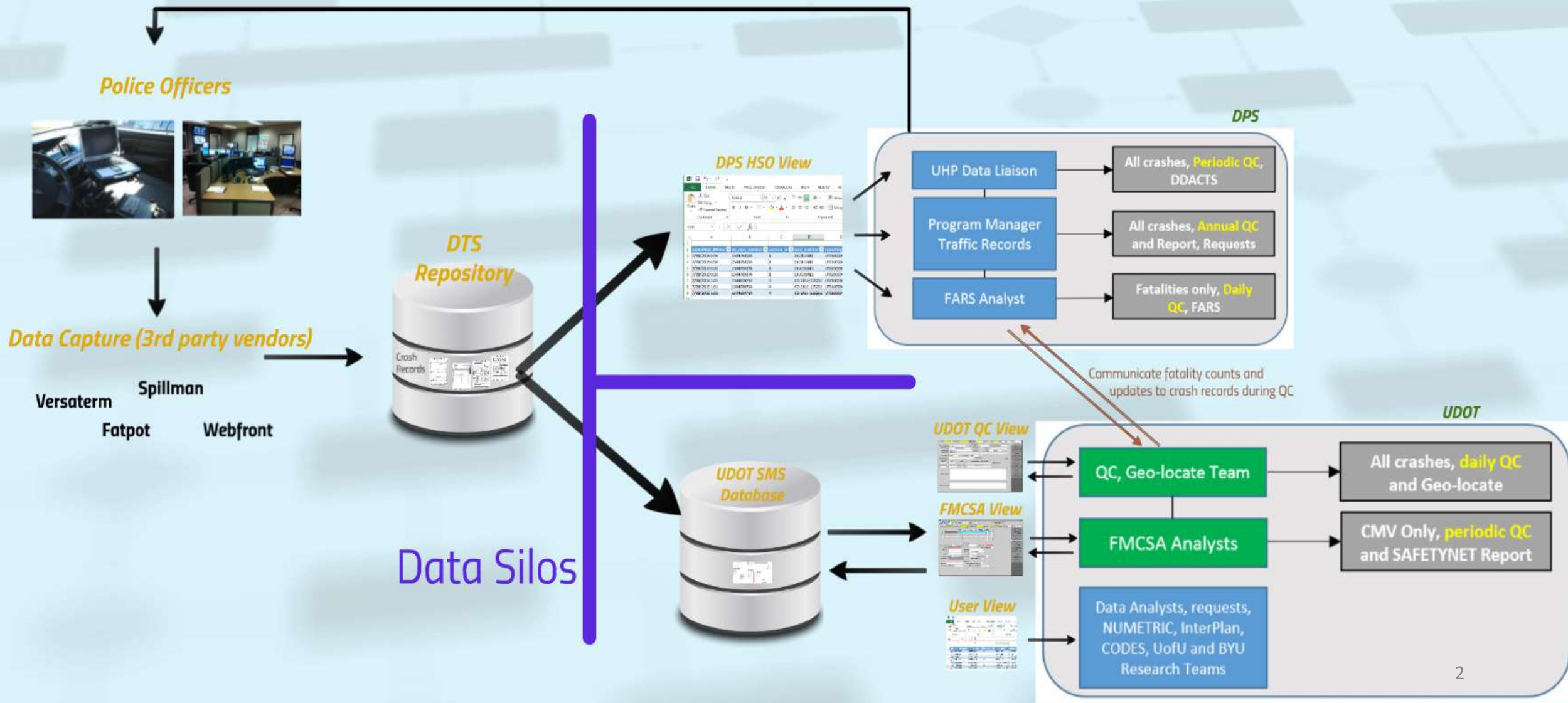
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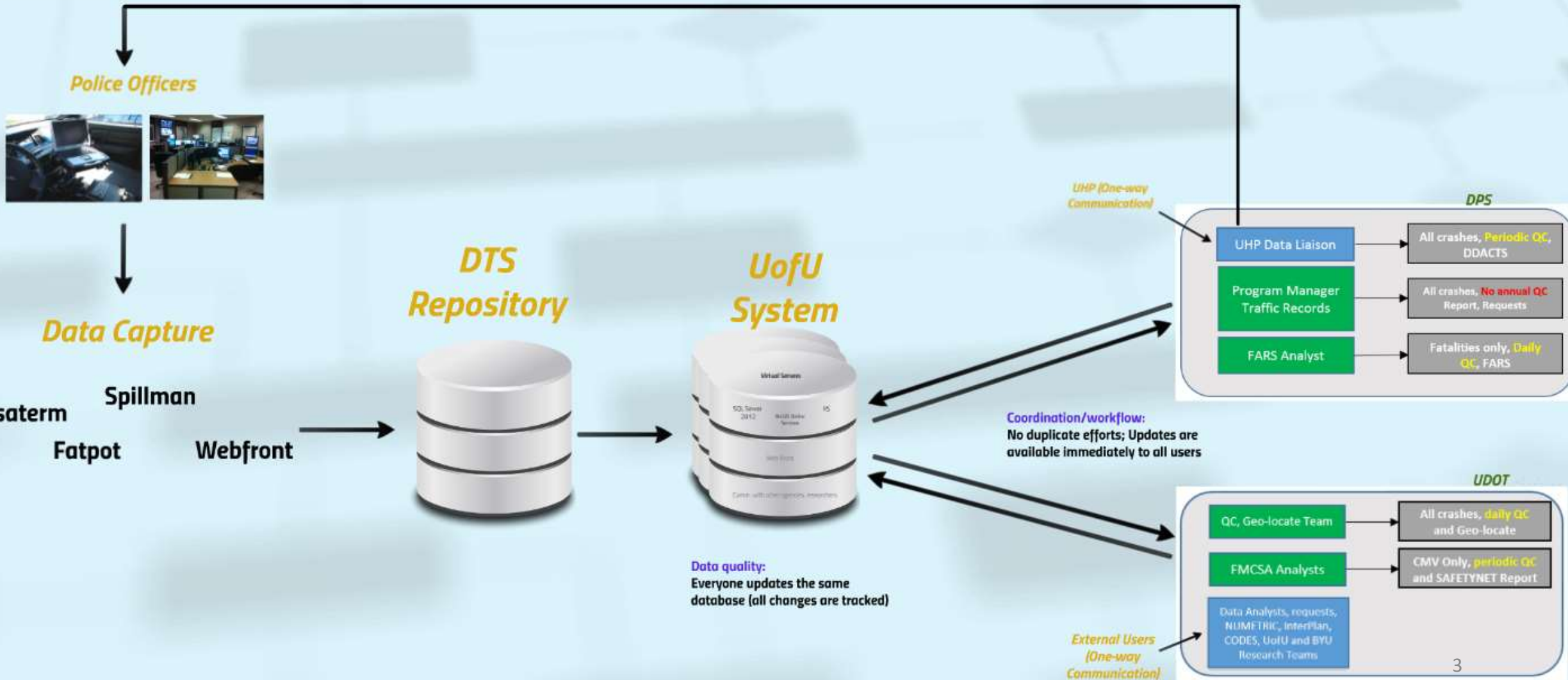
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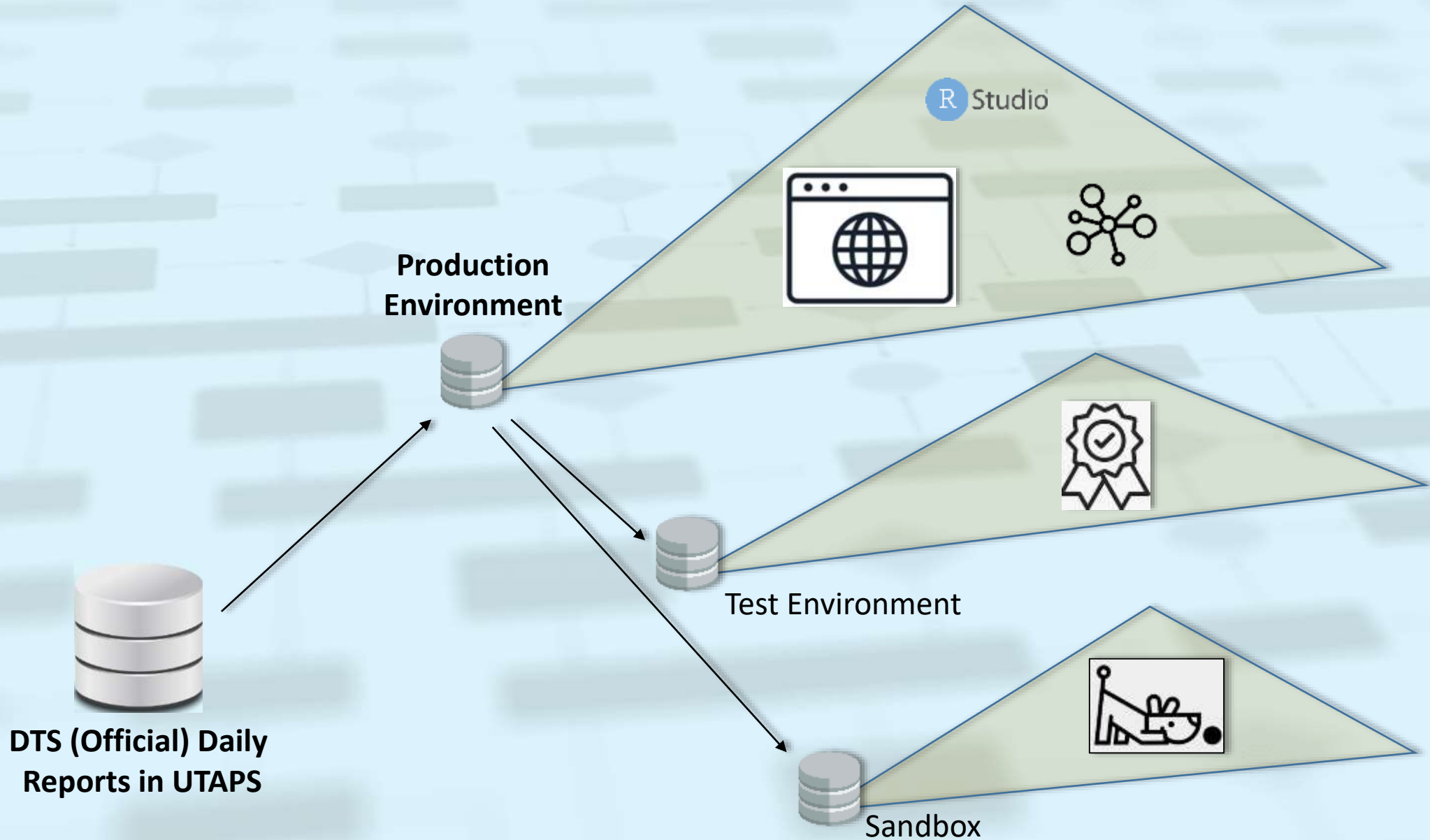
Pre-UTAPS Workflow



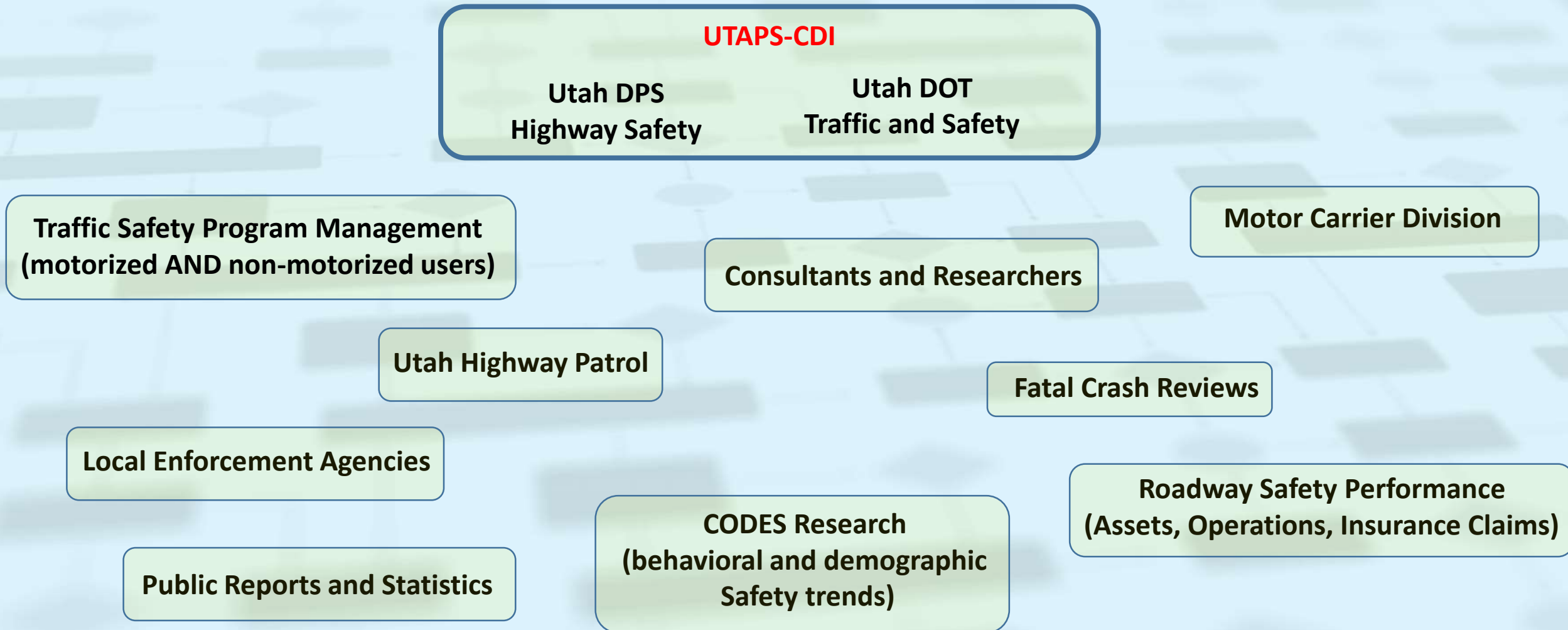
Current UTAPS Workflow



UTAPS Daily Operations



Same Sets of Outputs... Serving Many, in Many Groups



Challenges

Cultural Differences Between Agencies

- *What we think we need (within each agency)*
 - *We all are (actually) trying to achieve same goal!*
-

How Does Data Affect Each Agency?

- *Definitions of data elements*
 - *Implications within each agency (crash data affects many groups)*
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Perfection is not the First Step:

- *Recognize initial status. Why something new?*
- *What is right for tomorrow? (not just today!)*



Opportunities

Together we Truly are Stronger

- *Influence/support each other in the future*
 - *Resource consolidation / support each other*
 - *UTRCC, other agencies (e.g. task force)*
-

Consistency:

- *Uniformity within and across agencies*
 - *Opportunities to develop mutually-agreed concepts and applications*
-

Think Differently (and broader):

- *Identify elements to help all partners*
- *New capabilities, flexibility for common goals*

Lessons Learned

Initial Impressions:

If we have a system together... then we don't have to argue about it.

We need to guard our definitions and protect our versions of the data.

The new system has to have all these features...

Later Realizations:

We actually work together more. Our teams are more familiar with each other.

Single data source for all stats and reporting make everyone's job easier. Coordination is simpler.

Identification of actual priorities and system features takes time and needs consistent and long efforts.



Moving Forward...

UTAPS-CDI has Opened New Opportunities for Communication and Research:

Communication using new resources:

- ***Internal and external dashboards***
- ***Database connections to other systems***
- ***Linkages from other systems into UTAPS-CDI***
- ***Web tools to create reports and exports***

Impacts to a large set of groups:

- ***Utah Highway Patrol – DDACTS***
- ***Motor Carrier Division – Federal Reporting***
- ***Highway Safety programs***
- ***Roadway Safety Programs***



Moving Forward...

UTAPS-CDI has Opened New Opportunities for Communication and Research:

Coordination of New Research:

- *Speed management*
- *Impairment*
- *Distracted driving issues and demographics*
- *Enforcement resource allocation*
- *Close tracking of fatal and severe crashes*
- *Improvement in reporting*

Many of these opportunities may not have happened if our teams did not understand each other...



Moving Forward...

Continued coordination among agencies related to crash records and traffic/user safety.

Services continue evolving and the system is still growing... new system is ready for new technologies/applications (virtualization/web-based applications).

Long road to reach to this point... expecting a longer road exploring and exploiting benefits. Work continues with a ZERO FATALITY goal in mind.



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Questions?

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