

Justice standards in Florida data sharing initiatives

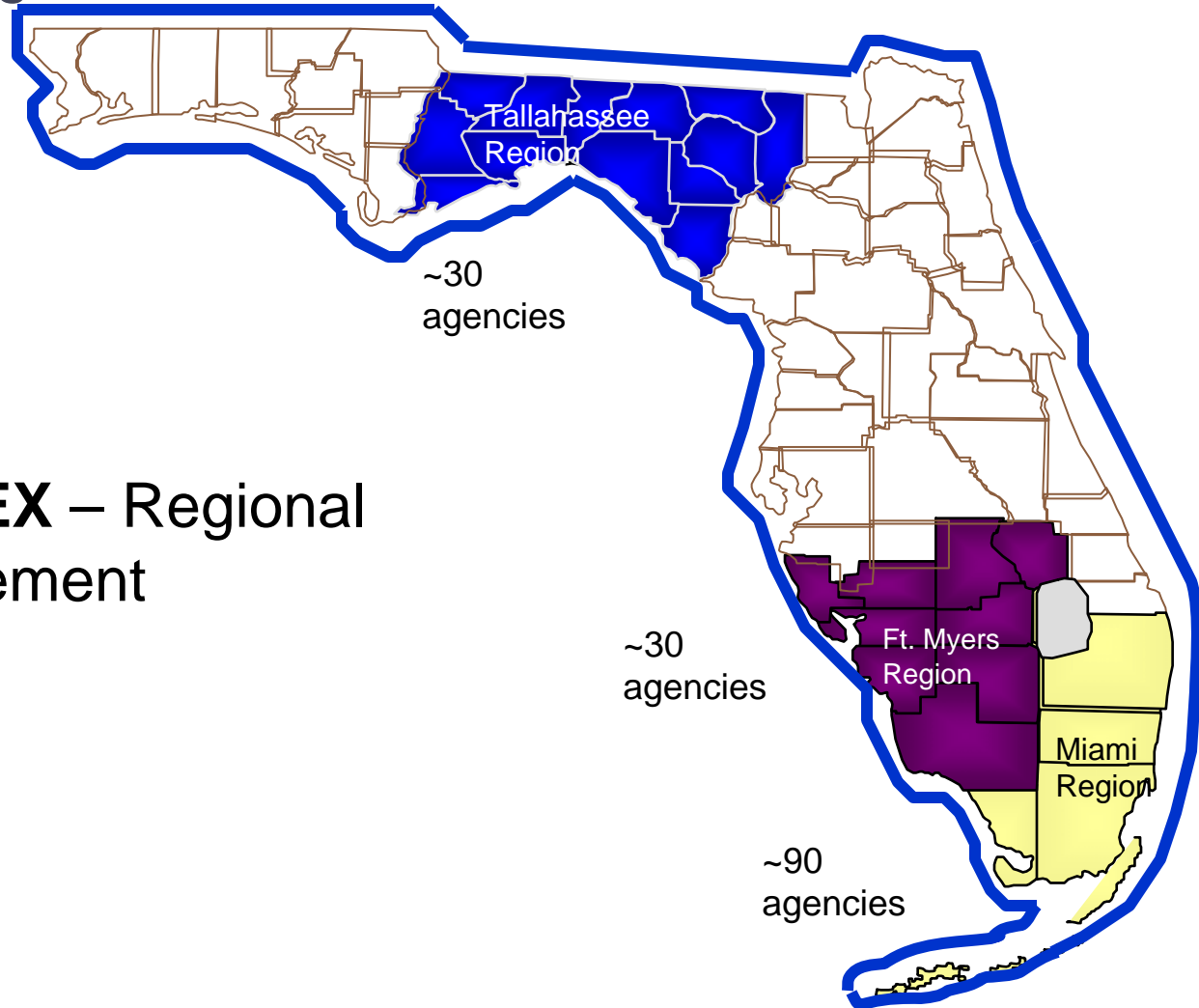
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Florida Law Enforcement Exchange (FLEX) Initiative

- Seeks to provide a state-wide data sharing solution in Florida
- Local data sharing efforts had already been implemented in various regions in FL
 - Of the 7 regions, 4 already had a data sharing solution in place provided by different vendors
- Two phases to state-wide initiative

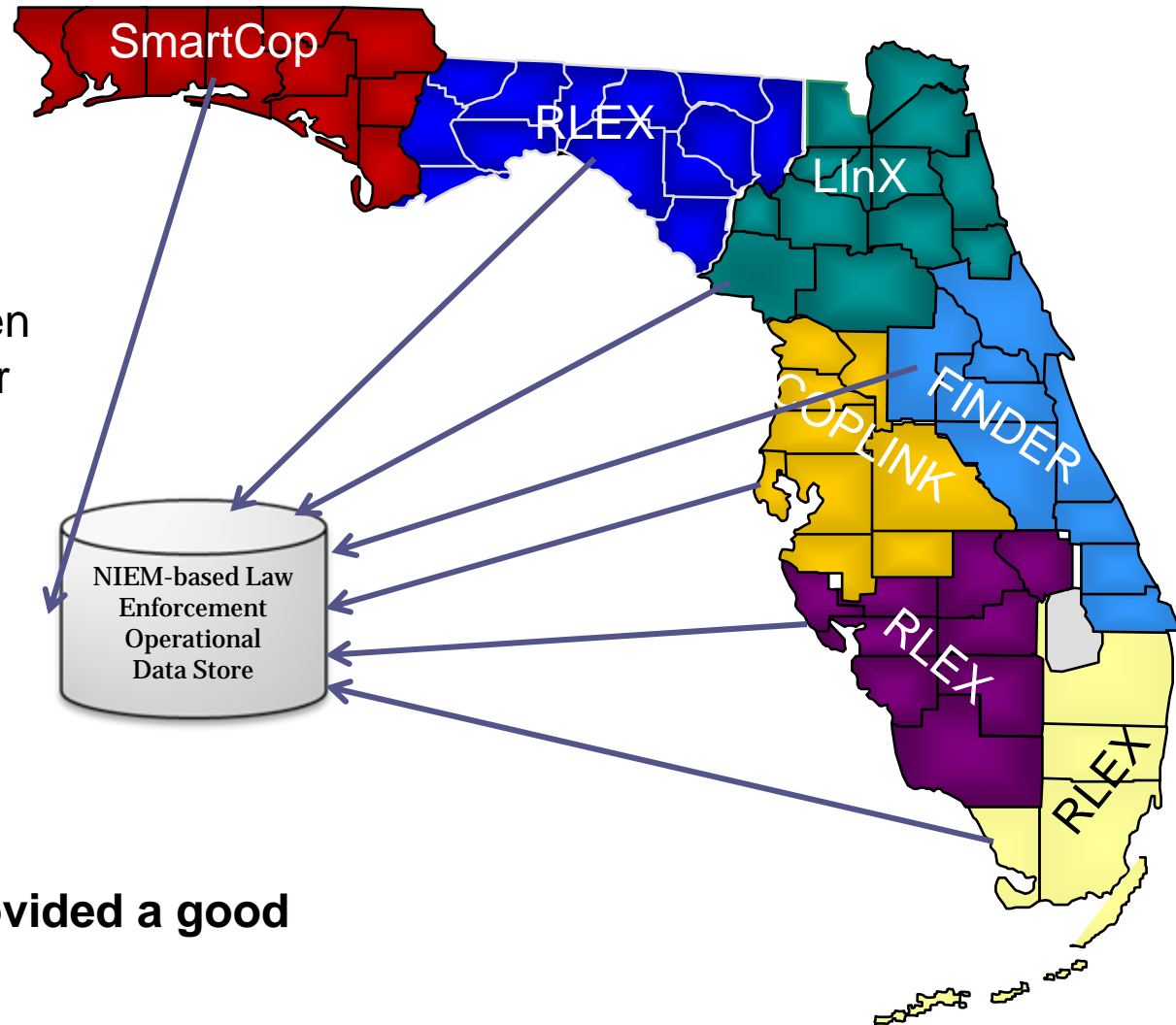
Phase 1 - Three(3) regions still needed a local data sharing solution



Florida RLEX – Regional Law Enforcement Exchange

Phase 2 - All regional systems needed to be tied together

Needed neutral, open standards for vendor interoperability



NIEM and LEXS provided a good framework for this

NIEM in Florida

- **Provided a common nomenclature across different vendors**
- **Was rapidly gaining acceptance by a number of initiatives (FBI NDEX, OneDOJ, NY IEPDs, others)**
- **Robust enough for data sharing needs in Florida**
- **Extensible should need arise to gather more than just law enforcement data**

LEXS in Florida

- **Leverage a DOJ federal standard for a State initiative**
- **Provided an extensible NIEM-based API focused on two actions : publish and search**
- **Two(2) parts of the IEPD**
 - **Part 1- LEXS-PD (Publish/Describe)**
 - **Part 2- LEXS-SR (Search/Retrieval)**

Implementing LEXS-PD

- LEXS provided a standard submission format for agency CAD/RMS data to the FL data warehouse
- Florida required more than the standard elements (Digest) defined by LEXS
 - NDEX elements
 - Elements specific to the new application vendor
 - Pawn records
 - Others
- LEXS allows extension of standard (StructuredPayload)
 - FLEX-PD -> LEXS + above elements
 - Other systems still understand the “standard” parts of LEXS. (They can ignore “extended” parts)

Keys in working with LEXS

- **Extend only if needed**
 - Maximize use of standard elements
 - Study the Digest section of LEXS XSD
- **Document within a document**
 - Tools can't validate a LEXS document with standard (Digest) and extended (StructuredPayload) fields in one step -> two-pass validation required
- **Re-use other structured payloads**
 - FBI NDEX 2.0

Keys in working with LEXS

- **Keep record boundaries as atomic as possible**
 - LEXS allows multiple incidents to be represented in the same message XML element. Minimize this use
 - Clarifies how roles are used (i.e. Subject, Witness, etc)
- **Association specificity**
 - Use more specific association XML tags
 - IncidentVictimPersonAssociation vs ActivityInvolvedPersonAssociation

Keys in working with LEXS

- **Linking elements together in the document**
 - Specific way to do this with LEXS (SameAsDigestReference)
 - Could be accomplished in other ways using standard XML (id and idref)
 - Both can be used simultaneously
 - Adheres to LEXS
 - XML tools better leveraged to do validation

Summary

- **LEXS as a great general purpose, neutral, NIEM-based IEPD for publishing and searching for information**
 - NDEX
 - OneDOJ
 - Florida
- **Use justice community for help**
 - IJIS, DOJ, State Initiatives
 - IEPD Clearinghouse (<http://www.it.ojp.gov/iepd>)
 - NIEM helpdesk (<http://it.ojp.gov/NISS/helpdesk/>)

Q&A

Contact Information

Rehan Chawdry

Sypherlink

Integrated Justice Practice Leader

rchawdry@sypherlink.com

614-652-6899