



IIS Joint Development: The Path Ahead

AIRA Post-NIC 2014 Meeting

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Overview

- Defining the breadth and scope of Joint Development
- Current examples
- The case for expansion
- Key considerations
- Strategies for the path forward
- Questions/discussion

Acknowledgements

PHII, AIRA, CDC Partnership

2013 Joint Development Meeting Contributors

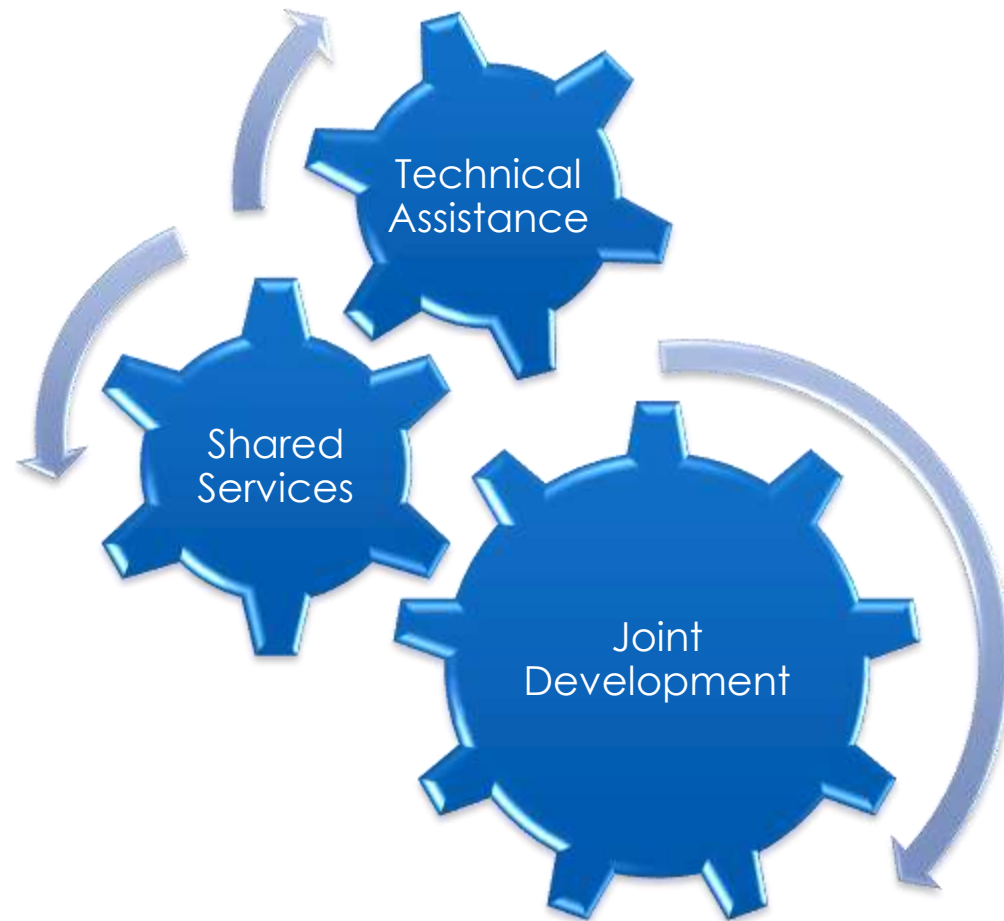
- ❖ Noam Arzt
- ❖ Brandy Altstadter
- ❖ Angel Aponte
- ❖ Belinda Baker
- ❖ Nathan Bunker
- ❖ Frank Caniglia
- ❖ Gordon Chamberlin
- ❖ Rebecca Coyle
- ❖ Erich Daub
- ❖ Kevin Garnett
- ❖ Joe Gibson
- ❖ Nichole Lambrecht
- ❖ Dan Martin
- ❖ Steve Murchie
- ❖ Katie Reed
- ❖ Heather Shull
- ❖ Shane Speciale
- ❖ Mike Suralik
- ❖ Bob Swanson
- ❖ Gary Urquhart
- ❖ Warren Williams
- ❖ Gary Wheeler



What do we mean by Joint Development?

- Definition coined by the workgroup in 2013, published in July 2014:
 - ❖ Joint Development is any collaborative development of standards, business requirements, functional or system requirements, design specifications, or production of actual software tools or applications.
 - ❖ Common needs should result in common solutions

Expanding the Tools in the AIRA/IIS Toolkit



Joint Development is not new...

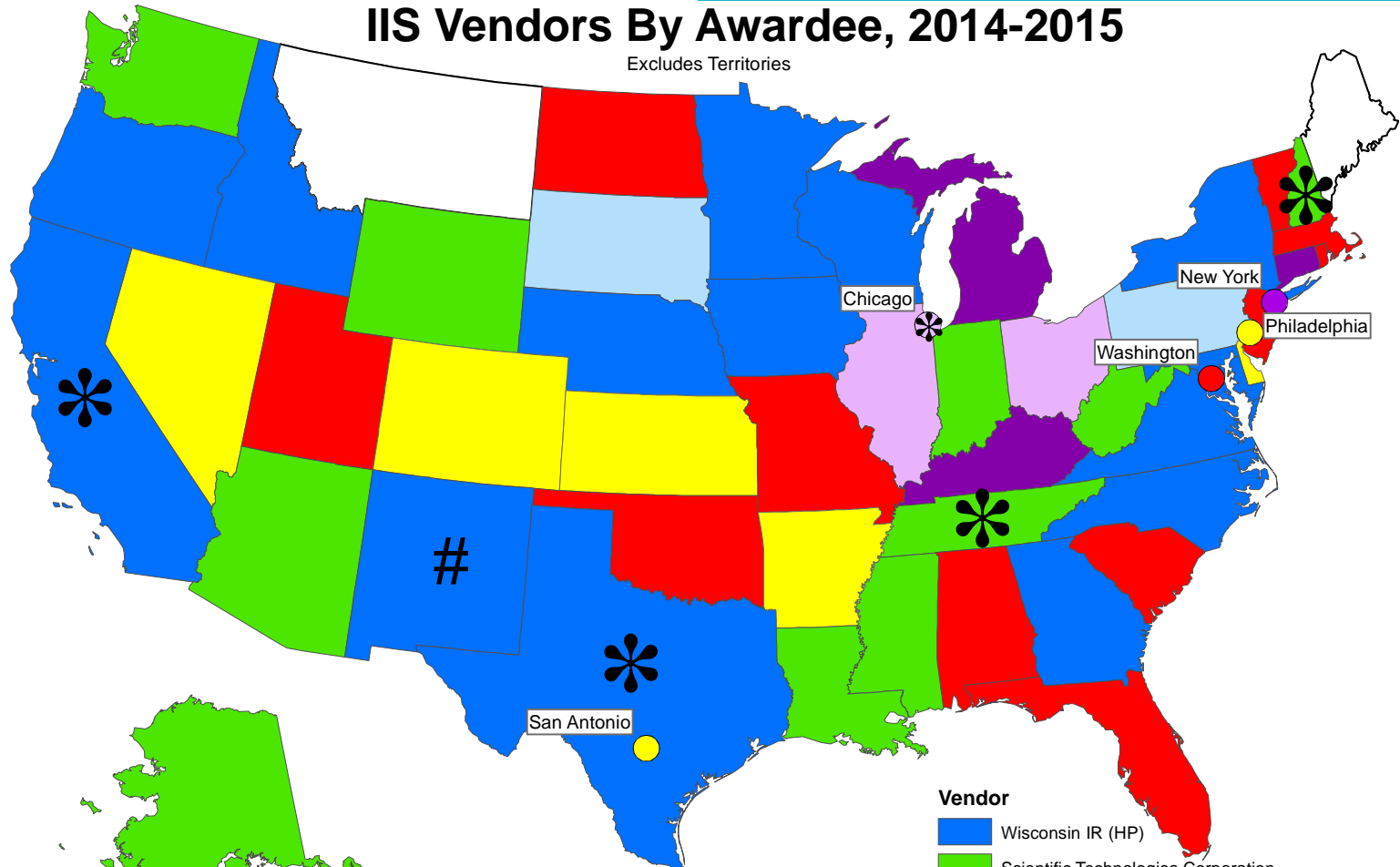
- Examples across the IIS community
 - ❖ WIR Platform Collaborators
 - ❖ Open Source Forecaster Products
 - ❖ STC Development Model
 - ❖ *And so many more...*
- Even earlier examples of a culture of collaboration
 - ❖ CIRSET
 - ❖ HL7 Implementation Guide
 - ❖ Functional Standards/Requirements/MIROW
 - ❖ Creation/formalization of AIRA

Reasons to expand the Joint Development approach now

- Growing complexity of IIS functionality
- Level or shrinking funding
- Emphasis on standards/standardized development to support interoperability across healthcare system
- Emphasis on modular approaches to development

IIS Vendors By Awardee, 2014-2015

Excludes Territories



Vendor

- Wisconsin IR (HP)
- Scientific Technologies Corporation
- Envision Technology
- Wisconsin IR (STC)
- AMCI
- Avanza/Humansoft
- Grantee Developed
- Single-location vendor

In transition, go-live anticipated in 2015

May be in transition soon; solicitation in-progress

Key Elements

Stakeholder Engagement

Planning for Effective Governance

Transparency and Accountability

Legal and Contractual Considerations

Project Management

Requirements Development/Lifecycle Planning

Adherence To Standards

Support of Initial Efforts and Long-Term Maintenance

Stakeholder Engagement

- Ensure invested partners are included in planning:
 - ❖ IIS staff, IIS implementers, EHR vendors, end users, division/bureau leadership, agency attorneys, CIO/Central IT, financial management, Human resources
- Define audience, key messages, timing, call to action

Effective Governance

- Participating partners are defined
- Roles and responsibilities are outlined
 - ❖ Expectations, contributions, formal documentation (e.g., memo of understanding) articulated/created
- Decision-making authority determined
- Funding process clarified

Transparency and Accountability

- Governing body must communicate about oversight activities to project manager, vendor/implementer, fiscal sponsor
- Implementer must communicate with participating partners
- All partners must be accountable to financial and legal offices
- Project must be fully documented
 - ❖ technical and functional levels

Legal, Contractual Considerations

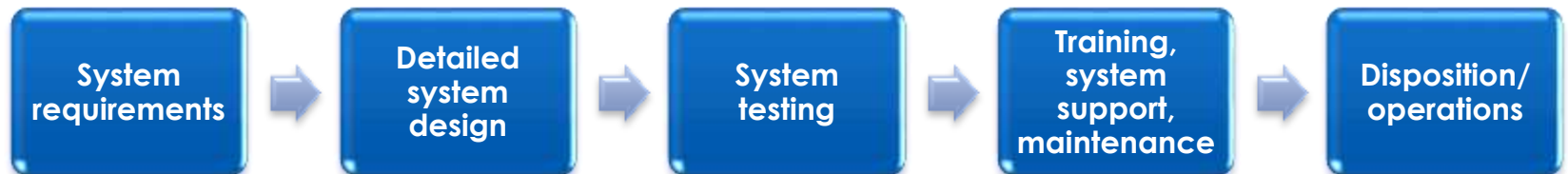
- Identify policies and regulations that might be barriers to implementation
 - ❖ Mitigate where possible
- Explore and provide solutions to licensing issues
- Ensure appropriate use of funds
 - ❖ When in doubt, check with the funder
- Consult with procurement and human resource departments

Project Management

- Assign project manager
- Create project charter/project plan
- Manage budget and constraints
- Identify necessary resources
- Review and revise project plan as necessary

Requirements Dev, Lifecycle Planning

- Identify and document the information need that must be met
 - ❖ And what the information system must do to meet that need



Adherence to Standards

- Ensure that solutions align with relevant immunization, health care, open source or other standards



- Minimize jurisdictional variability

Initial Efforts/Long-Term Maintenance

- Deploy and configure appropriately
- Ensure consistent availability and visibility
- Provide ongoing support and maintenance
- Discourage customizations that inhibit reuse

Selecting Projects

Core Criteria

- Needed by more than one IIS
- Addresses an imm program priority
- Risks (financial, legal, contractual, etc.) are manageable

Secondary Criteria

- Development time likely to be shortened
- More functions for same amount of money
- Standards exist
- Project addresses funded mandate
- Solution is compatible across multiple IIS
- Promotes greater compatibility
- Deadline for project is acceptable

AIRA Cooperative Agreement Strategy for Joint Development

- Outcomes

- ❖ Governance structure created
- ❖ Proof of concept project completed
- ❖ Additional projects identified and completed

- Measure of Success

- ❖ Increase in number of joint/collaborative projects conducted across the IIS community

Initial Steps Proposed – Year 1

Draft Planning Docs

- Gather input
- Create charter
- Create project plan

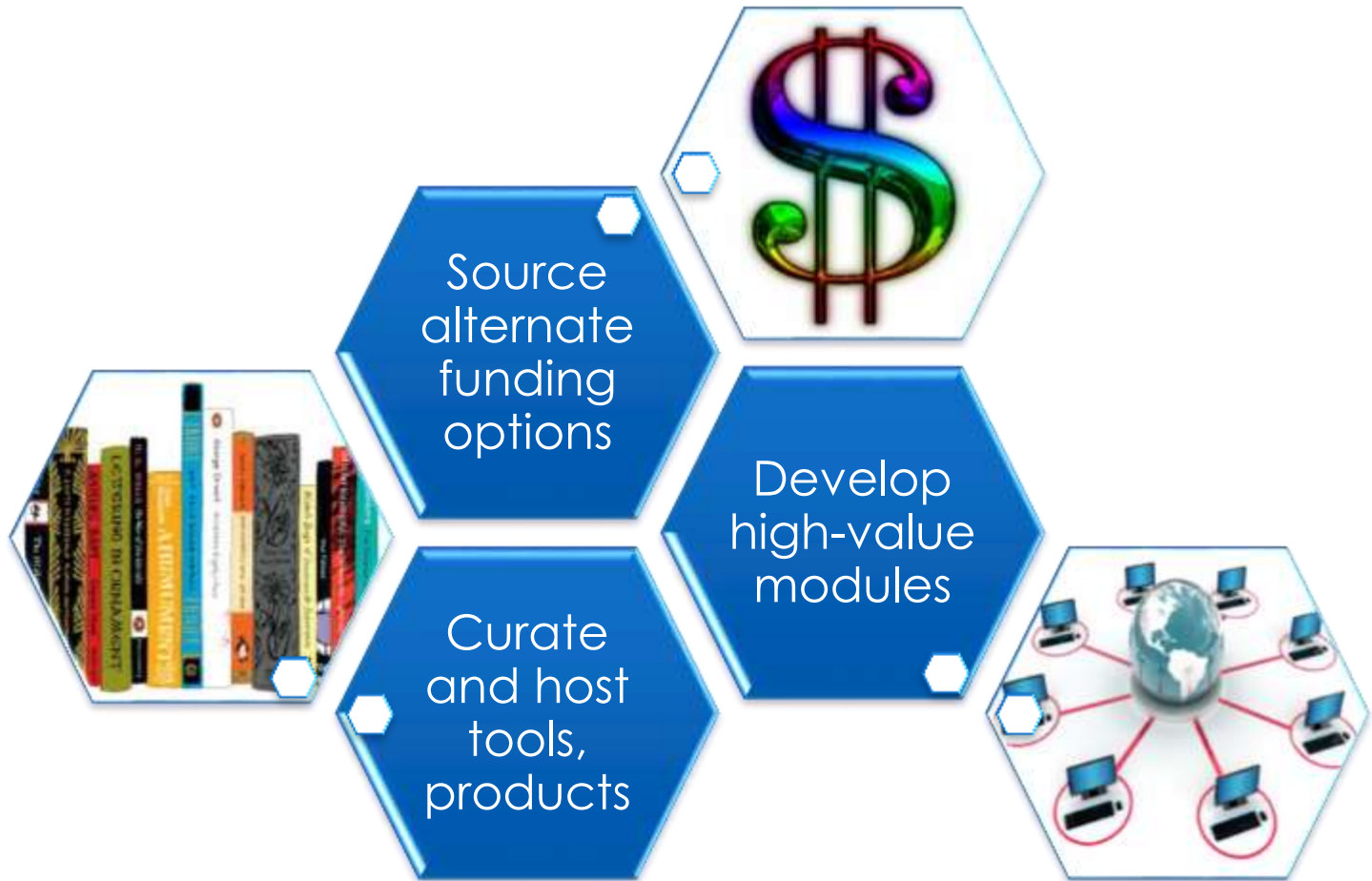
Support Current Efforts

- Hold platform-specific and homegrown IT system calls
- Explore open source options

Design Governance

- Create advisory workgroup
- Draft and publish governance guidance document

Future Potential...



High-Value Modules

CDSi

- A web-service forecaster

AFIX

- Support for provider-based rates assessments and reports

Data Quality Tools

- Tools for prevention, analysis and resolution of DQ issues

Deduplication

- Patient-matching algorithms and/or tools for merging/identity resolution

Consumer Access

- Tools to facilitate consumer authentication, authorization, and access to records

A Call To Action!





Questions/Comments?



Thank You!

- Please share your thoughts, ideas, projects, etc.:
- Contact Information:

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