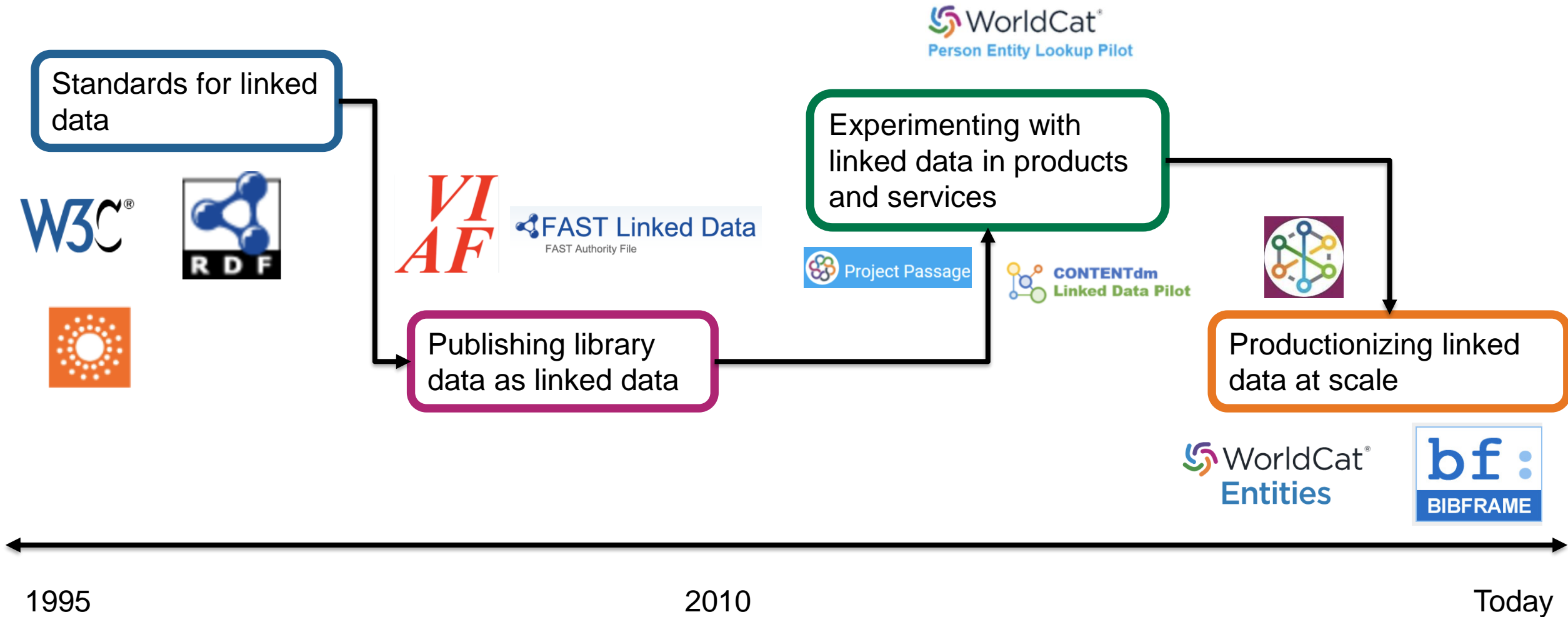# Meeting users where they are today: easing the burden of migrating to linked data

Jeff Mixter

Sr. Product Manager

OCLC

# OCLC's work in linked data

Standards for linked data

Experimenting with linked data in products and services

Publishing library data as linked data

Productionizing linked data at scale

1995

2010

Today

Solving for a variety of challenges

- **Increasingly complex and messy hybrid environments**
- **Disparate URIs** make authority work difficult and time-consuming
- **Lack of tools** supporting a unified cataloging environment prohibits data connections
- **Inability for data to serve multiple workflows** leads to duplicative creation and curation
- **Absence of an ecosystem** that enables shared, collaborative linked data management at scale promotes disparate workflows which are ill-suited and unsustainable

OCLC's linked data ecosystem
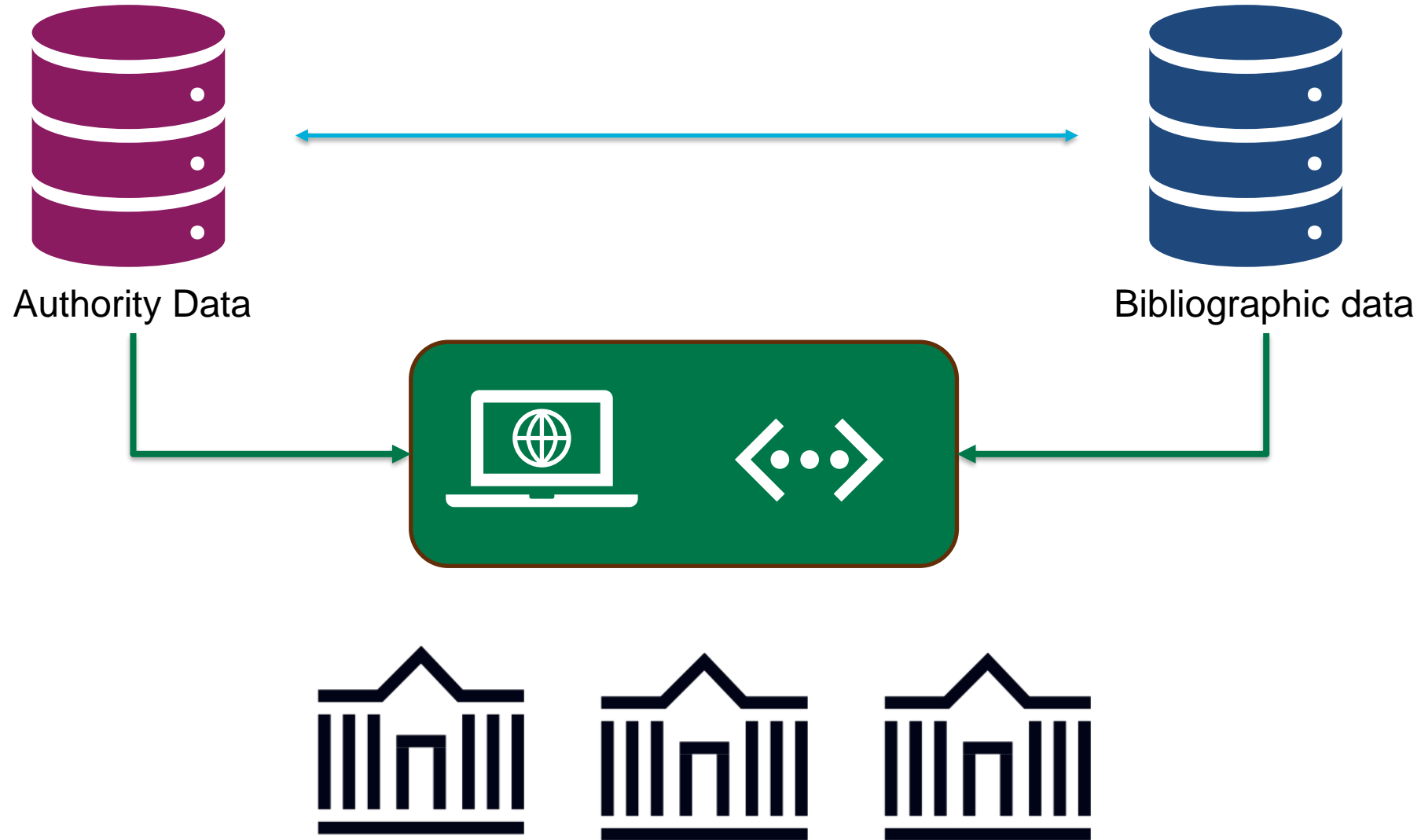
Meeting libraries where you are today

- **Create global identifiers** that will be used across workflows by adding to URIs to WorldCat data

- **Release tools that bridge the gap** between traditional records and linked data frameworks to enable seamless creation and curation of data

- **Import and export WorldCat data as BIBFRAME** so librarians can work seamlessly between MARC and BIBFRAME

- **Evaluate and adapt to flavors of BIBFRAME** so librarians can share and exchange data with the highest fidelity possible

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AUTHORITY WORKFLOWS

WorldCat Entities

- Authority linked data entities
  - Person
  - Work
  - Place
  - Event
  - Concepts
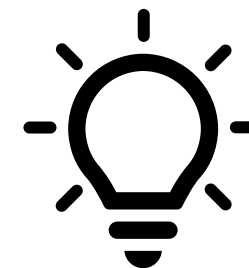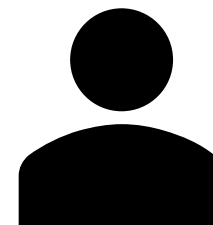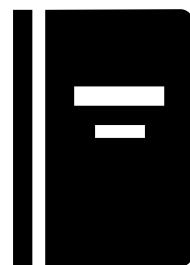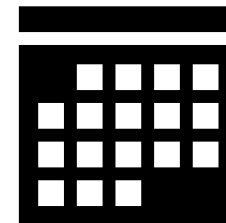
WorldCat ontology

- OCLC is working with partner libraries to expand the data model based on library workflows and data needs

- Data model used to describe Authoritative entities in WorldCat Entities

OCLC Meridian

- Create a new Organization entity

OCLC Meridian

- Immediately access a linked data URI

OCLC Meridian

- Connect the new entity to other entities in the WorldCat graph

OCLC Meridian

- Find other connection points in the WorldCat graph

OCLC Meridian

- Connect them back to the new entity

OCLC Meridian

- Rich and meaningfully connected graph of data to serve library workflows

BIBLIOGRAPHIC WORKFLOWS

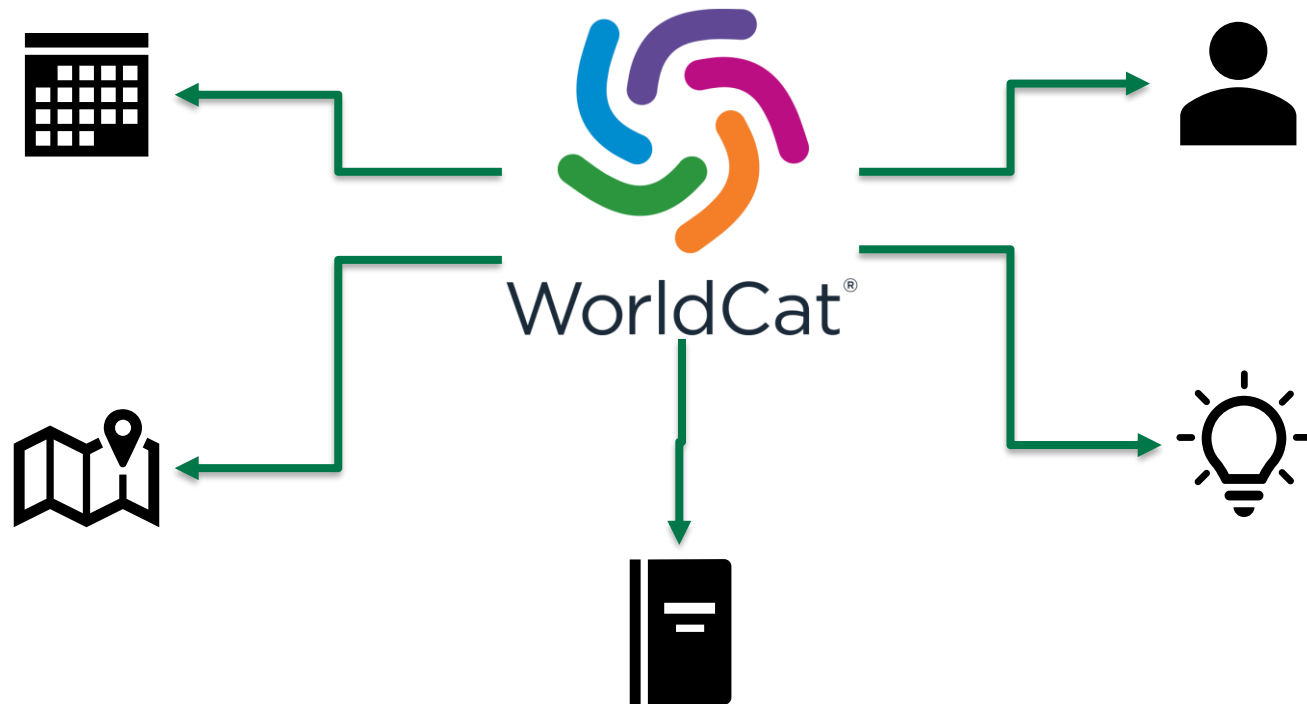# BIBFRAME ingest/export
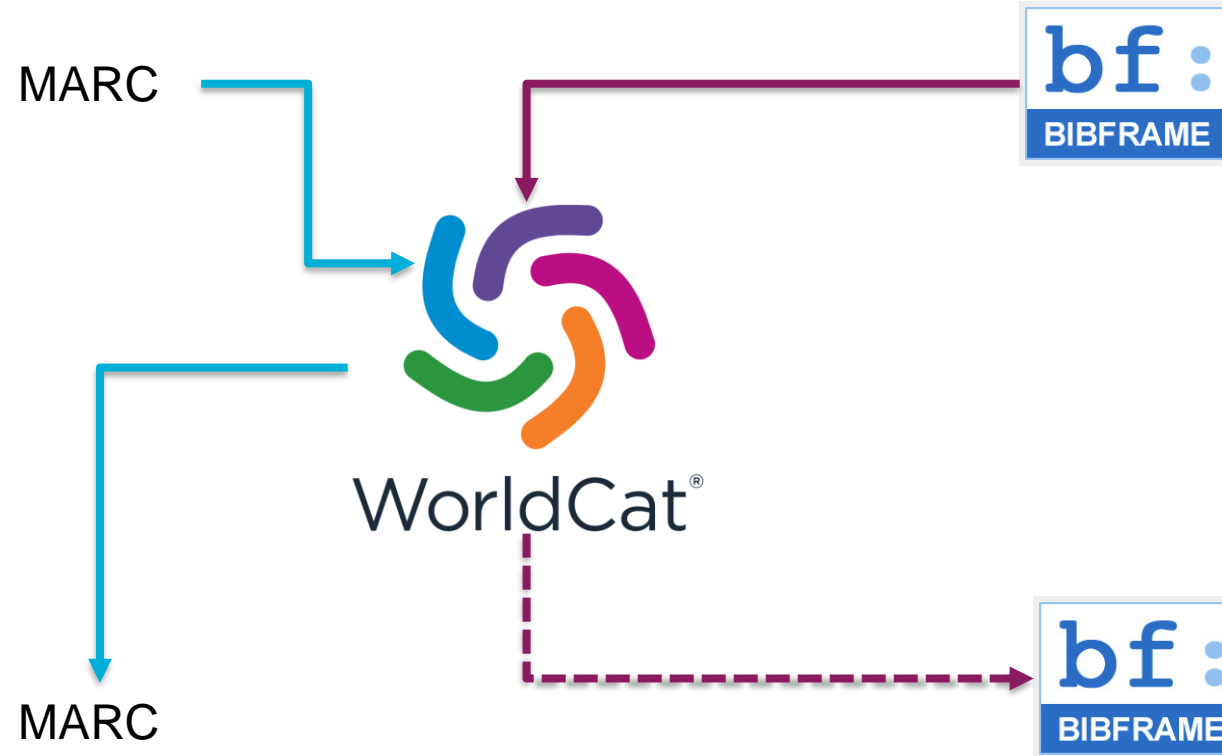
'Linkifying' WorldCat

- Currently working to add WorldCat Entity URIs to $1 across WorldCat

BIBFRAME Editor

- Developing a BIBFRAME editor to meet the needs of librarians as the transition to non-MARC formats and face new data needs and workflows

- Works seamlessly back-and-forth with BIBFRAME and MARC data so libraries can choose the data format best suited for their workflows, systems, and staff

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Thanks!

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what is
known must
be shared.®

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