FOLIO
The Future of Libraries is Open
Open Source Library Services Platform

Open Innovation + Microservices + A Healthy Eco-System = Vibrant Libraries
WHY FOLIO?
Market in Transition
CONSOLIDATION
In library automation

Vendor Consolidation
Fewer ILS Options
Monolithic Systems
Consolidation means:

- **fewer systems** = **higher costs**
- **no choice** for discovery, linking, ERM
- **less innovation** as systems are closed
OLD FASHIONED
OLD FASHIONED
All-in-one system
CHANGE
in academic libraries

Emerging Requirements
Changing Collections and Spaces
Evolving User Needs
Stuff you WANT.

Cordoba, Argentina. Photo by Jenny Carden - http://beforeidie.cc/site/about/
Academic libraries are facing times of unprecedented challenge and unparalleled change. Innovation has moved from a consideration to a necessity.

-- Curtis Brundy

http://www.libraryinnovation.org/article/view/420/625
INNOVATION in library technology
WHY EBSCO?
Vision

A Vibrant Ecosystem Expanding the Role and Contribution of Libraries to the University’s Mission
MEET FOLIO
FOLIO is a COMMUNITY focused on innovation:
Academic libraries, OLE Partners, Index Data, EBSCO & others
FOLIO:
The Engaged Community is Growing
The Engaged Community is Growing
### FOLIO Momentum

**Phase 1**
- **Pre-work idea phases**
  - FOLIO announcement: Aug 2016
  - GitHub repos open: Sept 2016
  - Formal OLF announced: 2018

- **Platform and initial apps**
  - Platform and initial apps: Dec 2016

- **Library Technology & Innovation**
  - Online forums begin: Mar 2016
  - Community devs engage: Apr 2016
  - Exemplar app completed: Oct 2016

- **Roadmap established**
  - Roadmap established: Nov 2016

- **Phases**
  - Ramp up of dev teams for Index Data and EBSCO: Jan 2016
  - Market drip campaign to build interest: Feb 2016

**Phase 2**
- **Availability of FOLIO Apps to run library (LSP)**
  - Regular code releases: 2015

- **Extended Apps / LMS**
  - CPH meeting: 2018
  - V1 set: 2018

- **Roadmap**
  - Roadmap established: Dec 2016
  - Community devs engage: Mar 2016
  - Exemplar app completed: Oct 2016

- **SIGs are fully engaged**
  - SIGs are fully engaged: 2018

- **Platform and UI POCs**
  - Platform and UI POCs: Jan 2016

- **FOLIO development**
  - FOLIO development: Feb 2016

- **Pre-work idea phases**
  - Pre-work idea phases: Jul 2015

- **Platform and initial apps**
  - Platform and initial apps: Dec 2016

- **Library Technology & Innovation**
  - Library Technology & Innovation Reaching New Heights: 2018
platform
The Agreement...

- Multi-tenant, cloud-ready, built around open knowledgebase(s)
- Electronic and print resource management
- Open!
- Can be hosted by commercial vendors, library networks, or locally
- Apache 2 license: Everyone can play
- Design for community engagement
- Modular – snap-in modules (apps) contributed by libraries or vendors
- Microservices architecture (MSA)
DEFINITION:
microservices

Functional decomposition of systems into manageable and independently deployable components.
## Evolution of software engineering architectures

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<th>Fine Grained Components</th>
<th>SuperFine Services</th>
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<td><strong>2000-2010</strong></td>
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<td>Monolithic Approach / 1&lt;sup&gt;st&lt;/sup&gt; Platform</td>
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### One Size Fits All

A Monolithic approach refers to a software design pattern that includes all functional and non-functional features into one “box”. It does what it says on the box – no more and no less. Changes / improvements will impact the entire “box”. A key pattern originated by the mainframe era (also referred to as 1<sup>st</sup> Platform).

### Fine Grained Components

A Service Oriented approach is mainly about “exposing” discrete components of an application as Web Services. SOA based applications are comprised of more loosely coupled components that can be used in different contexts. SOA was a key pattern to move from 1<sup>st</sup> to the 2<sup>nd</sup> Platform.

### SuperFine Services

Microservices is referring to a number (at least 2) of independent application services delivering one single business capability in an independent, loosely connected and self-contained fashion. Microservices are key to moving organisations onto the 3<sup>rd</sup> Platform.

FOLIO ARCHITECTURE

- Modular
- Collaborative
- Microservices
- Platform Focus
FOLIO ARCHITECTURE

• Modular
• Collaborative
• Microservices
• Platform Focus
eco-system

ecology

marketplace

commoditization
Microservices + Open Innovation = Vibrant Libraries

Microservices-oriented platforms offer a pathway for libraries to operate as game changers and innovative service models providing exemplary student experience, support for scholarly research and successful teaching and learning initiatives.
FOLIO meetups

**UKSG**  
10-12 April, Harrogate, UK

**NETSL**  
5 May, Worcester, USA

**University of Aberdeen**  
25 May, Scotland, UK

**ASERL**  
1-2 June, Charleston, USA

**ACURIL**  
4-7 June, Puerto Rico

**Bibliothekartag**  
May 30-June 2, Frankfurt, Germany

**ELAG**  
6-9 June, Athens, Greece

**Open Repositories Conference**  
26-30 June, Brisbane, Australia

**VALA Tech Camp**  
13-15 July, Victoria, Australia
EBSCO FOLIO Innovation Challenge

EBSCO will fund 8 FOLIO innovation grants totaling $125,000 to libraries looking to develop innovative technology solutions that advance technology for libraries.

About the EBSCO FOLIO Innovation Challenge

The FOLIO Innovation Challenge is a grant program by EBSCO that will award 8 grants to innovative technology solutions that advance technology for libraries. Grants will be awarded to projects that illustrate an innovative solution to challenges that libraries of different types face. Winning projects can be designed to support academic, special or public libraries.

The following grants will be awarded:

- 3 Winners at $25,000
- 5 winners at $10,000

Why The FOLIO Innovation Challenge?

FOLIO is a new community project of libraries and vendors to develop an open source platform built for innovation. The FOLIO project sets out to develop new applications that extend the library into new services and experiences.
the future of libraries is OPEN

I'd like to be a part of the community for the next generation open source library platform.

Full Name
Institution
Country
Email Address *

JOIN THE COMMUNITY

https://www.folio.org
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