Delivering an Enterprise-Wide, State of the Art Research Expertise Discovery Tool

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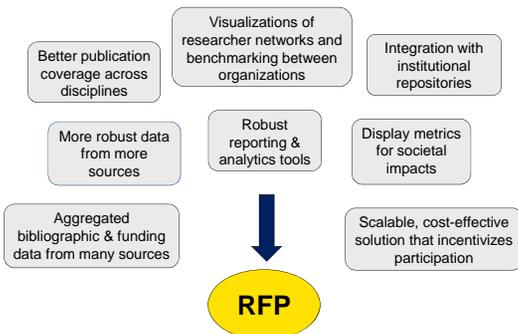**Roohi Baveja, PhD, Director, Research Intelligence and Analytics; Associate Director, Finance**

University of Michigan Medical School Office of Research

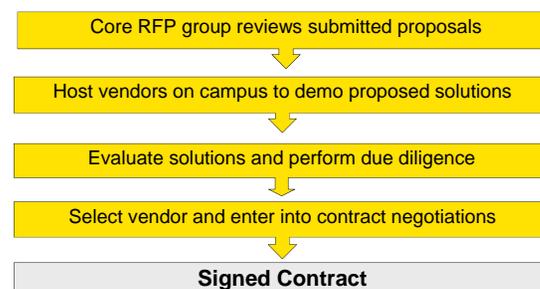**MEDICAL SCHOOL — UNIVERSITY OF MICHIGAN**

Background

Michigan Research Experts was developed by UMMS Office of Research to foster intramural and extramural collaboration, to facilitate the transfer of research knowledge, and to highlight the breadth of productivity and expertise within the research enterprise at U-M. As the database and its usage across the University grew, the needs of the institution outpaced the existing system.

Strategy

Seeking a more institutionally coherent and integrated approach, the UMMS Office of Research charged a project team to identify stakeholder needs and to develop the vision for a new platform. The team engaged university stakeholder partners to define criteria for the replacement system, which formed the basis of our Request for Proposals (RFP).
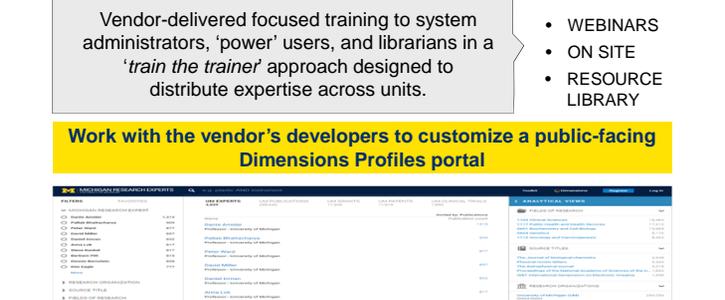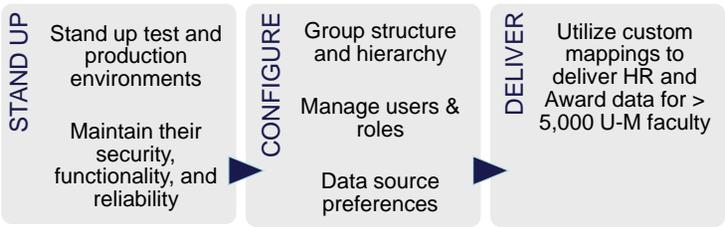
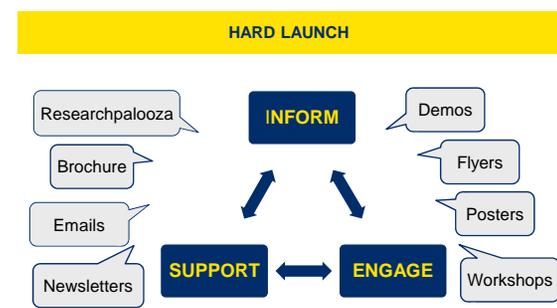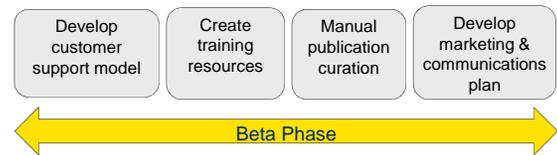- Better publication coverage across disciplines
- Visualizations of researcher networks and benchmarking between organizations
- Integration with institutional repositories
- More robust data from more sources
- Robust reporting & analytics tools
- Display metrics for societal impacts
- Aggregated bibliographic & funding data from many sources
- Scalable, cost-effective solution that incentivizes participation

RFP

Solution

- Core RFP group reviews submitted proposals
- Host vendors on campus to demo proposed solutions
- Evaluate solutions and perform due diligence
- Select vendor and enter into contract negotiations
- **Signed Contract**

Implementation

An implementation timeline prioritized milestones in the production cycle from "Kick Off" to "Go Live"

STAND UP
- Stand up test and production environments
- Maintain their security, functionality, and reliability

CONFIGURE
- Group structure and hierarchy
- Manage users & roles
- Data source preferences

DELIVER
- Utilize custom mappings to deliver HR and Award data for > 5,000 U-M faculty

INTEGRATE

Research metrics of social impacts

Awards data from 300+ global funders

Michigan Research Experts

Publication data from multiple massive databases

Deposit work from Experts or push data from the repository

Dimensions

DEEP BLUE LIBRARY — UNIVERSITY OF MICHIGAN

Vendor-delivered focused training to system administrators, 'power' users, and librarians in a '*train the trainer*' approach designed to distribute expertise across units.

- WEBINARS
- ON SITE
- RESOURCE LIBRARY

Work with the vendor's developers to customize a public-facing Dimensions Profiles portal

Go Live

- Develop customer support model
- Create training resources
- Manual publication curation
- Develop marketing & communications plan

Beta Phase

HARD LAUNCH

- Researchpalooza
- Brochure
- Emails
- Newsletters
- **INFORM**
- Demos
- Flyers
- Posters
- Workshops
- **SUPPORT**
- **ENGAGE**

IMMEDIATE BENEFITS

- + Data Sources = significantly improved representation of researchers and their work in the art and humanities
- Search by keyword, concept, or copy+paste to identify closely related research across U-M or across the world
- Grants data from hundreds of funders delivers insight into what research is being funded
- Scalability and cost effectiveness incentivizes participation
- Rapid enhancements. Strong vendor relationship and Agile development philosophy enables quick responses to feature requests and system improvements

Conclusion

The UMMS Office of Research, in collaboration with our campus partners and UMMS IT, launched a streamlined, scalable, fully integrated researcher profiling system that delivers greater publication coverage across research disciplines, enhanced data reporting and in-depth analytic and visualization capabilities to facilitate strategic recruitments and investments in research, a seamless transition between local and global searches for expertise and collaboration, and the display of research metrics for social impacts.

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