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New Workflows for Research Publications and Repository at SMU

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New Workflows for Research Publications & Repository at SMU

YEO PIN PIN

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Li Ka Shing Library, Singapore Management University

Presented at Libraries for Tomorrow Conference 2014, October 14

Existing Systems

Research Grants System

IRB (Institutional Review Board) via email

RPS (Research Publications System)

Faculty CV

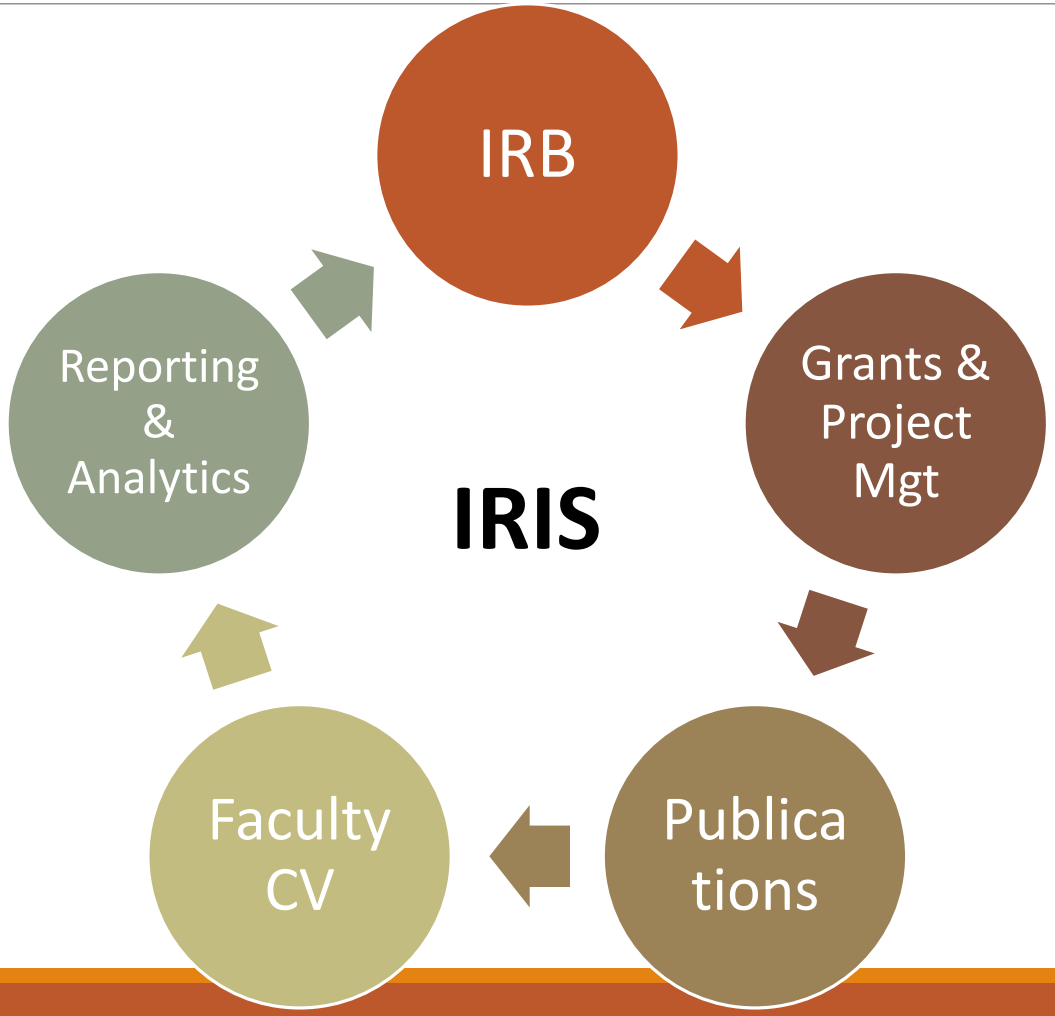
Publications on SMU website

InK (institutional repository)

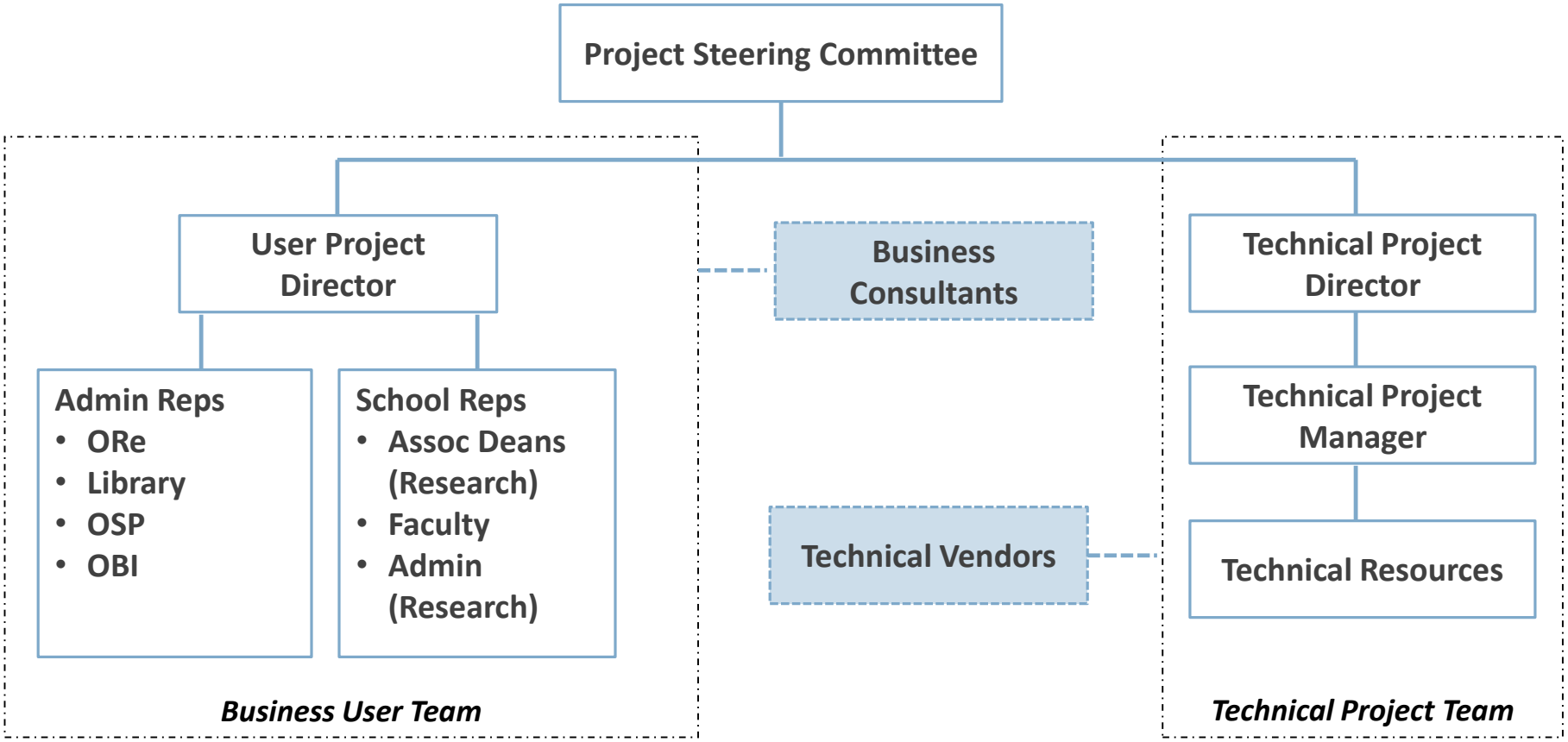
Objectives of Integrated Research Information System (IRIS)

- Build a comprehensive and integrated system to serve the University's growing needs in the area of research
- Boost the productivity of researchers and administrative staff through automation and tools for pre- and post-award processes and encourage the number of research grants applications
- Scale up research capacity at SMU by providing an effective research environment for the researchers and administrators
- Amalgamate historical research information and provide a holistic view on the state of research in SMU
- Showcase and promote SMU's research outputs

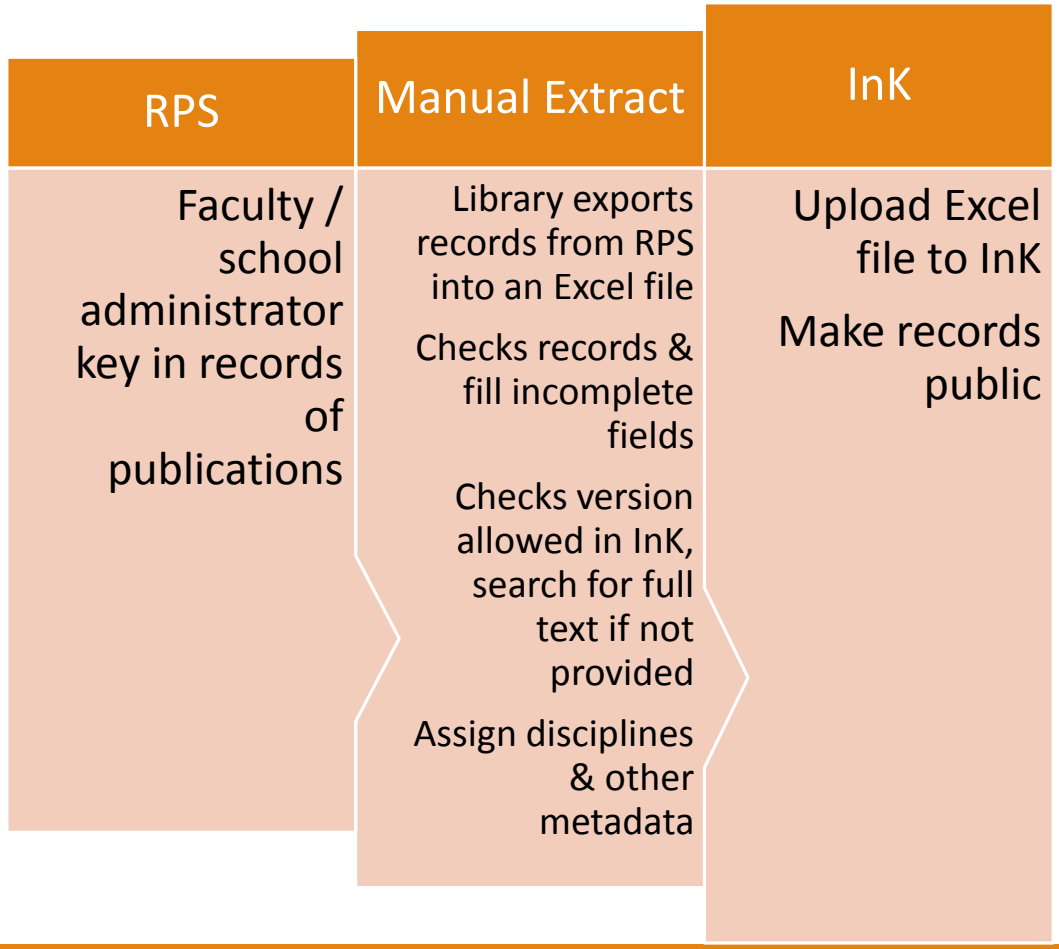
IRIS Modules



IRIS Project Team Structure



Existing Workflow



Issues with Existing Workflow

- Records in RPS and InK start to diverge as changes to InK records not reflected in RPS
- New records only spike when school / Office of Research / faculty review calls for updates
- RPS requires in-house manpower to maintain
- Users find RPS not so user-friendly

Proposed Workflow

Faculty/School admin key in records of new publications with option to **import from Scopus, Web of Science, PubMed**
When journal title selected from drop-down list, display from **SherpaRomeo which version can be uploaded in InK**

Library notified of new records, fill incomplete information, assign disciplines and other metadata, **validates records**

Automated pull of records to InK

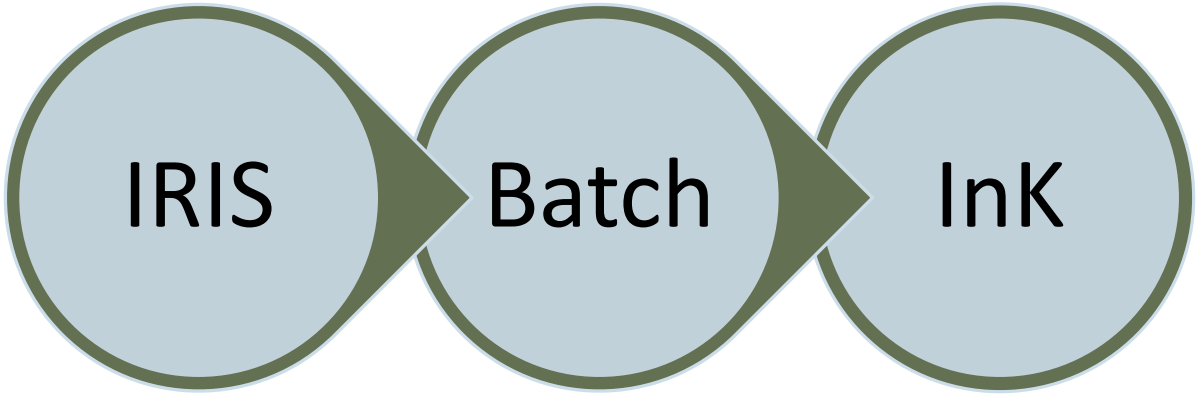
Automated pull of records to SMU website (Publications)

Implementation of Publications Module

- Map fields in InK to IRIS
- Trial load of data from InK into test version of IRIS
- Specification of fields to display for different publication types
- Specification of rights for different roles
- Specification of email notifications
- Specification of reports and analytics
- Create interface to InK & SMU website

IRIS to InK Issues

- Digital Commons (InK) does not currently support SWORD
- Need to use batch upload instead of API to create new records
- Store batch file in secure location and give access to Digital Commons
- Need to have a way to get a handle back from Digital Commons
- Use batch upload to update records when any change is done in IRIS



Advantages

- Update publications records in ONE place inside IRIS
- Import records from databases like Scopus, Web of Science, PubMed
- Journals titles are controlled in IRIS to ensure consistency
- Workflows put in place
- Single sign on to IRIS with SMU ID

Success Factors

Strong champion to get buy-in from stakeholders

Project Steering Committee

- Prof Steven Miller (Vice Provost Research)
- Lau Kai Cheong (IITS)
- Gulcin Cribb (Library)

Dedicated project manager

- Gather requirements
- Write and call tender
- Evaluate tender
- Implement project

Go live in April 2015