

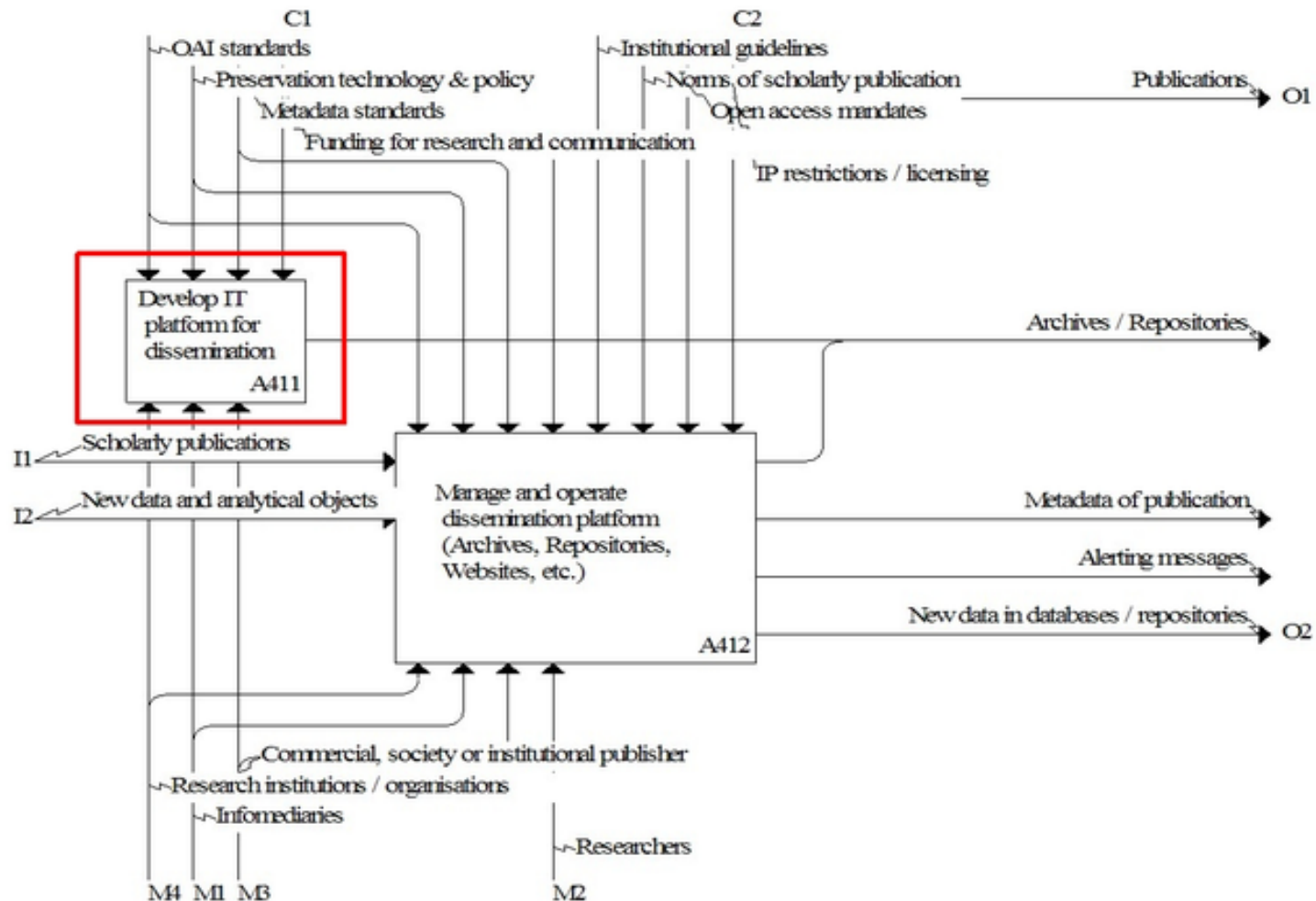
IT Infrastructure for OJS

*Hilton Gibson
Stellenbosch University Library
Berlin 10 Open Access Conference
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Workshop 3*

Assumptions

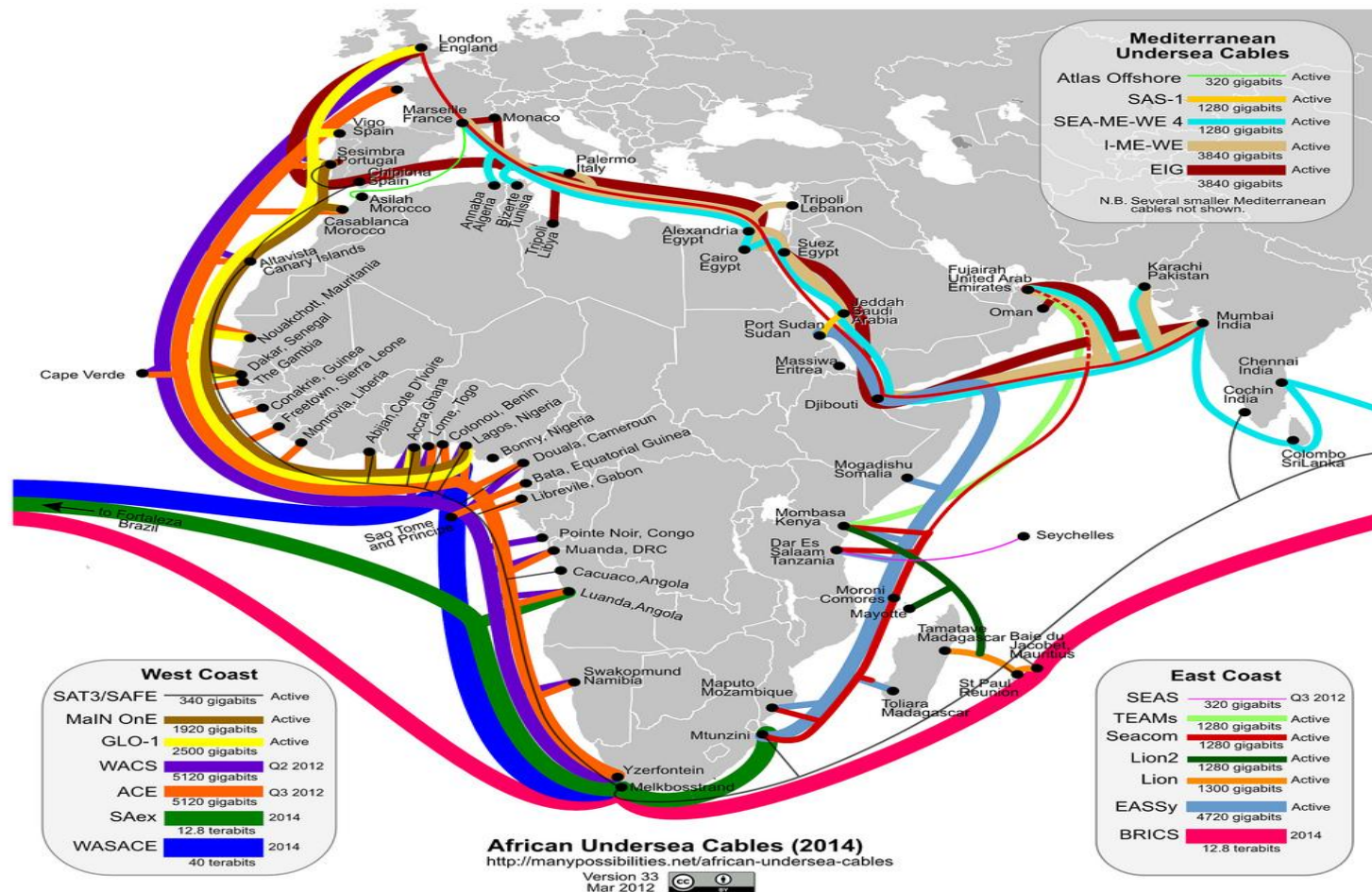
- No IT infrastructure available on campus
- No IT support personnel on campus
- No Library e-scholarship management personnel

Research Lifecycle



Internet Connection

Arrange with a local ISP for an internet account with a fixed IP address



Hardware



Dell PowerEdge R210 II -
New!

Starting Price **\$4,408.00**

2 TB Hard Drive

8 GB RAM Memory

4 CPU's

2 Network Interfaces

Inclusive of VMWare
standard software licence

Software

Use the following free open source software:

- Ubuntu 12.04 LTS for server operating system

- OJS version 2.3.8.0 for online journal management

Employ a Linux consultant to install the software

- Whether to hire a consultant or employ one?

- Whether to virtualise the hardware or not?

Who will do customisations?

- Whether to hire a consultant or employ one?

Systems Management

Software upgrades

Hardware upgrades

Server backups

System long term capacity planning

Disaster Recovery

Have at least one backup server

Plan for two different geographical backup locations, if possible

Prepare documentation and contingency plan

Budget

Network

Hardware

Software

Personnel

Other Options

Hardware only

- Public cloud services

- Private cloud services

Hardware and Software

- Public hosted journal services

- Private hosted journal services

References

Start up guidelines

<http://bit.ly/goodir>

Generally accepted repository practice

<http://bit.ly/garpir>