

»» Technology Driven Collaborative Learning

LabMan 2018

May 22 – 24, 2018



Printing Solutions From Lab to Enterprise

Fuller Ming

Assistant Director for IT,
Dining Services

Uche Enwesi

Director, Systems Support,
Libraries

Fabian Gomez

Assistant Director for IT,
School of Architecture



1990 ENTERPRISE PRINTING

- 1990's–Workstations at Maryland (WAM Labs)
- Home-grown, Laser Print Cost Recovery – LPCR
- **Free Printing**, Most Campus Labs
- Partnership: DIT, Libraries & Campus Card (Dining)

Task: Find an Enterprise solution:

Evaluated: Go Print, Pharos, and CS Print

- Selected Pharos for WAM but highly customized
DIT asked Libraries to Take over for Campus



HP LaserJet, Circa 1998

Where We Are



Libraries use Pharos

- Six Libraries on Campus
- Pharos used for Printing & Copying
- Average ...
 - ...over 317,000 print jobs per year
 - ...almost 39,000 copy jobs per year
 - ...over 2,250 plotter jobs, increasing 300 jobs the 1st year and almost 400 jobs the 2nd year



Where We Are



School of Architecture use PaperCut

- Used for 2 large Plotters and 3 Printers
- Average of 9,000 jobs per year
- Average cost per job, \$7.20
- Plotter Average cost per job, \$16.40



Where We Are



WEPA *(Administered by Business School)*

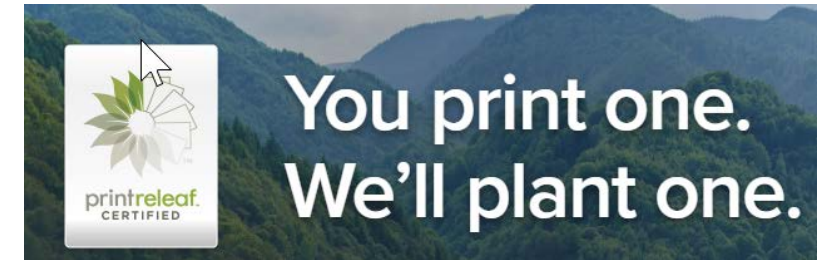
- WEPA – Administered by Business School
- 24 WEPA Kiosk ON Campus
 - Business, Student Union, ESJ, Engineering, Resident Life, Dining Services, Education, Bio/Psych, School of Public Health, Art/Soc, BSOS
- Business School is very happy with NOT having to manage LAB printers.



RHSMITH, From Pain to Care Free

“WEPA provides high-quality paper and toner. It basically pays for itself since we get [money] back for every print job. We've had minimal hardware issues as well -- the biggest surprise to me! ***Using WEPA had dramatically improved paper waste!***”

-- Holly Mann, Director of IT, Smith School of Business



UMD has offset the equivalent of 407,877 total standard pages of paper consumption by reforesting 48.95 standard trees since joining PrintRelease Exchange 8/1/2017

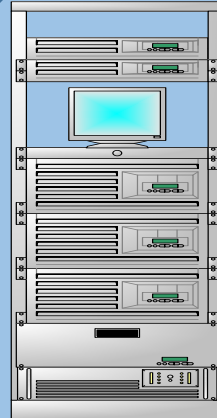
Terrapin Express Payment

Dining Administers Flex

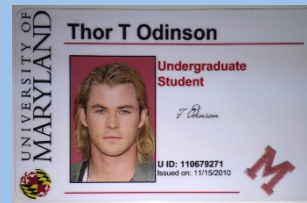


UNIVERSITY OF MARYLAND

SCHOOL OF
ARCHITECTURE,
PLANNING & PRESERVATION



Terrapin Express Campus Card System



Libraries – Pay for Copies
and Printing



This works for us because we are highly Decentralized
This is painful for us because we are highly Decentralized



USING PHAROS

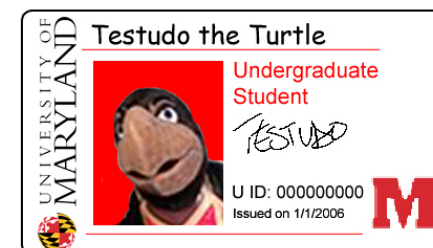
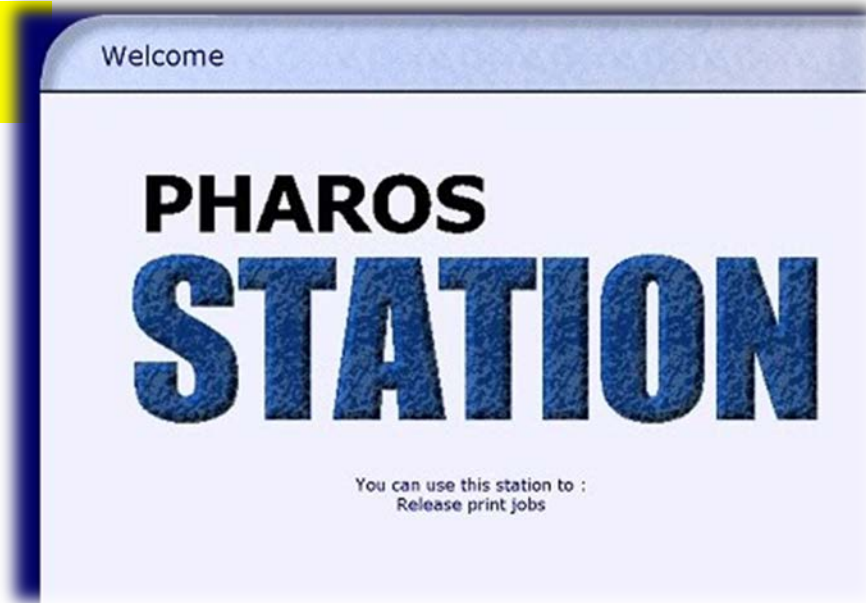
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Strengths & Weaknesses

- Well Established in the Industry
 - Integrated into all campus card systems & most printer/copier manufacturers
-
- Older, may not be as innovative
 - Loosing Market Share



Strengths & Weaknesses

- Inexpensive to Start – NO upfront Cost aside from network and power
 - They provide consumables – paper, toner, etc, You provide labor... BUT they provide technical support if it really breaks down.
-
- Limited Paper Options (Not a generic pay-for-print solution)
 - You loose SOME control of your Flexible Spending (Campus Card)



Strengths & Weaknesses

- Easiest (at least for me) to setup and configure
 - As robust and flexible as Pharos, but more modern
-
- You must establish all pay-for-print accounts in the PaperCut database *(based on my limited knowledge)*
 - Directory Service must contain ID Card Credential *(Again, based on my limited knowledge & experience)*



Questions?

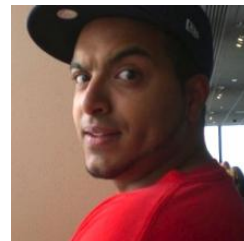


Contact Information

Fuller Ming, Jr., fming@umd.edu



Uche Enwesi, uenwesi@umd.edu



Fabian Gomez, gomezf@umd.edu

