# PENN DATA WAREHOUSE LANDSCAPE, OCTOBER 2016



Individual access to data:

### **BusinessObjectsBI4**

InfoView & Web Intelligence; Crystal Reports (ATLAS Reports only)



Universe Layer provides access to data collections

#### **QlikView**

interactive analysis & visualization \*migration to QlikView 12 Fall 2016



Extracted data optimized for in-memory use and associative relationships

Authorized users may use other tools to program their own queries from any data collection

SQL/ODBC



Data Warehouse Collections:

As of Jan 2016: Oracle 12c, Linux, Unicode

#### Alumni / Giving

Advancement

### **Faculty**

- Appointments
- Recruitment
- Grad Groups

#### **Facilities**

- FRES Work Requests
- Space@Penn

#### **Financial**

- General Ledger
- Assets
- BBR
- Concur Expense
- Express Mail
- ISC Billing
- Planning

#### International

- Global Activities
- Global Travel
- Immigration/Visa

### Personnel/Payroll

- Salary Mgt
- Faculty Comp
- Position Inventory
- PAR
- Change Log

### Research

- Proposals
- Human Subjects Protocols

#### Training

Learning Management

### Student/Teaching

- Student bio, enrollment
- Financial Aid
- Admissions
- Billing
- Financial Aid
- Grad Funding
- Worksheet
- Tuition Distribution
- Course Evaluation
- Career Tracker

Extract, Transformation & Load processing -



Source Systems:

## Alumni/Giving:

**ATLAS** 

### **Facilities:**

AiM (FRES work orders)
Space@Penn

#### Faculty:

FIS (Faculty Information Sytem)
Faculty Search (People Admin)

### International:

GAR (Global Activities Registry)
Global Travel (travel reservation)
iOffice (student/scholar immigration)

# Financial:

BEN (Oracle Fixed Assets & GL)
BBR (grants billing / receivables)

Concur Expense

UPS Express Shipping

ISC Billing (mainframe, network, telecom)

Planning (Hyperion RevExp & Salary)

### **Identity Management:**

Penn Community (Penn ID)
Online Directory (email)
Penn People (race/ethnicity)

### Personnel/Payroll:

PennWorks (bio, roles, faculty comp)
Payroll (mainframe)

Position Inventory

### Research:

PennERA (proposals, prtocols)

### **Training:**

Knowledge Link (learning mgt)

# Student/Teaching:

- daily, periodically, or other process-based

Pennant (student billing; grad funding)

SRS (mainframe registration)

SAM (mainframe student aid mgt)

OASIS (undergrad admissions)

Apply Yourself (grad admissions)

Penn Course Evaluation AdvisorInTouch

REQBUILD (worksheet requirements)

SAS Career Tracker