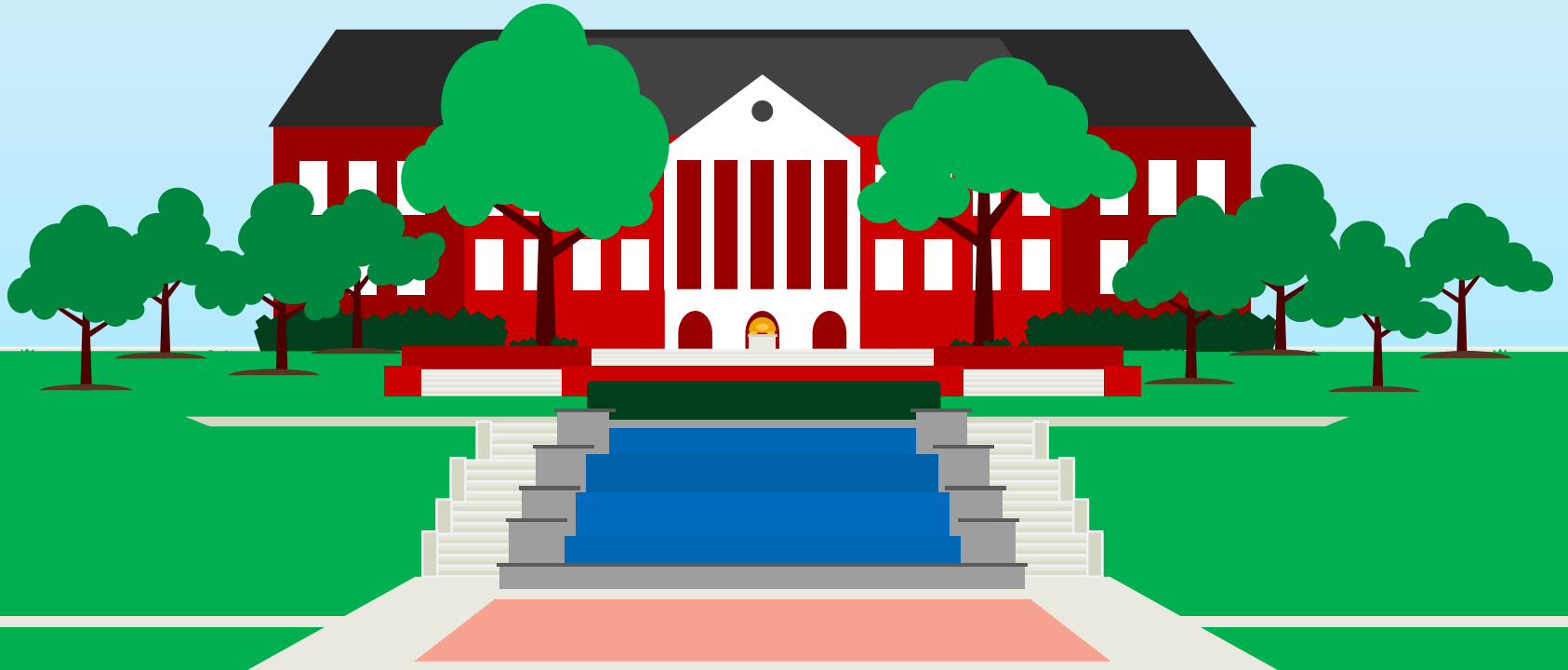


DECISION SUPPORT PROJECT OVERVIEW

Spring 2018



TOPICS

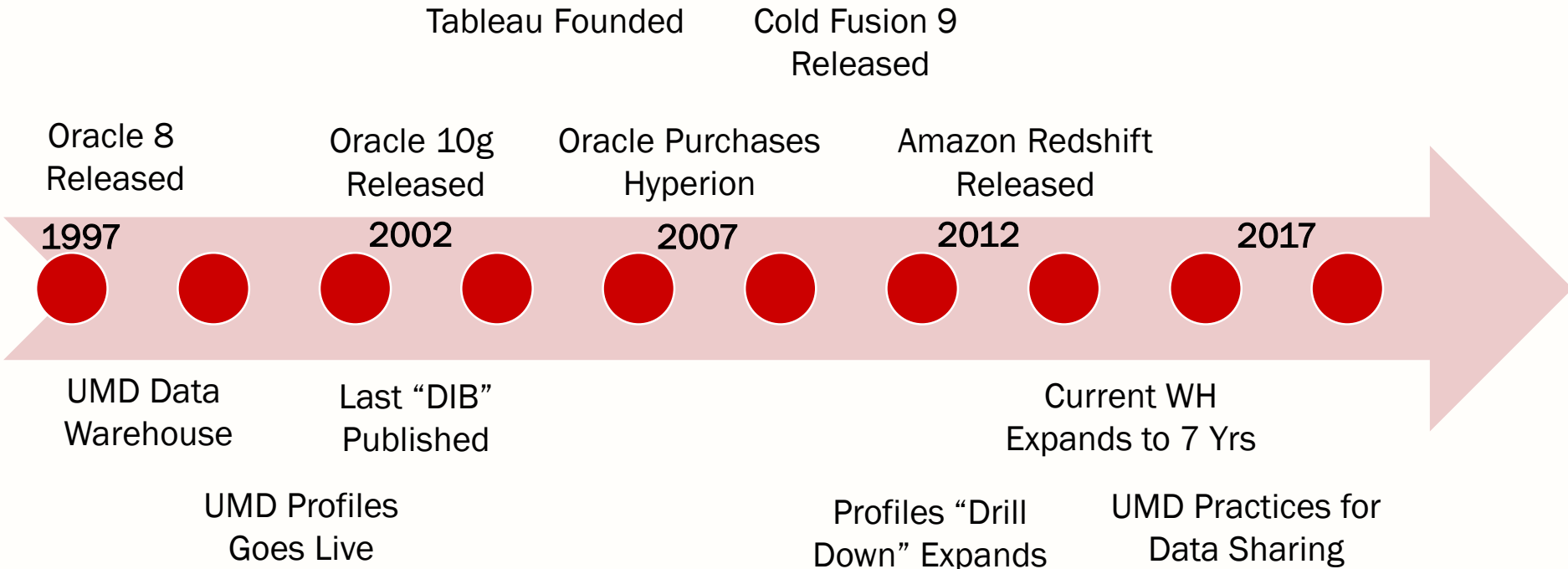
- **How did we get here?**
- **What are we doing?**
- **What does this mean for users?**
- **For more information...**



**HOW DID WE GET
HERE?**

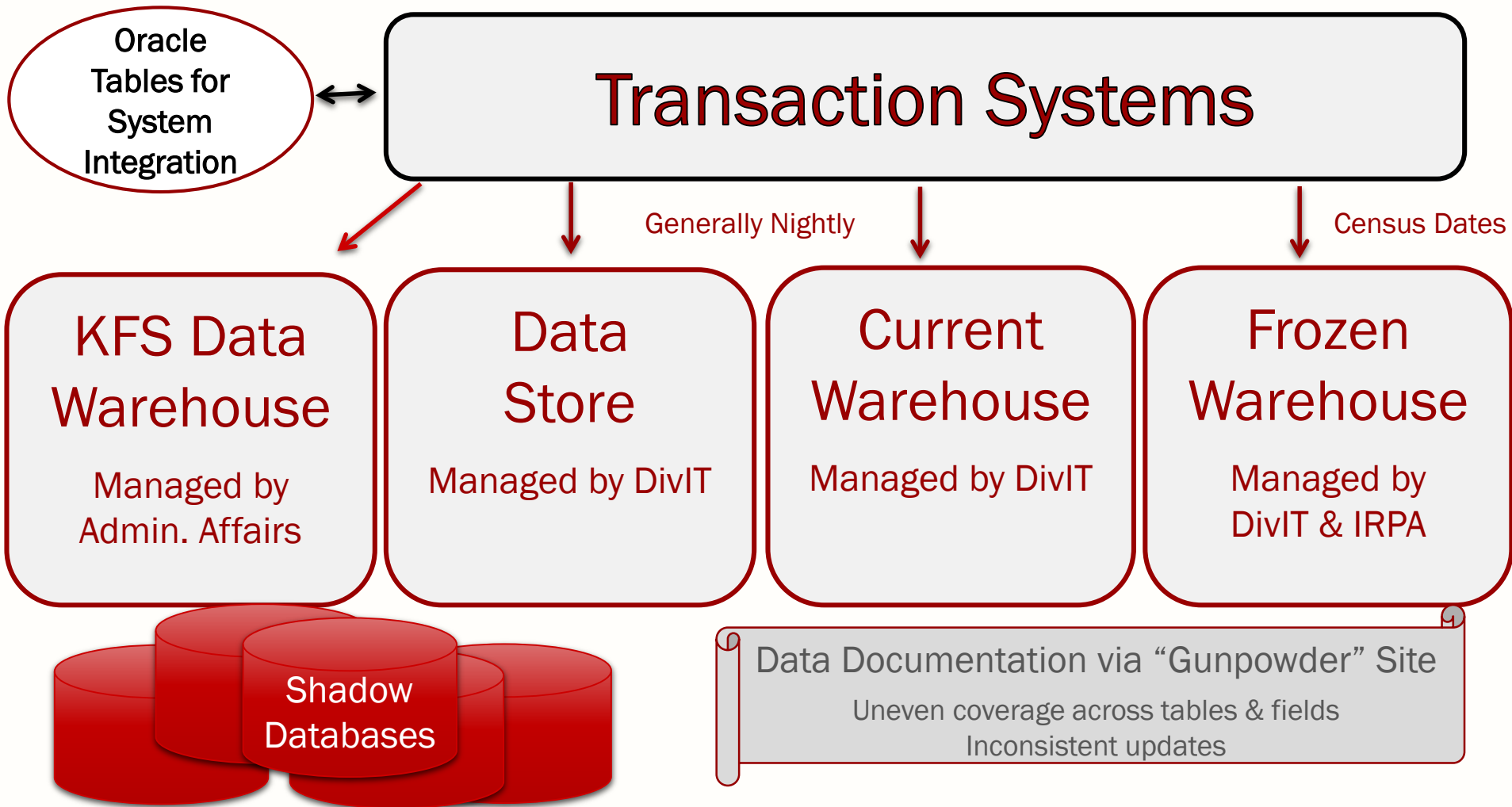
A SELECTED TIMELINE

IN THE WORLD...



AT UMD...

TAKING INVENTORY



WHY MODERNIZE?

- Software **Out of Support**: Manufacturer no longer provides patches or technical support
- Software **Incompatible**: Software is incompatible with new versions of operating systems or browsers

Risks: Data Security, System Stability, User Frustration

- Software Is No Longer **Performant**: Product does not provide experience users expect – response time, features, etc.
- Design is **Outdated**: Warehouse was designed using outdated standards

Risks: User Frustration

DECISION SUPPORT SYSTEMS AT MARYLAND

System	Issue	Risk Level
Profiles	Out of Support, Performant	High
WOW	Incompatible, Out of Support	High
Desktop Hyperion	Support ends 2018?	Medium
Warehouse	Performant, Outdated	Medium

DATA CHALLENGES AT UMD

Inconsistent definitions

Gaps in data availability

Inconsistent reporting

Processing data is brittle and slow

Inconsistent application of data policy

Limited unit-record and reporting flexibility



**WHAT ARE WE
DOING?**

PROJECT OVERVIEW

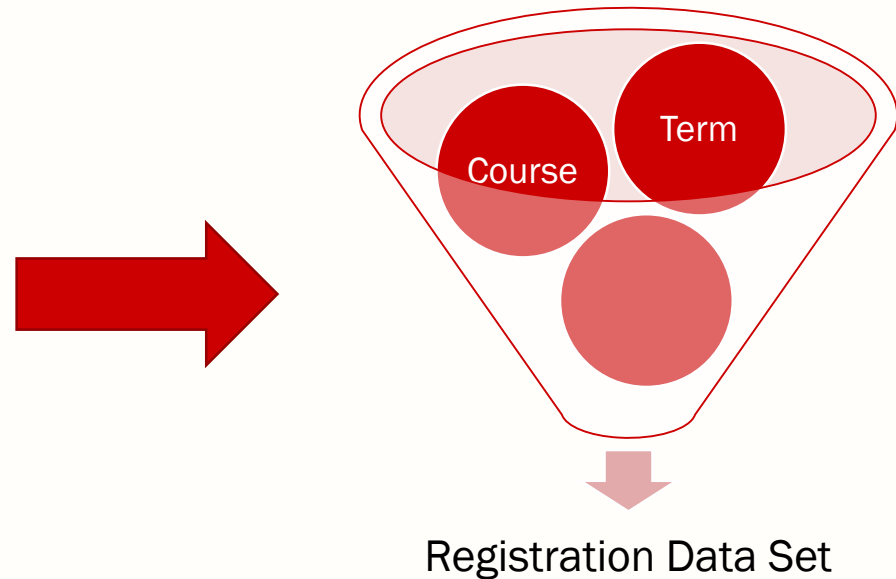
Workstream	Executive Reporting	Data Extraction + Ad Hocs	Data Modernization	Data Documentation
Description	Any user on campus should be able to access predigested information with context to aid in their understanding	Power users on campus generate reports to do their day-to-day work and need the ability to run ad hoc queries	AWS DW transformation	Ensuring all data are documented in DataDocs prior to moving to the new DW
Legacy Systems	Profiles, Frozen Warehouse, WOW	Current Warehouse, WOW, Advise on the Web, Hyperion Studio	Oracle, Mainframe	DAD site, Oracle Tables
Risk Mitigation	Profiles Replacement WOW - Partial Replacement	WOW Replacement	Informatica implementation SIS Replication / Data Store	Field level definitions - DAD Replacement Report Documentation
Enhancements	New Executive Reports New Content Areas	Hyperion/Studio Replacement Advise on the Web Replacement	Warehouse redesign New data sources Implementation of "Data are Free" Policy	Table Documentation
Solution Space Systems	Tableau, AWS	SQL, Tableau, Jasper, SAS, ...?	Amazon Redshift	Data Docs

A SHIFT IN PHILOSOPHY

Individuals Approved



Data Sets / Elements Approved



FOUR TYPES OF ACCESS

- **Public:** aggregate, summary, basic data
- **Campus-wide:** aggregate, summary, decision support
- **Protected-use:** de-identified individual records for research or legitimate business use
- **Full-use:** individual records identified for use in research, legitimate business use, and applications



**WHAT DOES THIS
MEAN?**

CHANGES FOR USERS

Finding data

- New location, hopefully consolidated and easier to find
- New look and feel, hopefully more intuitive

Generating data

- New tools, hopefully with more stability and features
- Some pain in learning, hopefully with community support

Documenting data

- New tools, hopefully with collaboration and support
- New responsibility, hopefully with payoff

HOW CAN YOU PREPARE

Identify:

- Questions / decisions
- Data sets that answer these

Start learning:

- Install Desktop Tableau
- Explore resources

Prep your data:

- Data documentation
- Data cleanup



FOR MORE INFORMATION

Email: reportsupport@umd.edu

Project website: <https://irpa.umd.edu/dsupdates.html>

www.reports.umd.edu