Modernization and Reporting

NCDPI SBS Division

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North Carolina Department of
PUBLIC INSTRUCTION

SBS Data Analytics Team

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Business Analyst

SCHOOL BUSINESS SERVICES

- Allotments
  - Allocates the funding to all PSUs
- Analysis
  - Provides analysis and reports to internal partners, OSBM, General Assembly, the USED, research partners, and to school districts
- Compliance
  - Ensures PSUs are fiscally compliant with any state and federal regulations
- Reporting
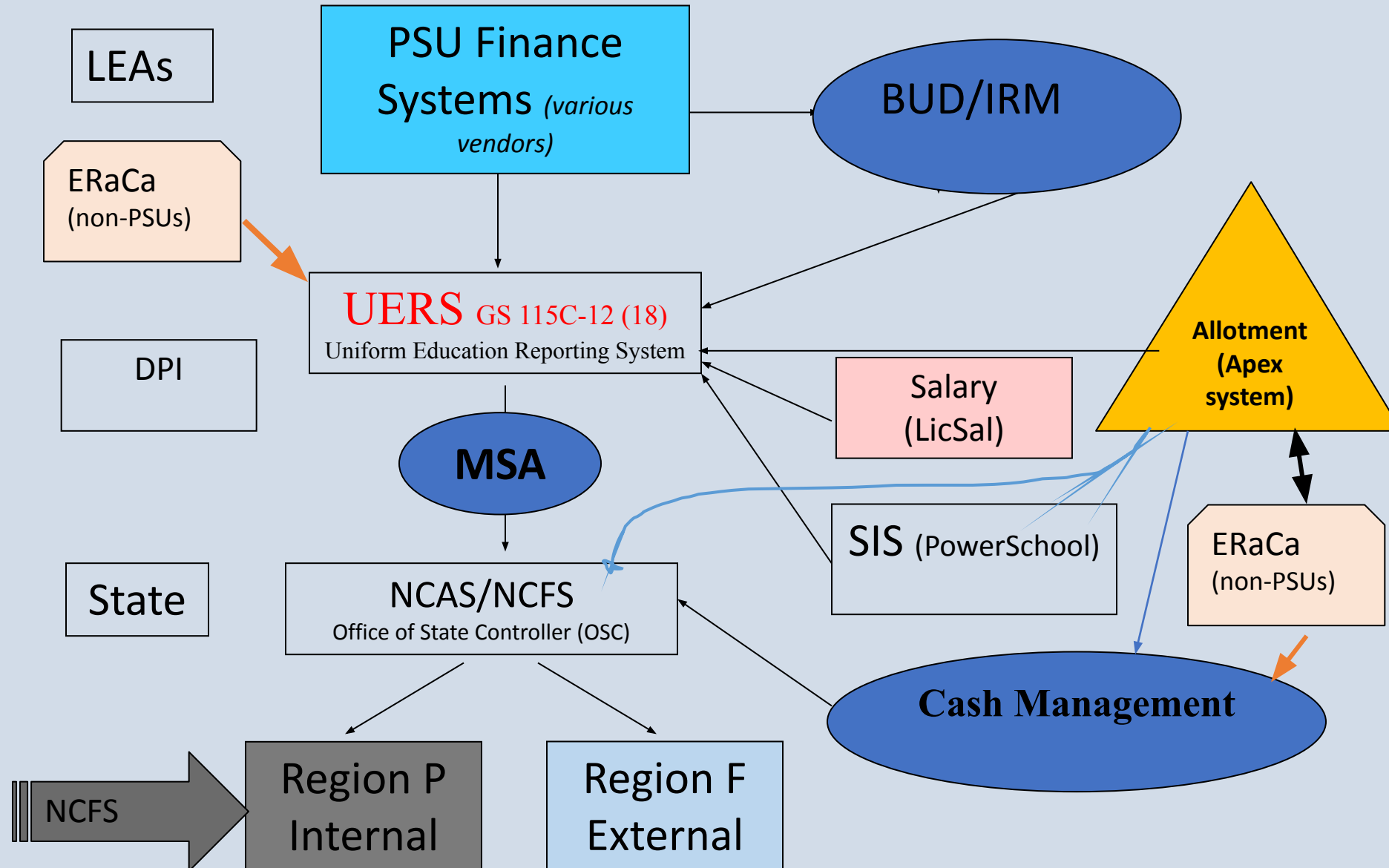 - Collects, organizes, and validates UERS data files

School Business Services

ALLOTMENTS

REPORTING

ANALYSIS

COMPLIANCE
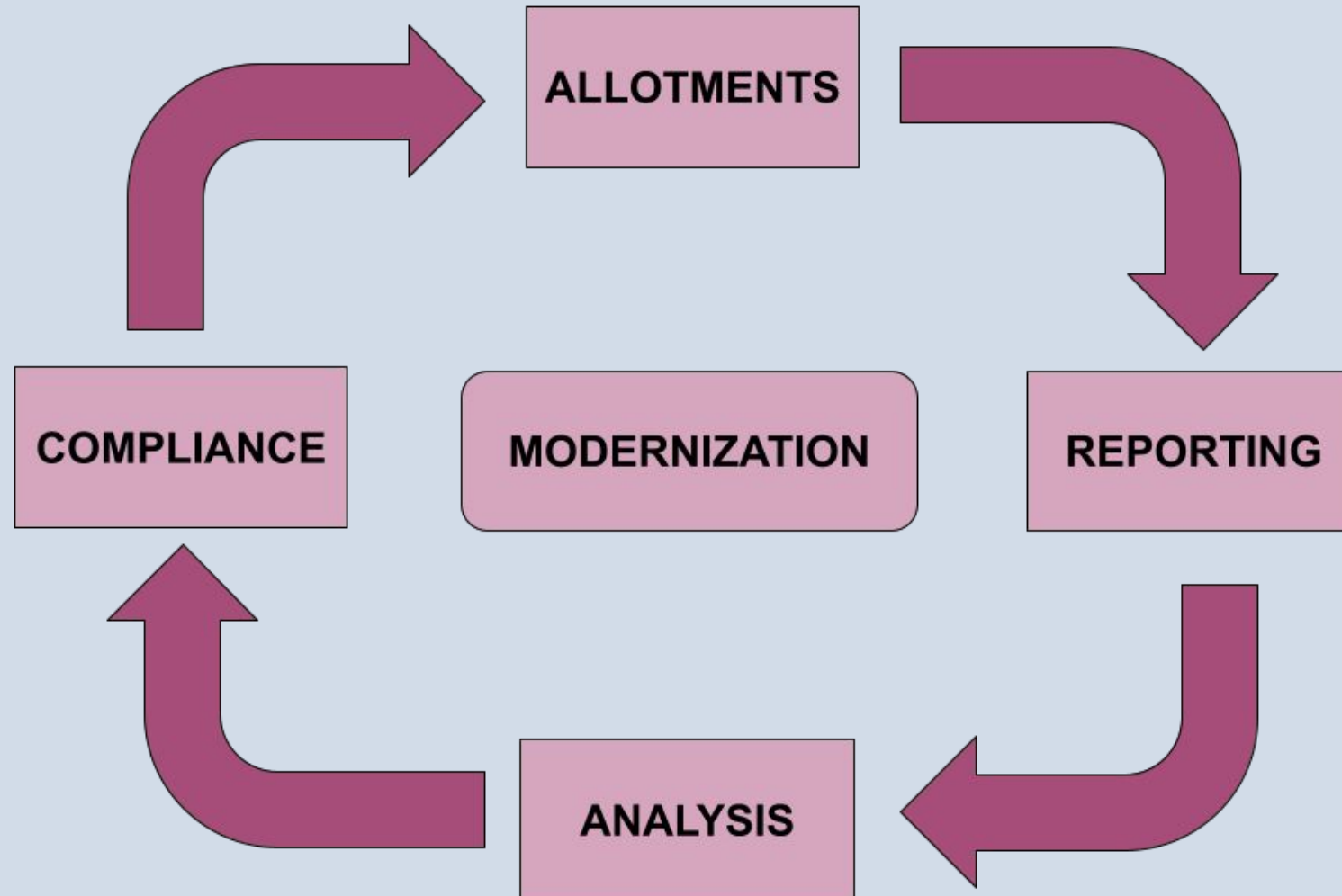
MODERNIZATION

Old Process
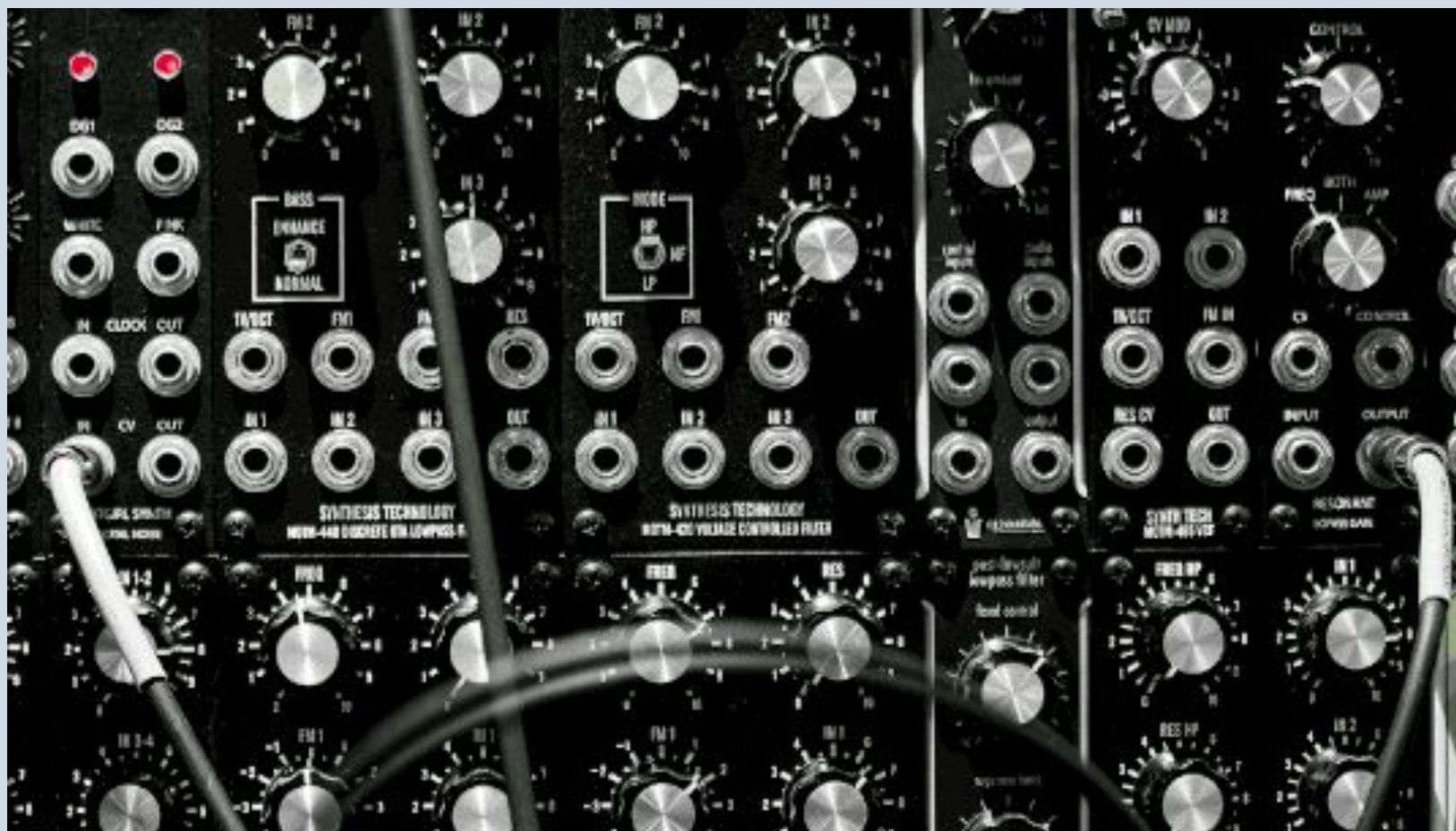
Previous Setup

Turn and Talk:

If the previous image represents the current process for collecting and reporting data, what would it look like after modernization?

What would be some characteristics or some upgrades you would expect to see in a modernized data collection and reporting system?

Goals:

- Provide data updates in real time
- Automation
- Simplify
- Increase agility
- Improve efficiency
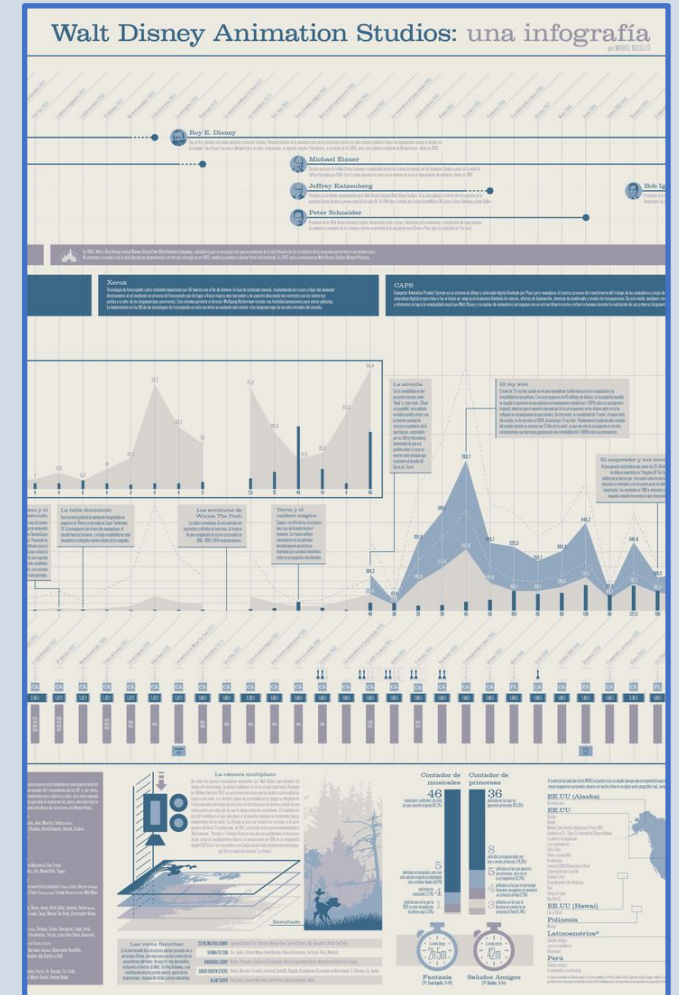- Improve accuracy
- Meet stakeholder needs

Modernization

- Replace MSA – Greenscreen System

- Replace Mainframe Cash Process for getting PSUs their cash from appropriated funds

- Upgrade reports and analytics to take advantage of modern technology

- Enable SBS to meet all reporting, analysis, and transactional responsibilities

- Enable NCDPI to respond dynamically to rapidly changing environments

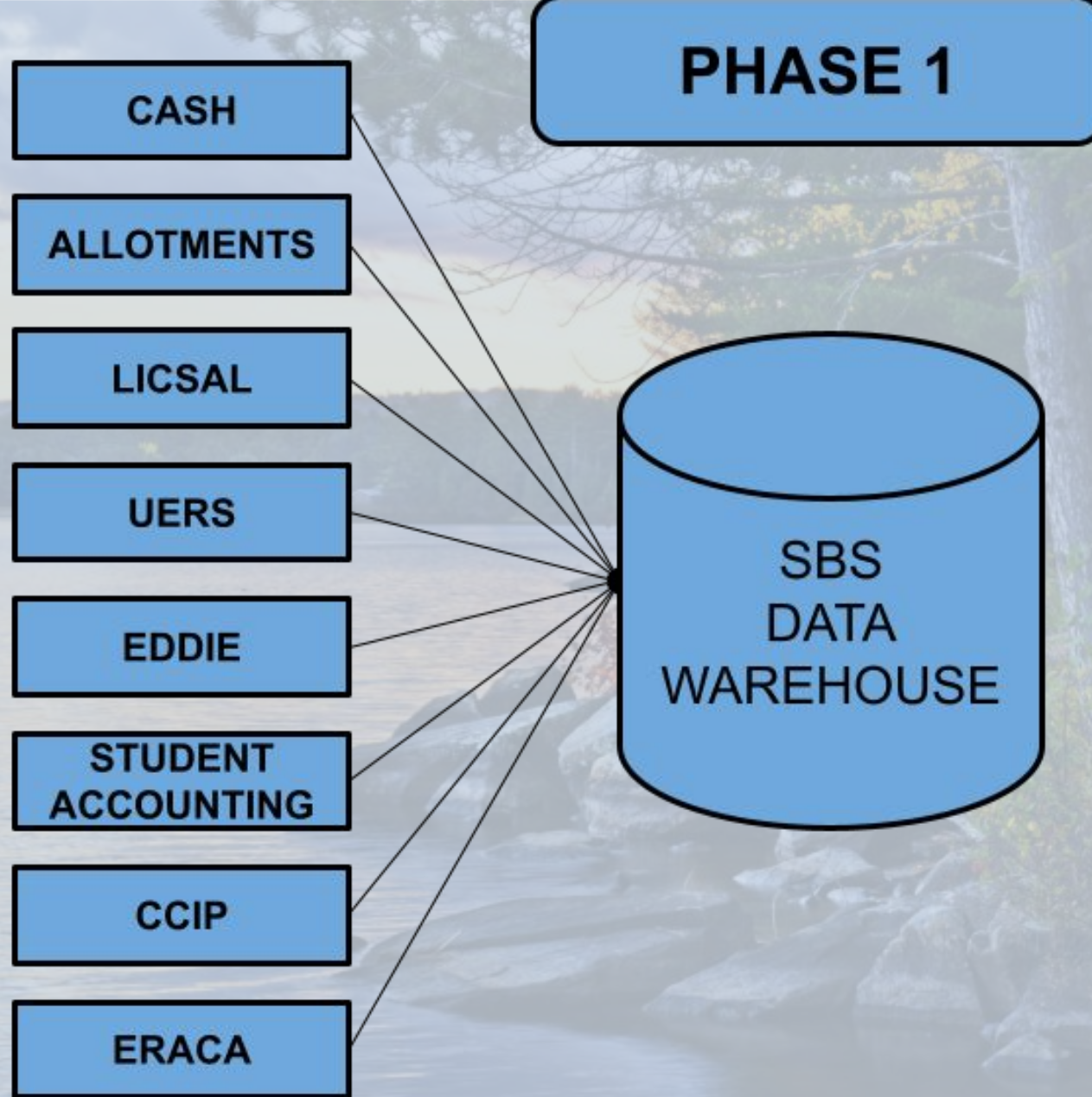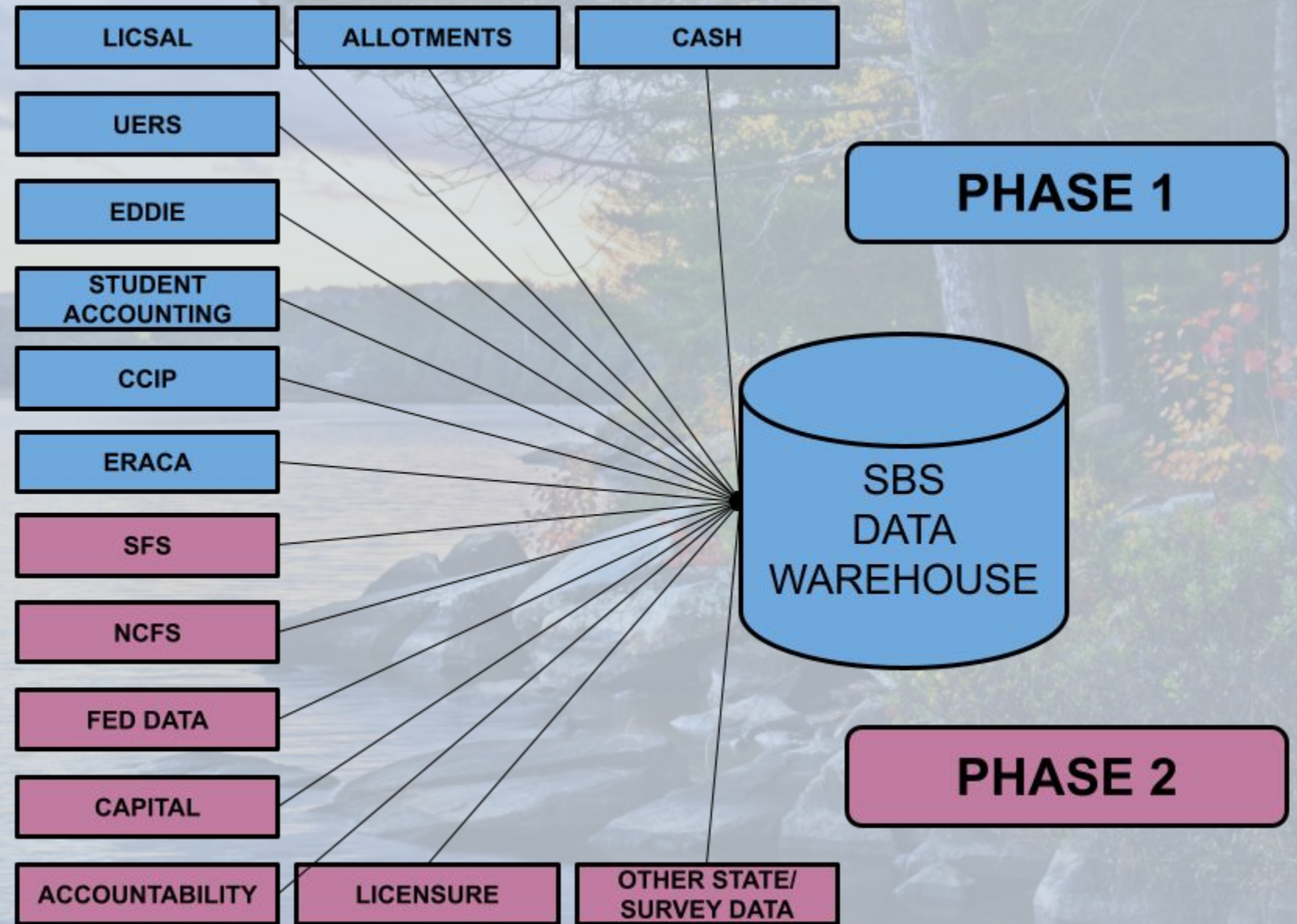Walt Disney Animation Studios: una infografía
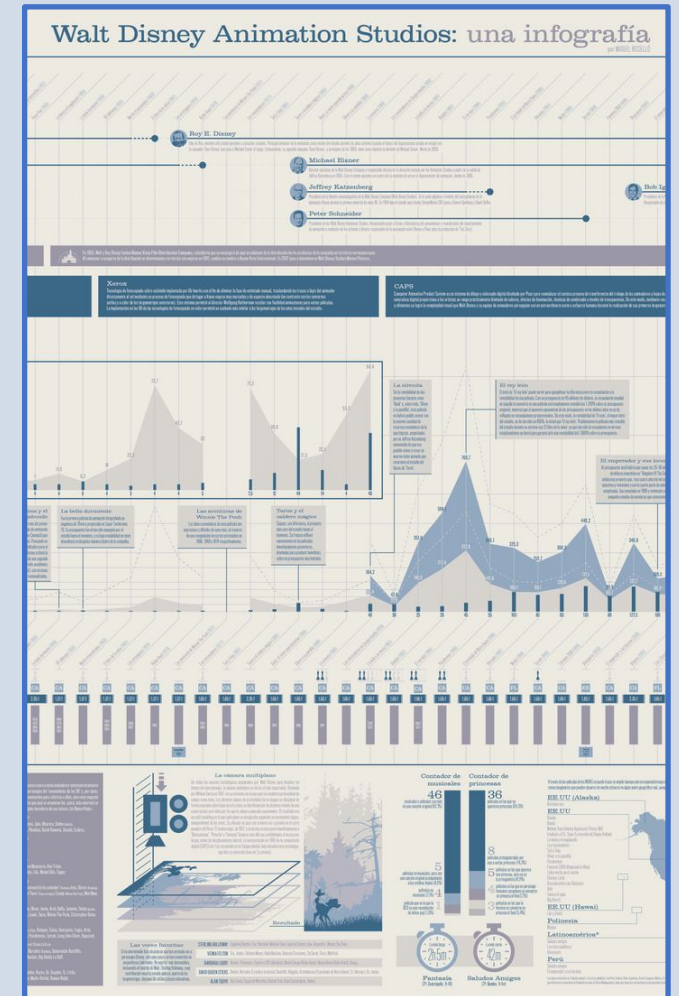
Modernization

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- **Upgrade reports and analytics to take advantage of modern technology**

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INPUT DATA: PHASE 1

PHASE 1

CASH
ALLOTMENTS
LICSAL
UERS
EDDIE
STUDENT ACCOUNTING
CCIP
ERACA

SBS DATA WAREHOUSE

INPUT DATA: PHASE 2

LICSAL
ALLOTMENTS
CASH
UERS
EDDIE
STUDENT ACCOUNTING
CCIP
ERACA
SFS
NCFS
FED DATA
CAPITAL
ACCOUNTABILITY
LICENSURE
OTHER STATE/ SURVEY DATA

SBS DATA WAREHOUSE

PHASE 1

PHASE 2

OUTPUT DATA:

INPUT DATA → SBS DATA WAREHOUSE →
- CCIP
- NCFS
- ALLOTMENTS
- USED REPORTS
- SFS

DATA VIZ TOOL →
- STATISTICAL PROFILE
- NC HIGHLIGHTS
- PSU VALIDATION REPORTS
- FED PROGRAM MONITORING
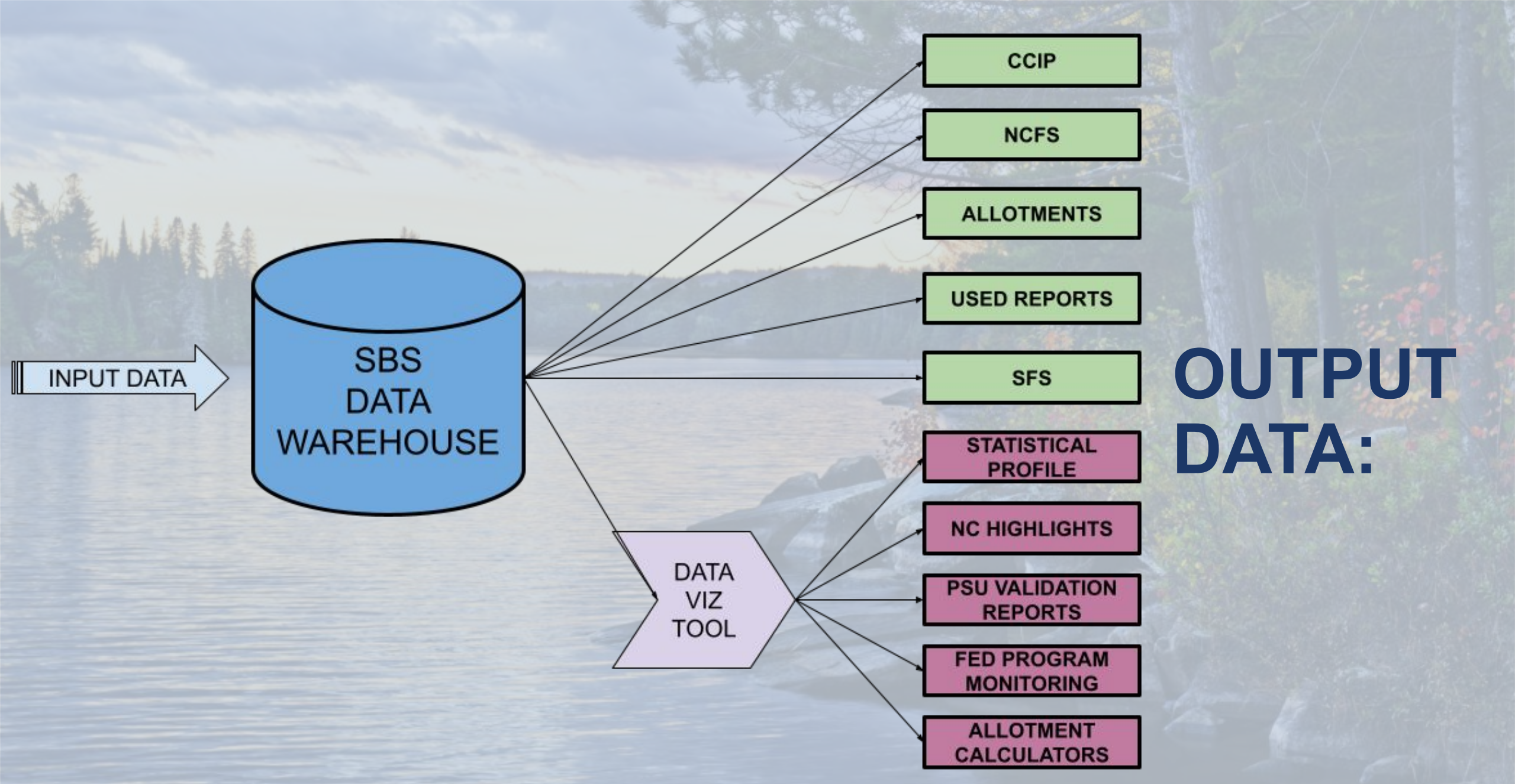- ALLOTMENT CALCULATORS

Exploration:

Imagine after you have explained Funding in Arrears to your superintendent/director and/or school/charter board, you are asked to create a report showing the trends of how your Best 1 of 2 ADM numbers have changed over the last 5-7 years and how that compares to the rest of the state and similar districts.

What would it take to collect the necessary data to complete this report?

Exploration:

1. Best 1 of 2 ADM Data:

Google – NCDPI Best 1 of 2 – Usually the first result

Issues with current process

- 7 files
- Charters, LEAs, Regional, and Labs in different tabs
- Inconsistent Column Headers across different years
- Inconsistent Names
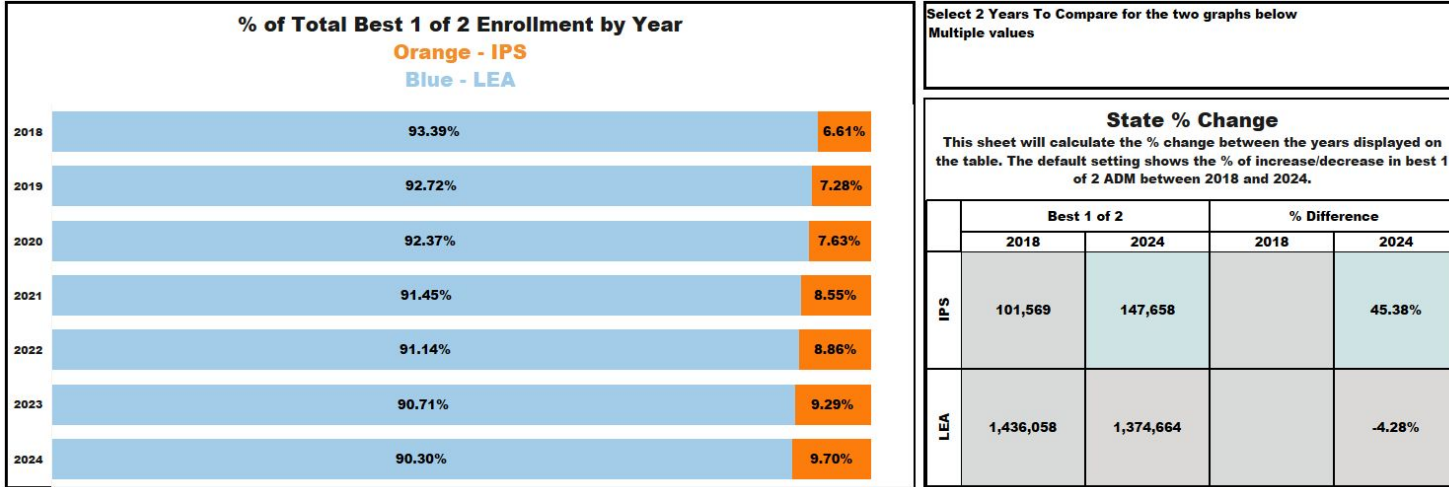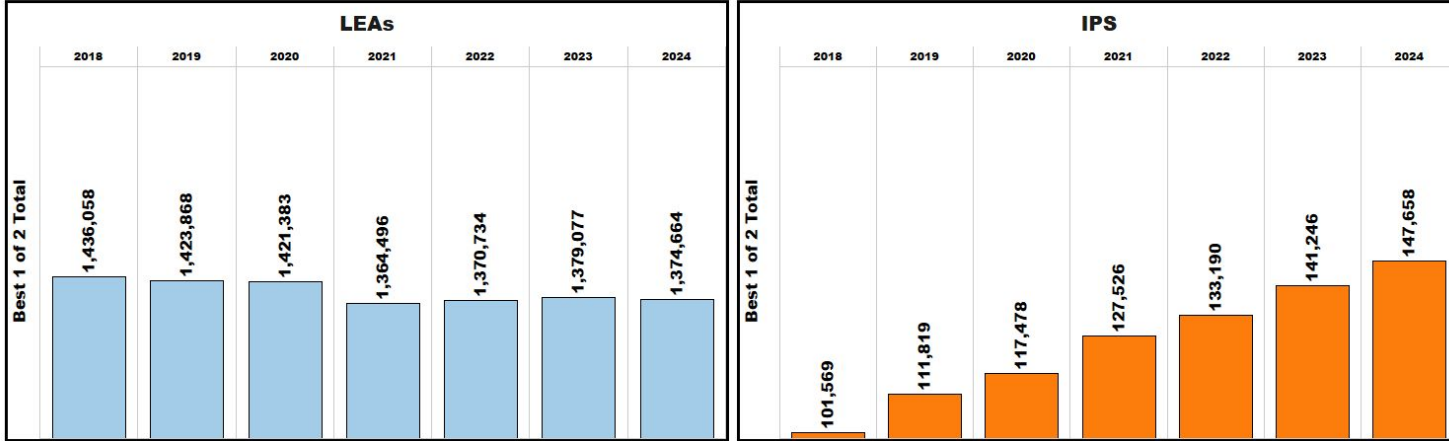- 351 different PSUs creating a similar report

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Modernization

- Best 1 of 2: https://shorturl.at/gSm3h

Other Views

REMAINING BALANCE - ONE P... | PSU - ALL PRC Remaining Bala... | OBJECT CODE

PSU - % Expenditures By Object Code
010: Alamance-Burlington Schools

Purchased Services
3.46%
7,477,629

Employer Provided Benefits
25.46%
55,026,210

Supplies and Materials
4.37%
9,453,436

Capital Outlay
8.30%
17,934,266

Salaries
58.41%
126,249,040

Object Code (group)
- Purchased Services
- Supplies and Materials
- Salaries
- Employer Provided Benefits
- Capital Outlay
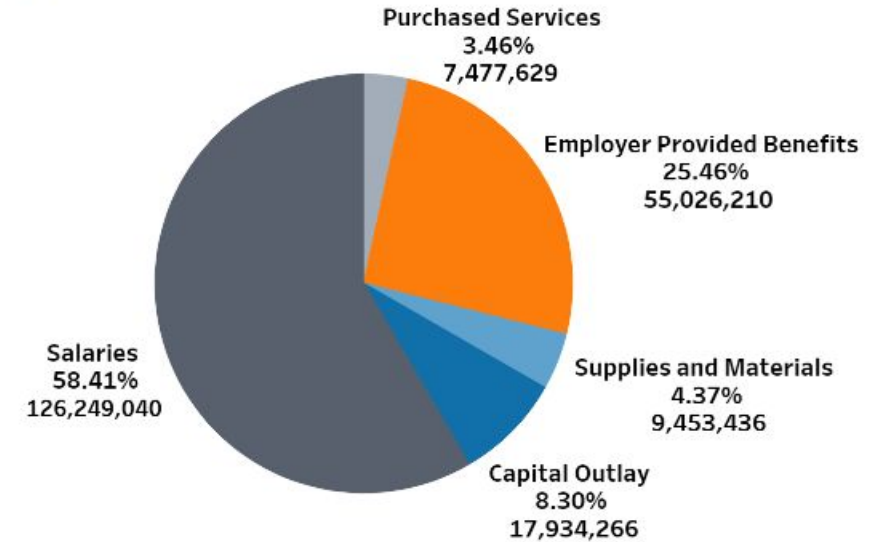
PSU - OBJECT CODE GROUPS by PRC
010: Alamance-Burlington Schools

Prc Code	Prc Description		Salaries	Employer Provided Benefits	Purchased Services	Supplies and Materials	Capital Outlay	Grand Total
Grand Total		% of Total Ytd Balance	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
		Ytd Balance	126,249,040	55,026,210	7,477,629	9,453,436	17,934,266	216,140,581
001	Classroom Teachers	% of Total Ytd Balance	31.64%	33.92%				27.11%

Data Privacy

PUBLIC –	LOGIN -	DPI ONLY –
• No Login • Anyone can see • No PII	Just Your PSU Every PSU	Internal Reporting Only

Google Form for Feedback:

Questions?

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