OPTIMIZING EDUCATION DATA SYSTEMS

Use this infographic to learn more about optimizing data systems

Please visit relpacific.mcrel.org/resources/ODS-infographic for a list of resources used to make this infographic.

Click on the section titles to read more!*

ies NATIONAL CENTER FOR EDUCATION EVALUATION AND REGIONAL ASSISTANCE
Institute of Education Sciences

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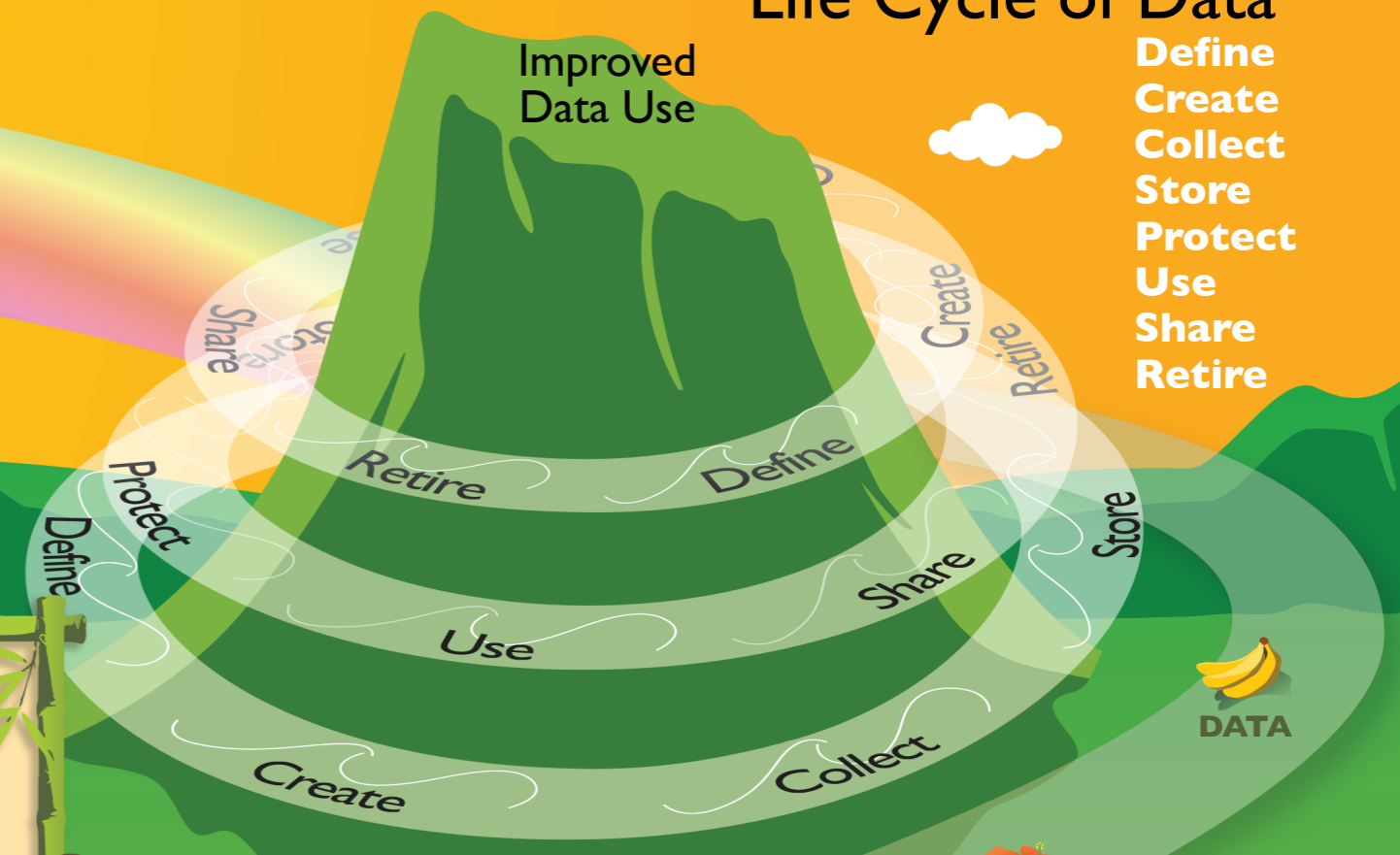At Mid-continent Research
for Education and Learning

10 Actions for Effective Data Use*

1. Link data systems
2. Create stable, sustained support
3. Develop governance structures
4. Build state data repositories
5. Implement systems to provide timely access to information
6. Create progress reports using individual student data to improve student performance
7. Create reports using longitudinal statistics to guide systemwide improvement efforts
8. Develop a P–20/workforce research agenda
9. Promote educator professional development and credentialing
10. Promote strategies to raise awareness of available data
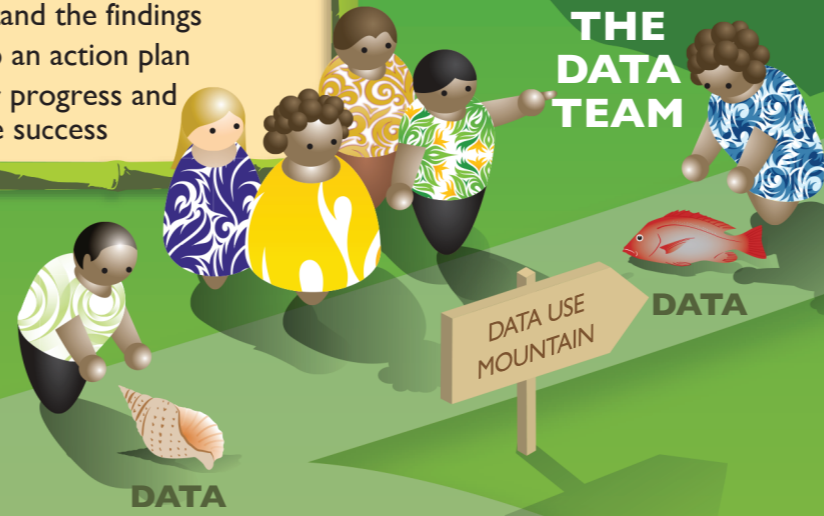
The Repeating Life Cycle of Data*

Improved Data Use

Define
Create
Collect
Store
Protect
Use
Share
Retire

Retire · Define · Store
Protect · Use · Share
Define · Create · Collect

DATA
DATA

DATA SYSTEM

10 Essential Elements of a Data System*

- Statewide student identifier
- Student-level test data
- Ability to match student-level P–12 and higher education data
- State data audit system
- Student-level graduation and dropout data
- Student-level SAT, ACT, and Advanced Placement exam data
- Information on untested students
- Statewide teacher identifier with a teacher-student match
- Student-level course completion (transcript) data
- Student-level enrollment data

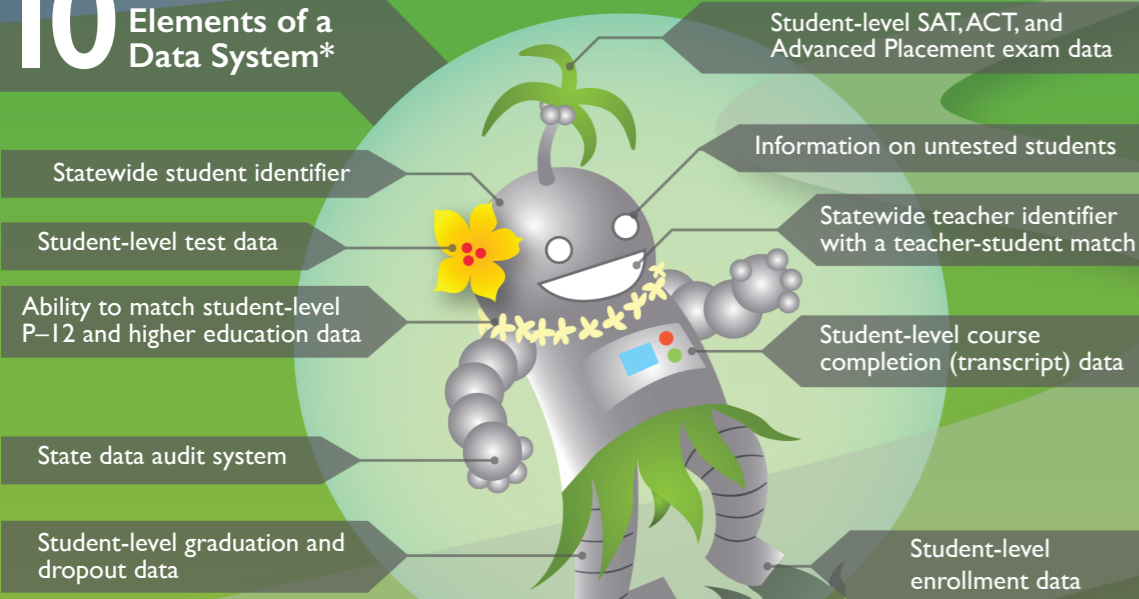## 5 Steps for Structuring Data-Informed Conversations and Action in Education*

1. Set the stage
2. Examine the data
3. Understand the findings
4. Develop an action plan
5. Monitor progress and measure success

THE DATA TEAM

DATA USE MOUNTAIN

DATA

DATA

ASSUMPTIONS
DO NOT ENTER

2 Types of Data*

Formative Data: tells you where you're going on the map. These data will inform immediate decision-making.

Summative Data: tells you how far along you've come to reaching your goal. These data often inform the next round of longer-term decision-making.