New Paradigms for Broadband Data

Building the Fact Base:
The State of Broadband Adoption and Utilization

Federal Communications Commission

Kate Williams – August 19, 2009

Proposing a data paradigm shift

Individual use —

       Social use

Collecting data after use —

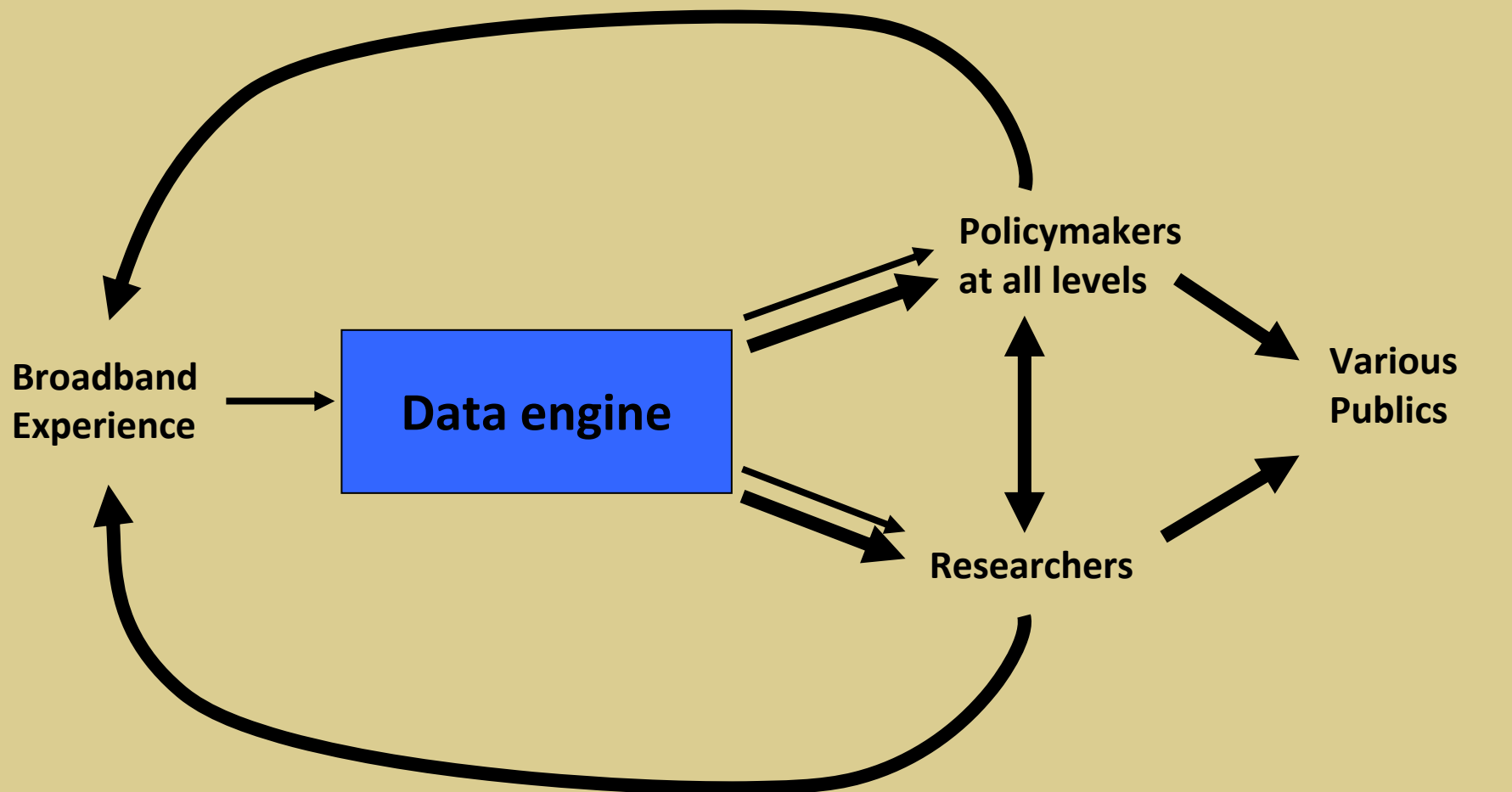   **Collecting it at the time and place of use**

Researchers disseminate findings to others —

       Many parties generate, use findings
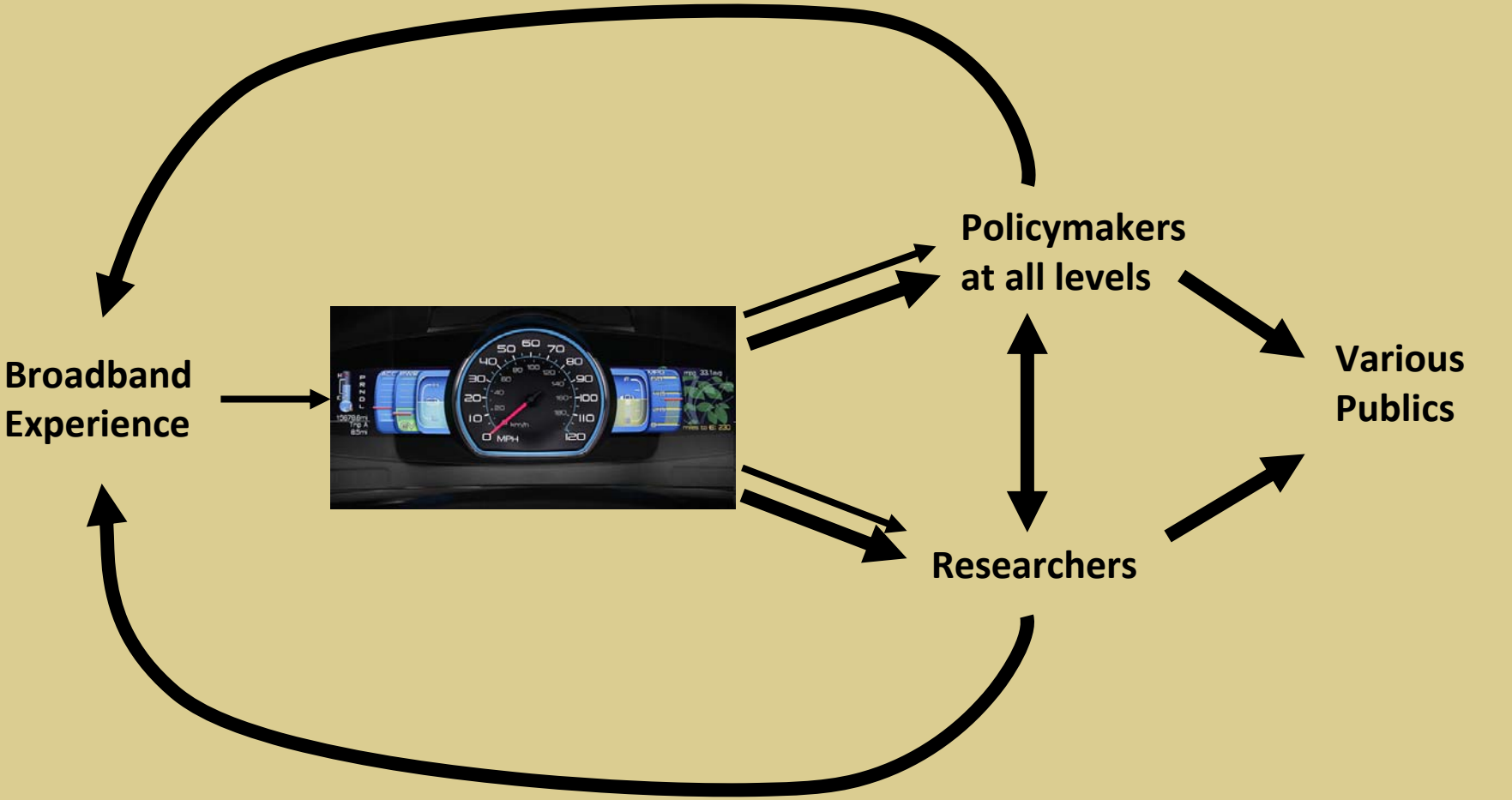
Data and analysis is proprietary —

       Data commons

University of Illinois at Urbana-Champaign

Data Engine for Policy and Research, DEPR

Broadband Experience

Data engine

Policymakers at all levels

Researchers

Various Publics

Scientific community

Data → Analysis →

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BTOP Programs Using DEPR

The DEPR team:

1. works with programs to **identify/harvest data** that programs decide to collect in order to do their work,

2. combines that data with **analytical tools** (GIS, text mining, statistics, automatic report generation, visualizations),

3. provides that data+tools package **back to program managers via a structured online interface**, and

4. **offers a researcher's analysis** of that same data.

katewill@illinois.edu