

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

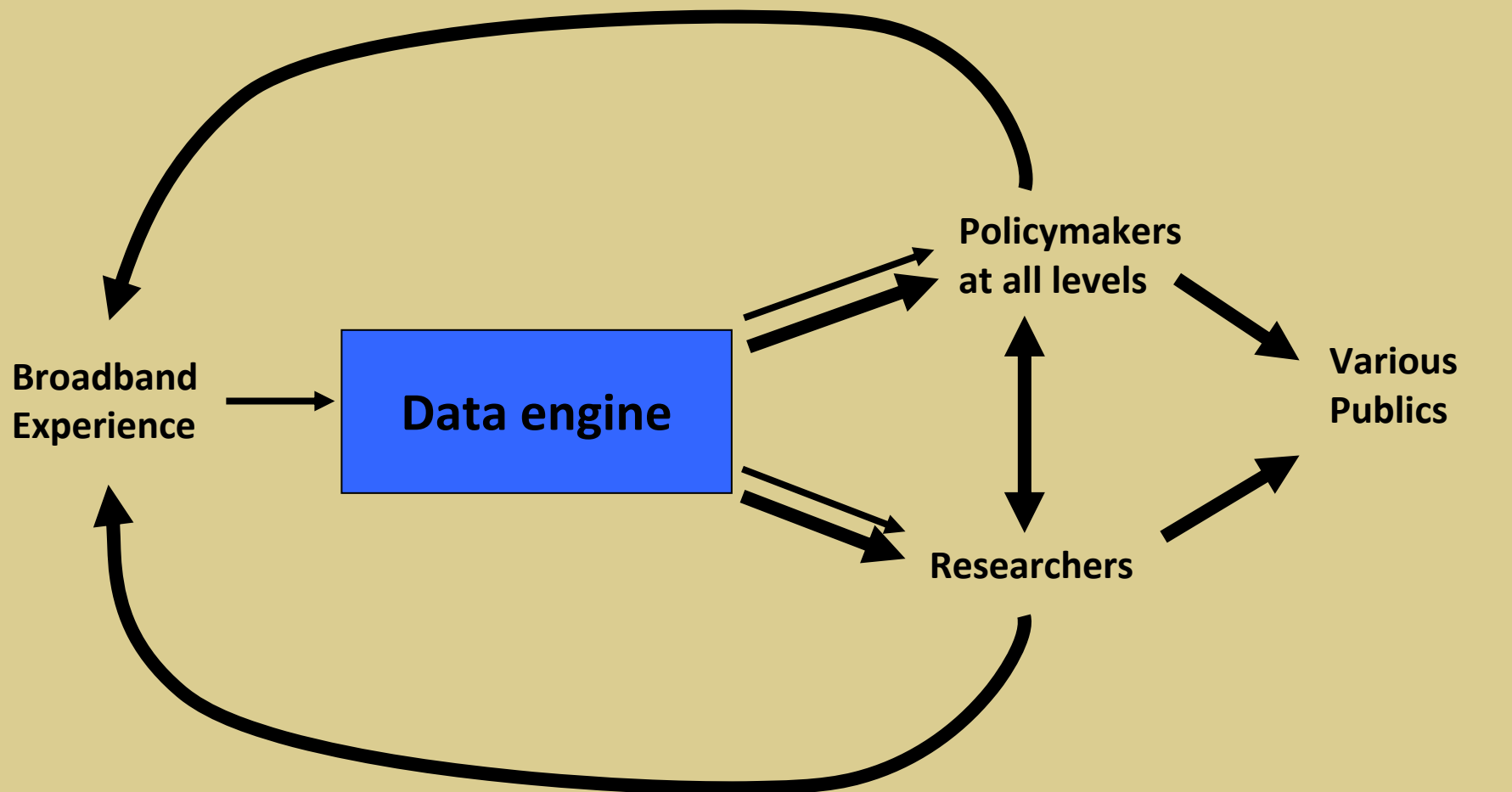
Researchers disseminate findings to others —

Many parties generate, use findings

Data and analysis is proprietary —

Data commons

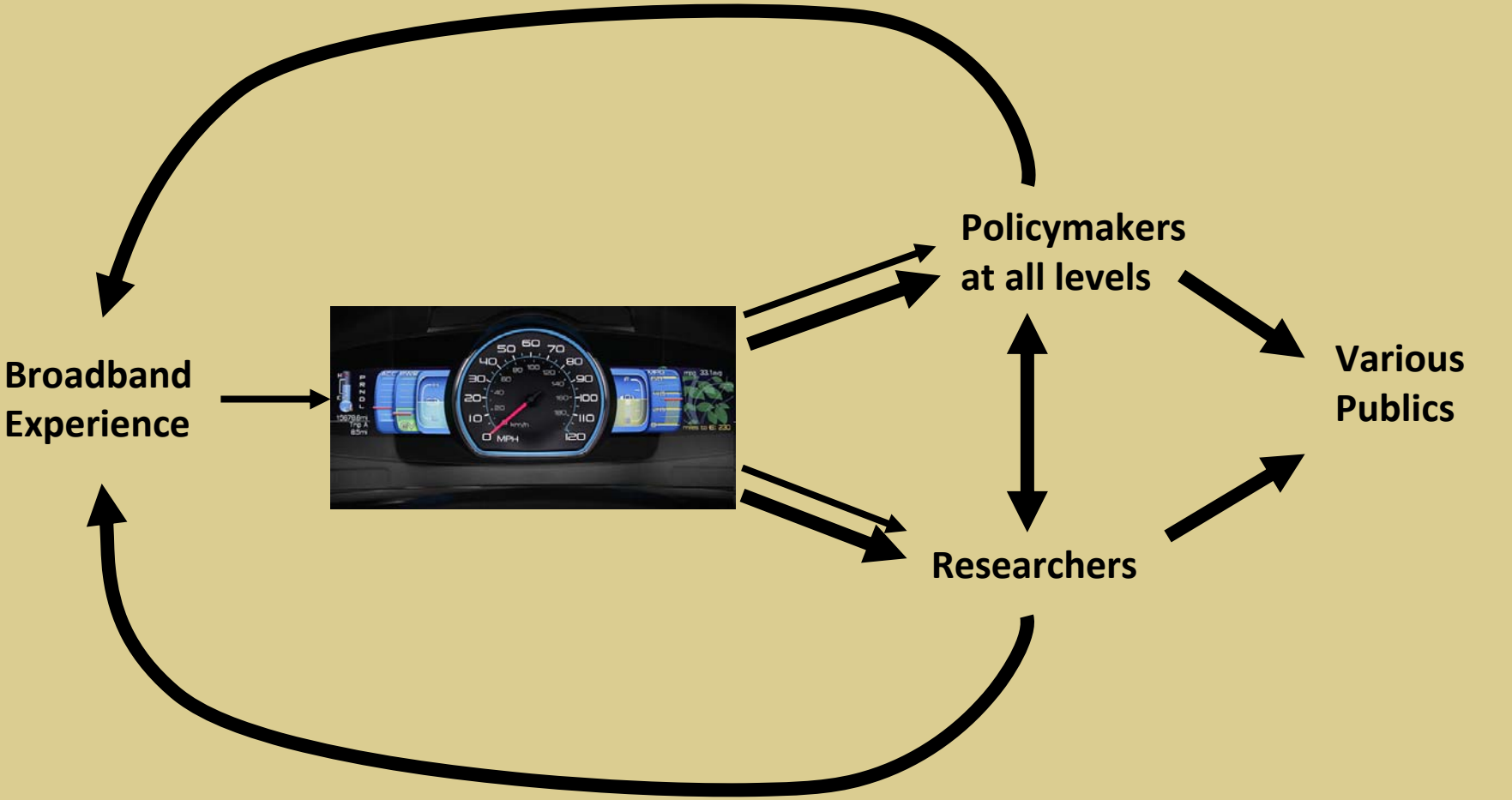
Data Engine for Policy and Research, DEPR



→ Data → Analysis

Scientific community

Data Engine for Policy and Research, DEPR



Scientific community

→ Data
→ Analysis

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.



provider
service
broadband
area
may
another
transmission
equipment
local
company
county

program maximum types E-rate town speed less want Getting libraries unable telephone rights schools action fine fiber
necessary subsidizes applied actual several utility members potential courses even depend usually speeds can available serve Broadband among building
provider's able information compatibility utility members potential courses even depend usually speeds can available serve Broadband among building
promotions ordering obtaining compatibility utility members potential courses even depend usually speeds can available serve Broadband among building
satellite differences Check video receive another regarding equipment problems conditions DSL pre-subscribe work electrical attractive county mayor making
home many factors one find services offer check provide library experience pleased contract receiving print attract stated
expensive choose Contact community officials aware federal cable cost

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