



CAMPUT 2022 | Deep Dive into Disruption

Empowering Dynamic Digitalization: View from U.S. Utility Regulators

Kiera Zitelman

Technical Manager, National Association of Regulatory Utility Commissioners

May 4, 2022

About NARUC

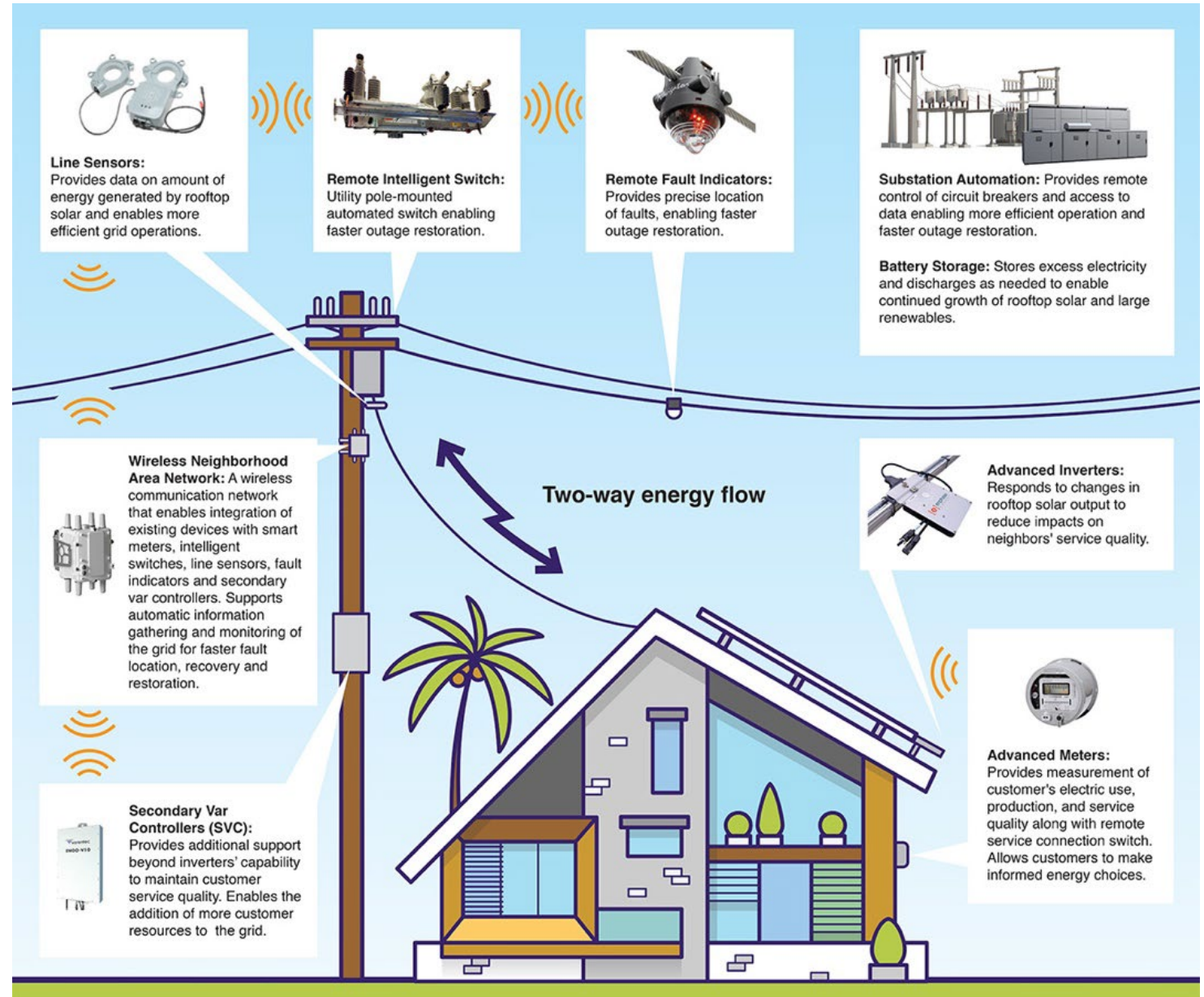
- Non-profit membership association for U.S. public utility commissions in all 50 states, DC, and territories
- Mission: to serve the public interest by improving the quality and effectiveness of public utility regulation
- Center for Partnerships & Innovation is a grant-funded technical assistance office for NARUC members



Key Terms

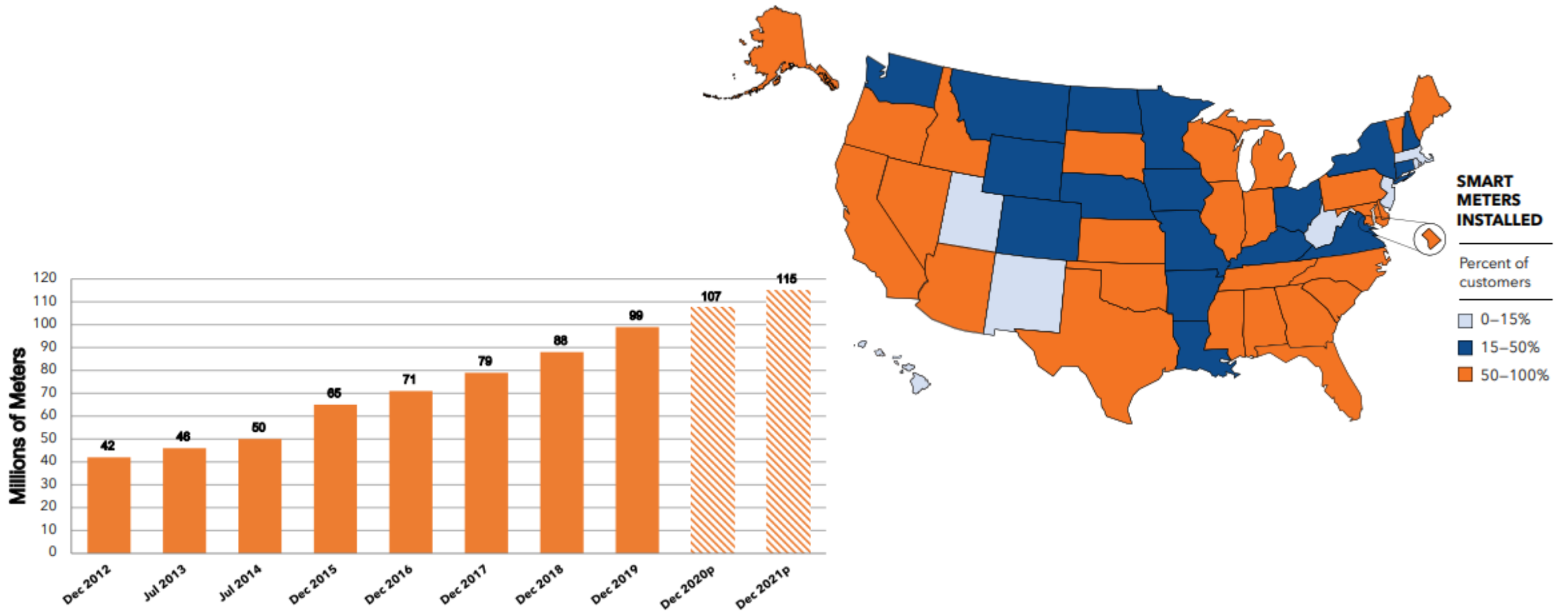
- Digitalization
- Intelligence
- Flexibility
- **Efficiency**

Digitalization Visualized

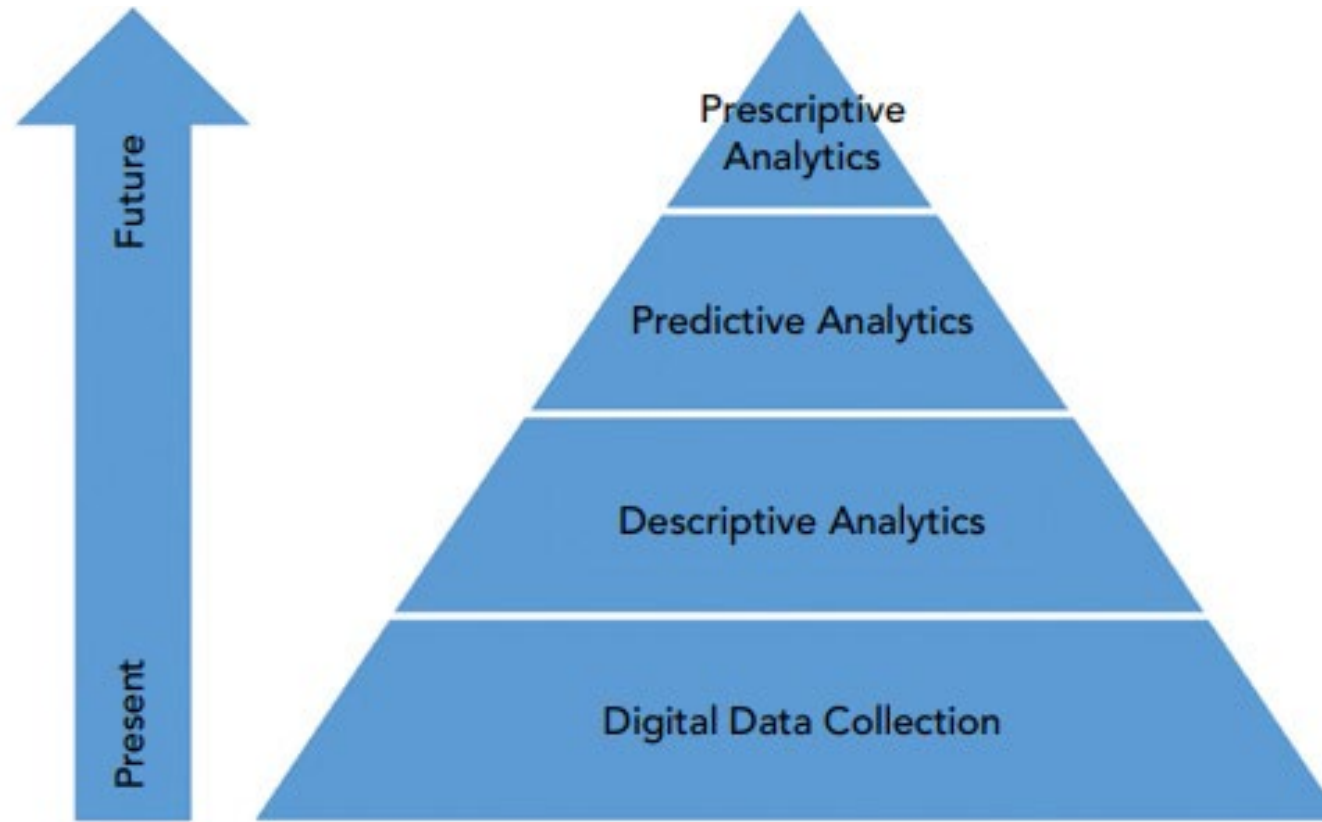


Smart Meters Cover ~75% of Households

Figure 2. Smart Meter Deployments by State, 2019 (% of Customers)

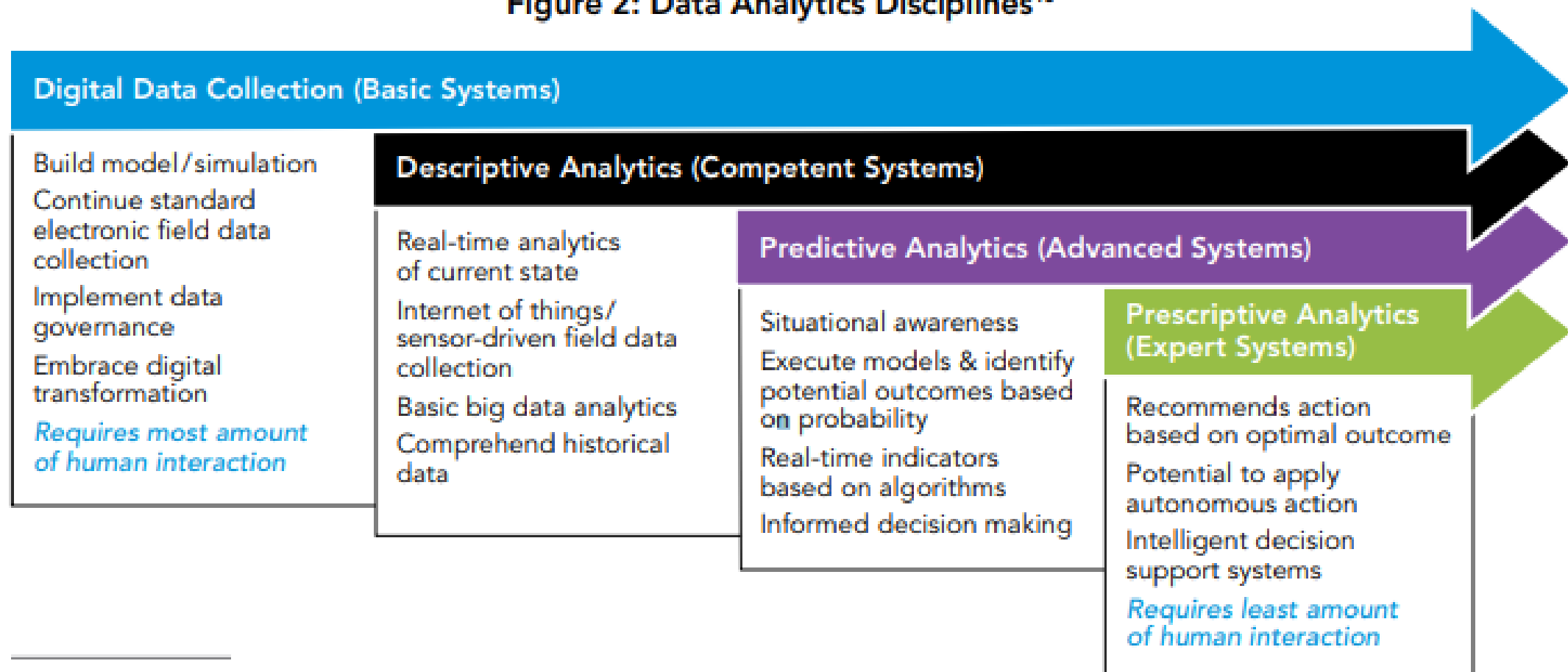


From Data Collection to Action



Data Analytics Disciplines

Figure 2: Data Analytics Disciplines¹³



Electric Utility Examples

- Customer programs
 - Energy dashboards
 - Pricing plans
 - Demand response
- System reliability
 - Wildfire early detection and mitigation
 - Vegetation management
 - Distribution system management

Gas Utility Examples

- Damage prevention
- Infrastructure replacement
- Customer engagement and efficiency programs

Challenges

- Workforce
- Cost recovery
- Data quality, access, and governance
- Cybersecurity
- Bias



Thank You

Kiera Zitelman, Technical Manager

NARUC Center for Partnerships & Innovation

kzitelman@naruc.org

www.naruc.org/cpi

