Electric Power Research Institute

Pat Brown, Jerry Gray, Randy Rhodes, Steph Amsbary, Scott Sternfeld, Karen George, Chris Kotting

EPRI

Electric Power Research Institute (EPRI)

Who we are

- A US not-for-profit organization active around the world
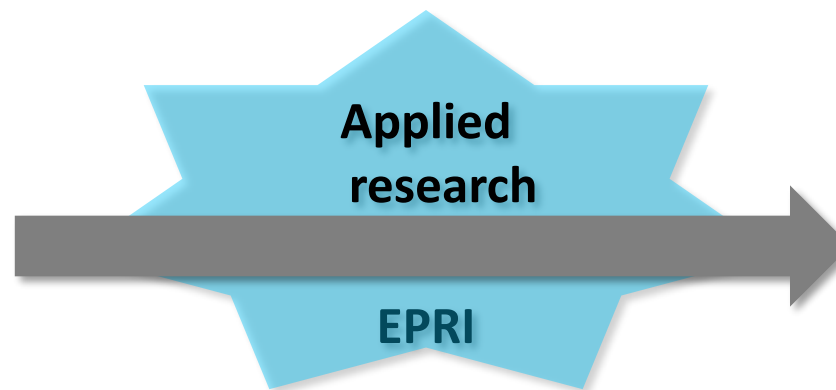
Our mission

- "Advancing safe, reliable, affordable and environmentally responsible electricity for society through global collaboration, thought leadership and science & technology innovation."

Where we focus

Theoretical research
Universities & Labs

Applied research

EPRI

Product commercialization
Vendors

Electric Power Research Institute (EPRI)

Who we are

- 4 sectors

  - Environment

  - Generation

  - Nuclear

  - Power Delivery & Utilization

    – Transmission Lines & Substation

    – Grid Operations & Planning

    – Distribution

    – Energy Utilization

    – Information Communication & Cyber Security

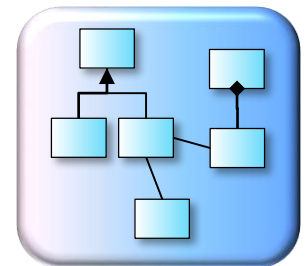# Electric Power Research Institute (EPRI)

Who we are

- Member funded
  - Base research
  - Focused research projects

- ICT Staff involved in CIM
  - John Simmins – WG14 jsimmins@epri.com
  - Gerald Gray – WG14, WG19 ggray@epri.com
  - Pat Brown – WG13 pbrown@epri.com
  - Stephan Amsbary – WG14 samsabry@epri.com
  - Randy Rhodes – rrhodes@epri.com
  - Scott Sternfeld – ssternfeld@epri.com

Electric Power Research Institute (EPRI)

EPRI and CIM – a long and productive relationship

- CIM grew out of EPRI Operator Training Simulator
- Growth thru EPRI projects
  - CIM for Planning
  - CIM for Dynamics
  - CIM for Environmental Data
  - CIM for Asset Health
  - DER group modeling
- IEC TC57 WG Membership
  - WG13 since its inception
  - Current member of WG14, WG19
  - Utility voice in standards development
- Historic support for CIM InterOps
- Integral player in formation of UCAI

Electric Power Research Institute (EPRI)

Current EPRI CIM-Related Initiatives

- **Education & Outreach**
  - **Deliverables (available at www.epri.com)**
  - **CIMug support (Process Group)**

- **Research Work**
  - **Network model management**
  - **Asset health modeling (CIMug Asset Health Focus Community)**
  - **DER integration**
  - **Augmented reality**

- **Projects**
  - **Outage Data Initiative**
  - **Distribution GIS & Grid Model Data Management**
  - **ICT & Security Architecture for DER Integration**
  - **Enterprise Architecture Collaboration Group**
  - **Assessing Augmented Reality for the Electricity Industry**

Together...Shaping the Future of Electricity