

RIC 2004

Fire Protection, Session T14

RES INTERACTIONS

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INTERACTIONS CRITICAL TO PRODUCTS

- **Internal interactions**
 - Clarify need and use of product
- **External interactions**
 - Broaden knowledge
 - Challenge our perspective



INTERNAL INTERACTIONS

- **Informal discussion lays groundwork**
 - **Periodic meetings**
- **Formal identification of need resolves issues**
 - **User Need**
 - **Fire Risk Research Plan**
- **Communication as project evolves**
 - **Regional counterpart phone call (as needed)**



DOMESTIC COLLABORATIONS

- **EPRI**
 - **State-of-art fire risk analysis methods, tools, and data**
 - **Deliberation between EPRI and RES**
 - **Feedback from licensees, NRR**
 - **Fire model verification and validation**
- **National Institute of Standards Technology**
 - **Fire testing**
 - **Researcher assignment**
- **ANS Fire Risk Standard**



INTERNATIONAL COLLABORATIONS

- **International fire model benchmarking**
- **Institut de Radioprotection et de Surete Nucleaire (IRSN) collaboration**
 - **Multi-compartment fire testing**
 - **Data sharing**
- **Circuit analysis – Cooperative PRA Group (COOPRA)**
- **Fire events database – Organisation for Economic Co-operation and Development (OECD)**



COMMUNICATION OF PRODUCTS

- **Conferences**
 - NEI Fire Protection Information Forum
 - Probabilistic Safety Assessment and Management (PSAM)
- **Workshops and training**
 - Circuit analysis
 - Fire modeling (EPRI/NRC)
 - FRA methods planned (EPRI/NRC)

