Application to Membership in PRAGMA by Pervasive Technology Institute and Data To Insight Center
Indiana University
Bloomington, Indiana USA

Professor Beth Plale
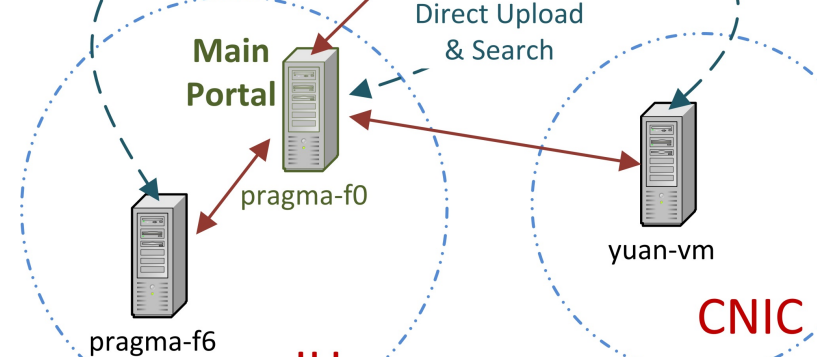
Pervasive Technology Institute (PTI) and Data To Insight Center

- PTI at Indiana University pairs fundamental academic research with university high performance computing (petascale) and large scale network management (including Transpac). Plale, PTI Managing Director

- Data To Insight Center (Plale, Director), a research center in PTI. $1.2M year budget, PhD students, staff, postdocs. Connections to IU library.
  - Research: *policy and technical advancements for scientific data sharing, metadata and provenance capture, data analysis at scale (mapReduce, cloud computing), data repositories, and workflow systems.*

History with PRAGMA

- Key role first demo of biodiversity interoperability in PRAGMA, demo PRAGMA 23
- Additional participation
  - Invited talk and poster *PRAGMA 19* Changchun, China
  - Poster *PRAGMA 20* Hong Kong
  - Talk in biodiversity workshop *PRAGMA 22* Melbourne, AU, and poster and demo
  - Demo and poster, student leadership in student poster session, *PRAGMA 23* Seoul, South Korea
  - Student leadership *PRAGMA 24*

IU ongoing contribution to PRAGMA

- Lakes thrust and biodiversity thrust involvement:
  - issues of data provenance and attribution in long-lived trusted PRAGMA cloud
- Networking optimization
- Develop PRAGMA student group:
  - Yuan, Meilan, and Uma have done great job with startup
  - Align student research with PRAGMA practice and experience
  - Student opportunities and funding

Finally …

- We are interested in hosting an upcoming PRAGMA workshop in beautiful Bloomington, Indiana. Ideally in October when deciduous trees are in full color.