**Applications Community Commercial HPC Companies** Industrial Users **US** Agencies

**Stakeholder Engagement** 

Stakeholders:

Computing Facilities: **ALCF NERSC OLCF** 

DOE

**CRLC:** Computational **Research Leadership** Council: ANL, BNL, LBNL. LLNL. LANL. ORNL, PNNL, SNL

**PESO Advisory Board** Reps from ANL, LBNL. LLNL. LANL, ORNL, SNL

S3C Consortium PESO, COLABS, CORSA, OASIS, STEP, SWAS, S4PST

**DOE Program Managers** ASCR: Hal Finkel. Ben Brown. Saswata Hier-Majumder, Robinson

Pino, Bill Spotz, David Rabson NNSA: Si Hammond

# **PESO:** Partnering for Scientific Software Ecosystem Stewardship Opportunities

Mike Heroux, SNL - PI Lois Curfman McInnes, ANL - Co-PI

### **PESO Partnerships**

**Partnerships Coordinator** 

(Mike Heroux, SNL) (Terece Turton, LANL)

Strategic engagement with consortium partners, applications, facilities, industry and agencies (in collaboration with and co-funded by SSOs)

- William Godoy, ORNL, On-node programming systems (w. S4PST) • Rajeev Thakur, ANL, Inter-node programming systems (w. S4PST)
- Sameer Shende, Univ of Oregon, Tools (w. STEP)
- Sherry Li, LBNL, Math libraries (w. OASIS)
- Berk Geveci, Kitware, Data and viz (w. OASIS)
- Lavanya Ramakrishnan, LBNL, Workflows (w. SWAS)
- Mahantesh Halappanavar, PNNL, AI/ML (w. OASIS)
- Unfunded partners: Strategic engagement with NNSA, communities of practice, applications, facilities, industry, agencies
- David Bernholdt, ORNL, RSE engagement (funded by COLABS)
- Addi Malviya-Thakur, ORNL, Foundation engagement (funded by CORSA)
- Elaine Raybourn, SNL, Consortium-wide community development (funded by CORSA)
- Ulrike Yang, LLNL, NNSA software (funded by NNSA)
- Partners at ALCF, NERSC, OLCF (funded by facilities, SW integration)

### **Broadening Participation** Initiative

**Community Development** 

(Lois Curfman McInnes, ANL)

• Mary Ann Leung, Sustainable Horizons Institute, PIER planning, lead of Sustainable Research Pathways (SRP)

• Daniel Martin, LBNL, lab lead of

Sustainable Research Pathways • Suzanne Parete-Koon, ORNL, lead of HPC Workforce

Development and Retention

Action Group

- **Better Scientific Software** (BSSw) Fellowship Program
- Elsa Gonsiorowski, LLNL, Coordinator of BSSw Fellowship Program
- Erik Palmer, LBNL, Deputy Coordinator of BSSw Fellowship Program

### **PESO Services**

(Jim Willenbring, SNL) Software portfolio management and integration (in collaboration

**Integration Coordinator** 

- with and co-funded by SSOs) • Damien Lebrun-Grandie, ORNL,
- On-node prog systems (w. S4PST) • Hui Zhou, ANL, Inter-node
- programming systems (w. S4PST) • Bill Hoffman, Kitware, Tools (w. STEP)
- Satish Balay, ANL, Math libs (w. OASIS) • Patrick O'Leary, Kitware, Data & viz
- (w. OASIS) • Matteo Turilli, BNL, Workflows
- (w. SWAS)
- Sam Browne, SNL, NNSA software (funded by NNSA)

#### **SQA & Security** (David Bernholdt, ORNL)

- Ross Bartlett (SNL)
- Berk Geveci (Kitware)
- Jim Willenbring (SNL)

## **PESO Products**

(Sameer Shende, U Oregon) • Luke Peyralans, Erik Keever,

E4S

Wyatt Spear, Jordi Rodriguez

Spack (Todd Gamblin, LLNL)

- Greg Becker, LLNL
- Tammy Dahlgren, LLNL

### **Port & Test Platforms** (Gamblin & Shende)

- - In partnership with Univ of Oregon, Cloud, etc.

# **BSSw.io Content** (w. COLABS)

- Ross Bartlett, SNL
- Keith Beattie, LBNL
- Patricia Grubel, LANL
- Mark Miller, LLNL