

# Louisiana EPSCoR Education and Outreach

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E & O activities are expected to be integrated into the development of the Science Drivers and *CyberTools* components.



# Components of E & O

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- General Public
- K-12
- Undergraduates
- Graduate Students
- Postdoctoral Researchers
- Faculty



# Activities for the General Public

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Coordinated by La EPSCoR:

- Annual state-wide sci-tech conference
- Informational brochures and CDs
- Monthly Newsletter with upcoming events
- *Speaking of Science* series
- Faculty database (searchable)
- *Legislative Day*
- Research modules



# Activities for K-12

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In coordination with CCT

- Extending LONI to Educators
  - Teacher training
- Extending LONI into high schools
  - E-science: Sony Playstations deployed and maintained by students
  - Advanced science portal
    - LIGO portal for gravitational wave simulation and analysis on the LONI grid
    - Storm surge predictions from data to predict surges



# Activities for undergraduates

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Objective: *recruit, educate and mentor them and encourage them to go on to graduate school in science or engineering.*

- Development of new courses
- Academic year projects (senior theses, etc.)
- Summer research opportunities
- Science research day



# Activities for graduate students

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Objective: *provide more comprehensive multi-disciplinary training and provide opportunities to explore cyber-infrastructure/science research.*

- Development of new research topics
- Summer internships (multi-school experiences)
- Multi-institution thesis committees
- Science research day



# Activities for postdocs

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Objective: *provide training in multi-discipline research that complements their Ph.D. fields and increases preparation and marketability.*

- Cross-institutional mentoring
- Multi-disciplinary training
- Travel to conferences



# Activities for faculty

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Objective: *stimulate long-term research competitiveness and to engage Louisiana's population in S&T careers.*

Coordinated by La EPSCoR

- Statewide and regional conferences
- Planning grants, workshops (e.g. grant writing), Pfund, LINK, travel grants, major initiatives
- Efforts to increase minority representation in all activities



# E & O Coordination

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