



## Cyberlearning

*Provides many collaboration opportunities!*

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## Goals and Objectives

- Use CI to Integrate Research with Education
- Build Human Capacity
- Support students in STEM pipeline



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## Major Activities

- Offer and support CI training in computation and climate change
- Develop and disseminate educational materials for MS/HS
- Develop and support extracurricular CI activities
- Develop and deliver Industry CI Days



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## Outputs

Activity	Output Resulting from Activity
Offer and support CI training in computation and climate change	New CI skills for grad stds., post docs & faculty & K-12 teachers; New delivery methods
Develop and disseminate educational materials for MS/HS	New CI-enabled classroom learning materials (e.g., traditional, Web)
Develop and support extracurricular CI activities	New CI-enabled extracurricular learning materials
Develop and deliver Industry CI Days	Outreach to business & industry




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## Outcomes and Metrics

Activity	Outcome Resulting from Activity
Offer and support CI training in computation and climate change	Increased human resource capacity <ul style="list-style-type: none"> <li>•Number of trainees disaggregated by demographics and degree program</li> <li>•Number of trainings disaggregated by type</li> </ul>
Develop and disseminate educational materials for MS/HS	Provide resources to promote increased awareness, skills, and knowledge of CI and STEM content <ul style="list-style-type: none"> <li>•Number of materials developed by category</li> <li>•Number of entities to which materials are disseminated</li> <li>•Number of downloads of materials (e.g., from portal)</li> </ul>




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## Outcomes and Metrics

Activity	Outcome Resulting from Activity
Develop and support extracurricular CI activities	Support STEM pipeline <ul style="list-style-type: none"> <li>•Number of new schools, students and teachers (e.g. GUTS and Super Computing Challenge)</li> <li>•Number of new content modules</li> <li>•Number of programs to which CI information is disseminated</li> </ul>
Develop and deliver Industry CI Days	Provide CI training opportunities for industry <ul style="list-style-type: none"> <li>•Number of participants disaggregated by demographics</li> </ul>




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### Year 1 action plan and progress to date

Activity	Task	Who	Timeline	Progress
Offer and support CI training in computation and climate change	1. Identify training opportunities & participants	<b>NV-Darko</b> (1,2)	1. 12/2009	NV -preliminary list of 19 opportunities (w/ 4 for K-12); Distribution of the final list in progress; Climate Modeling Training planned in 11/2 ID - scheduled and ready for training at tri-state mtg
	2. Communicate training opportunities	<b>ID-Nancy</b> <b>*NM-Lorie</b> *Communication to respective states only	2. 1/2010	
	3. Offer first training at tri-state annual meeting	<b>ID-D. Ames</b> (3)	3. 4/2010	
Develop and disseminate educational materials for MS/HS	1. Setup Web portal	<b>NV-Kent</b> (1-4)	1. 7/2010	NV & ID met several times and identified teams; NV will hold org/info breakout at tri-state mtg
	2. Identify & organize development teams	<b>ID-Nancy</b> (2-3); Sarah	2. 4/2010	
	3. Establish timeline for delivery of materials	<b>*NM-Lorie</b> (1-4)	3. 5/2010	
	4. Develop stakeholder dbase	<b>*Communication to respective states only</b>	4. 7/2010	

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### Year 1 action plan and progress to date

Activity	Task	Who does task	Timeline	Progress
Develop and support extracurricular CI activities	1. Establish development teams and collaborations	<b>NM-Lorie</b>	1. 3/2010	NM-MST teachers identified  NM- working with GLTS & SCC to modify materials to a CC focus
	2. Begin development of materials	<b>*ID - Nancy</b> <b>*NV - Kent</b> *Communication to respective states only	2. 3/2010	

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