

Collaborative safety training and integrative program development

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Collaboration

- Collaborative Norm

Science training naturally includes collaboration.

- Collaborations are often limited

Operational or perceived functional units.



Collaboration can bridge and support

- Collaboration often emerges to meet an immediate need.
- Need Collaboration can launch operational advancement
- Service Collaboration effectively bridges units and jointly advances each.



Institutional Collaboration – Appalachian College Association

- ▶ ACA - Appalachian colleges and universities collaboratives
 - ▶ Technology training and acquisition of resources
 - ▶ Discipline Groups, Project Groups
 - ▶ Institutional component collaborations
- ▶ ChemMIST [started in 1992]–Database & Laboratory Chemical Regulations
- ▶ Instrumentation Collaboratives
- ▶ Instructional Technologies



Institutional Collaboration

ACA - Science Group

- Directed a very successful financial Need Collaboration with joint strength across institutions
- Difficult to assist same success level in other Discipline Groups.
- Successful connection of isolated faculty to extended resources.
- Service Collaboration required training & connected need.

Lassiter, Mark. "Teaching Within the Dilemma—Science Technology and Small College Consortia." Selected Papers from the 10th International Conference on College Teaching and Learning, edited by Jack A. Chambers. Jacksonville, FL: Florida Community College, 1999.




Service Collaborative Success

- ▶ Engaged Collaborators with Bridged Collaborative Commitments
- ▶ Joint understanding of the Collaborative Value
- ▶ Joint Value of Collaborative Exchange
- ▶ Administrative / Supervisory Value
- ▶ Financial Support



Scope of Bridge Collaboratives -Spokes of Integration for Safety

- Professional Organization collaborative services – DCHAS/ChemED
- Graduate Safety Programs
- Personal assistance through networking
- Professional Organizational collaboratives and services – DCHAS professionals extended their services to our campus!!
- HRP Professional Consultant - an example of partnership with EPA – Purpose, Design, Peer/Self Review for joint training and sight visit service to NC campuses.



Scope of Bridge Collaboratives

-Support for operational units


ACA Proposals for Joint Safety Collaborative failed to have Deans support and may illustrate why collaborative across institutions are very difficult to maintain

- Limited applications of Bridged Collaboratives across institutions
- Needed support within operational units and customized application often may limit across institutional bridged collaboratives.
- Most common application of bridged collaboratives are across operational units within an institution.



Example of a proposed Institutional Bridged Collaborative

- ▶ Principle Bridge Collaborators that made launch of Chemical Management Program at Montreat College [very small college with limited resources]
 - ▶ Dr. George Wahl-NCSU mentor, [trainer to all of ACA in 1992] DCHAS, servant to MC, Russ Phifer, DCHAS leader, trainer, servant to MC, Dr. Dirk Wilmoth-VP of Business-support at MC and initiation of HRP/EPA training, Charlie Lance – supervisor initiator of CHO position, Dan Struble-presidential support and operational initiation.
- ▶ MCSHM – MC Safety and Health Management System
- ▶ Current Collaborative and Resource Services – DCHAS/ACS offices



Often safety program components fail to effectively integrate all of the user input possible in a multiple use facility. **A collaborative approach to bringing simultaneous input from all users of the facility space can combine training with safety program evaluation, refinement, and effectiveness.**

- How can collaborative integration engage collaborators across bridged units where participation meets function?
- How far can collaborative integration bridge valued units?
- How can exchange between units be jointly understood and valued?
- How can administration instill value and financially support an integrative safety program collaborative?



Administration Support and Management

- ▶ How can collaborative integration engage collaborators across bridged units where participation meets function?
- ▶ How far can collaborative integration bridge valued units?
 - ▶ **Administration can establish the degree of collaboration across units that are specific to the management of the institution**
- ▶ How can exchange between units be jointly understood and valued?
- ▶ How can administration instill value and financially support an integrative safety program collaborative?
 - ▶ **Administration must establish the significance of training, evaluation, and the financial responsiveness to support the management of collaborative teams integrated across units.**

.....bringing simultaneous input from all users of the facility space can combine training with safety program evaluation, refinement, and effectiveness.

Unit Staff Participation

- ▶ How can collaborative integration engage collaborators across bridged units where participation meets function?
 - ▶ **Participating staff must be willing to integrate collaborators at different level units.**
 - ▶ **Participants must see functional application**
 - ▶ **Joint experience must be valued**
 - ▶ **Evaluation across units must be integrated with refinement and effectiveness**
- ▶ How far can collaborative integration bridge valued units?
- ▶ How can exchange between units be jointly understood and valued?
- ▶ How can administration instill value and financially support an integrative safety program collaborative?

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Facility Centric Model & the Role of Story -Platform for Bridged Unit Collaboration

- ▶ How can collaborative integration engage collaborators across bridged units where participation meets function?
 - ▶ **Need meets Service Collaboration....Integration of all units that have a common interest.**
 - ▶ **Safety concerns of all that use, maintain, or manage a facility space gives a common platform for valued input and functional application of a joint interest.**
- ▶ How far can collaborative integration bridge valued units?
- ▶ How can exchange between units be jointly understood and valued?
 - ▶ **Role of Story – as an illustrative integration across units where concerns can be linked to different perspectives, shared accomplishment and joint engagement.**
[Story brings value and perspective that is integrated with reporting to bring analysis]
- ▶ How can administration instill value and financially support an integrative safety program collaborative?

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Role of Story in Safety Policy and Review

- ▶ Engagement of story can be uniquely used to advance training to participation. The use of stories enables the participant to connect training application with event, and if stories provide options of action, various safety decisions can be linked with consequence. Additionally, stories can connect safety with the specific concerns of certain facilities and training specific to an organization. Finally, policy can be integrated with story as a way to enhance adherence to the foundations of policy within an organization.

Management and Training Tool:

- Safety Requires the Integration of Different Operational Units. [..in addition to traditional operational committees and reporting mechanisms]
- Facilities Centric Management and Training Tool - functions to integrate the goals of collaboration, evaluation, refinement, and effectiveness.
- Joint Review is linked simultaneously to training in this facility site.
- Provides the link between regulation, policy, and pragmatic application.
- Joint Participation of all units of interest [as institutionally established] .
- Supports a mechanism of exchange that gives value to participation of all units – Role of Story
- Effective Compilation for future refinement and action.



Safety Review and Training Event

Bridged collaborative units gathering in a common use facility

Joint review of facility space regulations and polices which simultaneously provides related training as these are linked with pragmatic applications.

Updates to policies and regulations.

Use of story to provide understanding and a platform for participation

Assessment of facility space

Pragmatic application across units

Joint training related to this space

Joint integration of safety practices

Joint role of policy evaluation

Actions

Documentation compilation

...integrating the goals of collaboration, evaluation, refinement, and effectiveness.

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Proposal: A collaborative approach to the simultaneous input from all users of the facility space can combine training with safety program evaluation, refinement, and effectiveness.

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