AIHA Content Strategy

Research and Body of Knowledge Projects

December 2015
AIHA Content Priorities

• Research Projects
  – Sensor Technologies
  – Changing Workforce
  – Big Data
  – Global IH/OH Standard of Care

• Body of Knowledge Projects
  – Exposure Banding/OEL Process
  – Business Case Development (reworked/rebranded IH Value Strategy)
Sensor Technologies

*What the research will tell us*

– Identify sensor capabilities that could aide in hazard detection, management and communication
– Needs and opportunities for new sensor technologies for IH/OH
– Challenges to existing IH/OH practices
– Training needs for IHs/OHs
– Potential risks/unintended consequences
Sensor Technologies

**Methodology**

– In-depth environmental scan/analysis of emerging technologies
– IH/OH needs assessment survey
– Industry partners collaboration
– Scientific summit in late 1Q2016/early 2Q2016
Sensor Technologies

**Content Deliverables 2015**
- Sensor technologies landscape report

**Potential Work Plan/Deliverables 2016**
- Scientific summit roadmap for promoting technology development
- Sharing of research findings
- Company strategy and readiness toolkit and training workshops
- 2016 AIHce content focus/track
- Next stage research and development based on the roadmap
Changing Workforce

What the research will tell us

– Key change drivers in workforce demographics and environments that IHs/OHs need to anticipate
– How IH/OH core competencies can be applied in the changing workforce and workplace
– New competencies needed to respond to these changes
Changing Workforce

**Methodology**

– In-depth environmental scan of relevant trends and issues in workforce demographics and environments

– Assessment of applicable IH/OH core competencies and existing content resources

– Identification of new competencies and areas where new content will be needed
Changing Workforce

**Content Deliverables 2015**
- Research report/environmental scan
- Survey/interviews of AIHA volunteer leaders

**Potential Work Plan/Deliverables 2016**
- Online resource/map of highly relevant AIHA content in hazard recognition and assessment, hazard control and communication
- New content to address gaps in current knowledge base
Big Data

What the research will tell us

– IH/OH datasets currently available - what data could be collected and analyzed?
– Feasibility and potential design for a central repository for reliable data collection and analysis
– Current level of data management and analysis proficiency within IH/OH and future requirements
– Potential technical partners
Big Data

Methodology

– Best practices scan and survey to assess current data collection, management and analysis

– Feasibility study to scope potential designs, technical requirements, business models and technical partners
Big Data

**Content Deliverables Mid-2016**

Best practices report with practical guidance on strengthening data collection, management and analysis using new capabilities

**Phase 2 Content Deliverables Late-2016**

Feasibility study and business plan

**Phase 2 Project Implementation 2017**

TBD with goal of a viable program creating member value by 2018
Global IH/OH Standard of Care

What the research will tell us

– Framework for creating a universal standard of care for protecting worker health and safety.
– Global stakeholders
– Industries and countries with the greatest need
– How AIHA education and resources can support a universal standard of care
– Education and resources offerings outside AIHA
– Opportunities for co-creation of technical resources
Global IH/OH Standard of Care

Methodology

– Policy research to identify recurring themes and practices to protect global worker health and safety

– Competitive intelligence research and exploratory conversations to identify:
  • Countries and industries ripest for adopting a universal standard of care
  • Potential competitors and collaborators

– Systematic analysis of AIHA products and services for potential repurposing for global EHS markets
Global IH/OH Standard of Care

Content Deliverables 2015
  Policy research report and competitive intelligence report

Potential Work Plan/Deliverables 2016 and Beyond
  – Assessment of relevant AIHA resources
  – Ongoing monitoring of standards development
  – Organize articles, white papers and education sessions around discrete themes
AIHA Content Priorities

• Research Projects
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  – Changing Workforce
  – Big Data
  – Global IH/OH Standard of Care

• Body of Knowledge Projects
  – Exposure Banding/OEL Process
  – Business Case Development
**DO** | **+ WHAT** | **+ WHY**
---|---|---
Conduct | basic internet searches | to obtain relevant data.  
Use | data contained in Safety Data Sheets (SDSs) | to select appropriate personal protective equipment (PPE).

The concepts, terms and activities that make up a professional area of practice

**WHAT IS A BODY OF KNOWLEDGE?**
Defining the BoK Framework

Define the drivers
- What is the problem?
- What are we trying to solve?

Define the target audience
- Who will benefit from the BoK and how?

Define the stakeholders
- Who will be impacted by the BoK and how?

Confirm assumptions
- Do stakeholders share our understanding of the problem?
Setting the Bar

- Steering team of elected leaders, volunteer leaders and staff
- Development team of subject matter experts with range of experiences
- Input from AIHA members and other stakeholders
WHY DEVELOP BODIES OF KNOWLEDGE?
BOK DEVELOPMENT PROCESS
Select development team

- AIHA SMEs
- Allied professionals
- Industry partners
Select development team

2 Draft straw man BoK

- Existing AIHA IP
- Existing Partner IP
- Public Domain IP
3 Hold F2F drafting session

- Facilitated 2-3 day meeting
- Online collaboration platform
Select development team

Draft straw man BoK

Hold F2F drafting session

4 Conduct online session(s)

- Refine statements
- Define competency levels
Select development team

Draft straw man BoK

Hold F2F drafting session

Conduct online session(s)

5

Complete draft BoK

- Core team approved
- Stakeholder input (JTA Survey)
Select development team
Draft straw man BoK
Hold F2F drafting session
Conduct online session(s)
Complete draft BoK

BoK finalized
• Approved by core team
• Approved by AIHA Board
Select development team
Draft straw man BoK
Hold F2F drafting session
Conduct online session(s)
Complete draft BoK
BoK finalized

7 BoK launched!
1. SDS and Label Authoring
   Core Team formed for REVISION.

5. Business Case Development
   JTA Survey in progress.

7. DRI Field Use
   • RPPA and Fit Testing
   • IAQ Practitioner
   • Exposure Assessment
BoKs Planned for 2016

• Occupational Exposure Banding
  – Waiting on public review of expected NIOSH guideline document

• Risk Assessment
  – Next phase/expansion, building on the exposure assessment and other BoKs already completed
Beyond the BoK

- Education mapping
- Partnerships
- Needs assessment
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Mary Ann Latko, CAE, CIH, CSP, QEP, FAIHA™  
Managing Director, Scientific and Technical Initiatives  
AIHA®  
Protecting Worker Health®

mlatko@aiha.org  
Direct +1 703-846-0786  
Office +1 703-849-8888

3141 Fairview Park Drive  
Suite 777  
bFalls Church, VA 22042 USA