

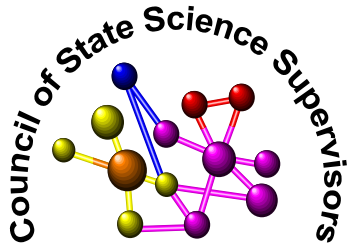
**Slides presented at the
2015 NGSS Network Leadership Conference**

Science Professional Learning Standards

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Bill Penuel**





Science Professional Learning Standards: A Project of the Council of State Science Supervisors

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Our Effort

- A project of the Council of State Science Supervisors to update the NSES Standards for Professional Learning
 - Representatives from three states and the research community developed the standards draft
- Two key updates to those standards:
 - To reflect the vision and principles of the *Framework for K-12 Science Education*
 - To take into account research on effective professional development in science conducted since 1996

Why Standards Are Needed

- There are a wide variety of providers of professional development claiming to prepare teachers to implement the vision of the *Framework* and *Next Generation Science Standards*
- Provide clear guidance about how to design, implement, and engage with professional learning opportunities to:
 - State and district leaders
 - Professional development providers
 - Educators
- Standards can provide the basis for:
 - Design of professional development at different levels of system
 - Requirements for Requests for Proposals (RFPs)
 - Rubrics to evaluate professional learning opportunities
 - Building a better infrastructure for professional learning across the professional continuum

Differences from Other PL Standards

- Content specificity: Focused on vision for science learning in the *Framework*
- Concern not just with “delivery” but with teachers as active participants in their own professional growth
- Focus on implementation and sustainability
- Grounding in contemporary research on professional development

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