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# STEMCAP WIRED 3.5 Deborah Hirsh

Sustainability/Integration Webinar August 21, 2007

Corridor WIRED Transformation Vision (from the PIP)  
***Integration of education, workforce and economic  
development systems/innovation strategies in a  
regional (CIC) framework***





# Overview: Sustainability Project #

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- ***“Develop a collaboration and a strategic action plan to increase the number and support the development of science, technology, engineering and math (STEM) students, graduates, teachers, professors and mentors within the California Innovation Corridor and the State of California, leveraging the resources and efforts not only of education and academia (K-20, public and private), but of industry and the informal science network”***



# Key Products/Deliverables for WIRED 3.5 STEMCAP

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- *Science Technology Engineering and Math Collaborative Action Plan:*
  - *Written 'static' version*
  - *Living, breathing, dynamic web-based version*
  - *Outreach to existing collaboratives to pilot the plan (ARCHES)*
  
- *STEMCAP Inventory*
  - *Web-based*
  - *Merged with others (NDIA)*
  - *Possibly using established STEM Taxonomy*



# Key Findings to Date

- ❑ **Characteristics of Innovation in Talent Development**
  - New people coming together who have not previously met with each other
  - New partnerships forming for collective endeavors
  - Alignment/synchronization of previously disparate initiatives
  - Resulting in increased leverage/Tipping Point
- ❑ **Entrepreneurship**
  - Social entrepreneurship
- ❑ **Global Competitiveness**
  - Synchronization/alignment/leverage



## Key Findings to Date (cont'd)

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- ❑ **Success Factors in Developing an “Innovation Ecosystem” or “Innovation Culture”**
  - **Connecting the dots**
- ❑ **Success Factors in Developing Talent**
  - **New, exciting, relevant educational approaches offerings that “hook” students:**
    - ❑ **Mechatronics**
    - ❑ **Project Lead the Way**



## Key Findings to Date (cont'd)

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- ❑ **Integration of ED, Workforce, Education**
  - **Regional collaboratives with all entities represented and pulling together**
    - ❑ **ARCHES**
    - ❑ **Santa Ana Chamber of Commerce**
    - ❑ **Orange County Chamber of Commerce**



# Cross-Sustainability Project Contacts Made/Results

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**Which of the other Sustainability Projects have you worked with since our June 5 webinar and what discussions, alignment and/or integration has resulted?**

**WIRED 1.7 WIB Toolkit**





# Sustainability Project Products/Deliverables

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**What products and/or deliverables would you have ready to share by Sept. 6-7 at Project Leads Meeting at the Monterey Marriott?**

- **Update of STEMCAP Project**
  - **Recap of first Advisory Group Meeting**
  - **Demonstration of STEMCAP Inventory to date**



# Project Needs/Desires

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**What does your project need/desire...**

- From Project Leads of Sustainability Projects today?**
- From Project Leads at Sept. 6-7 Forum?**



# Long – Term Revenue Strategies

- ❑ **What steps have you taken to identify future revenue streams to sustain the WIRED initiative(s) you are leading?**
  - We are developing and integrated vision
  - We have written two grants (one failed)
- ❑ **Have you identified other partners (WIRED or others)? Yes**
  - ❑ NASA Ames/ICT/Urban Science Corps
  - ❑ CSEI
  - ❑ Buzz Aldrin
  - ❑ Troops to Teachers
  - ❑ ARCHES
  - ❑ NDIA
  - ❑ Gen 2 and 3 CA WIRED entities



# Key Corridor Conclusions at Close of WIRED

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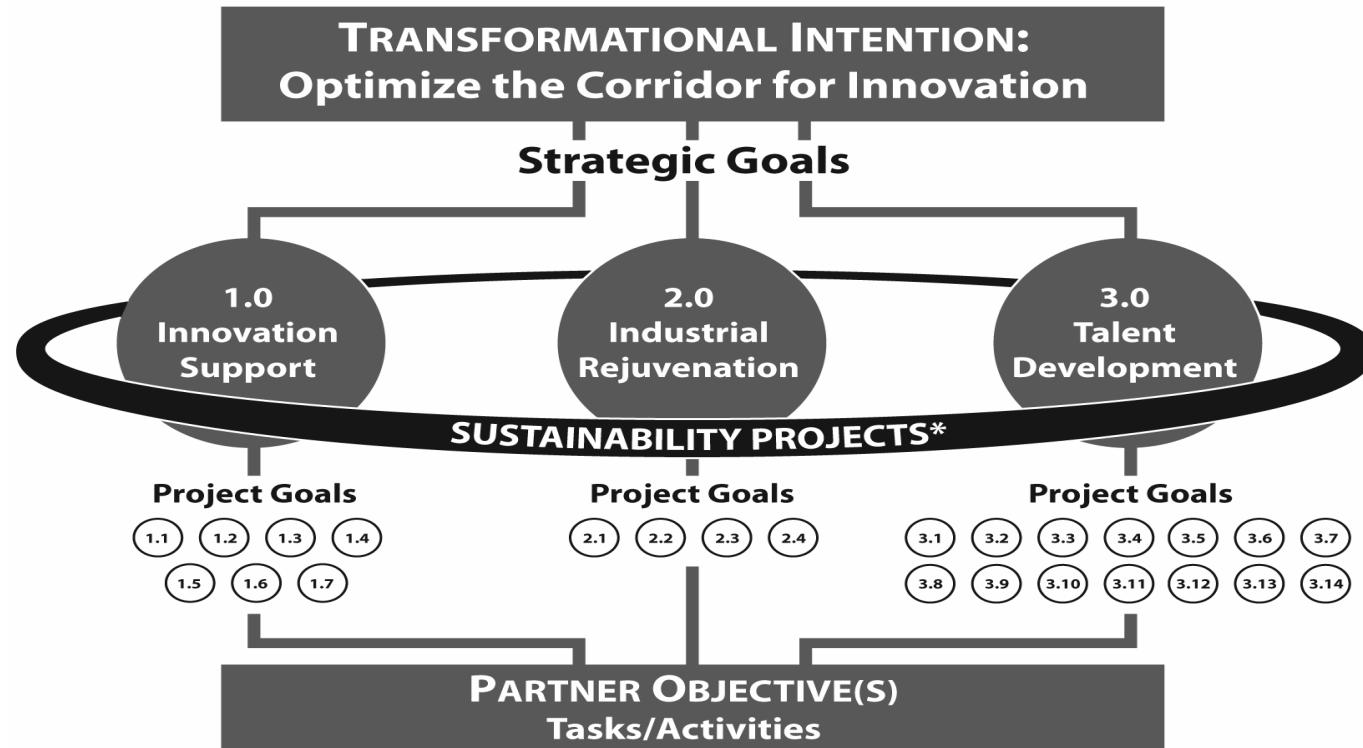
What conclusions is your project reaching about “Optimizing the Corridor for Innovation and 21<sup>st</sup> Century Workforce Development”?

- Ongoing collaboration is essential
  - Commitments are needed
  - Clearing House organizations must be sustained:
    - CSEWI
    - CCST
    - CWA
    - ARCHES
    - etc.



# California Innovation Corridor WIRED Initiative (cont'd)

## CIC WIRED PROGRAM



\*Sustainability projects are those projects supporting both a strategic transformational goal and the overall WIRED grant initiative as well

