



**Asia-Pacific
Economic Cooperation**

2010/SOM1/HRDWG/029
Agenda Item: EDNET 6.11

**Progress Report - International Benchmarking to
Improve Mathematics and Support Exemplary
Practices in Travel-Eligible APEC Economies**

Purpose: Information
Submitted by: United States



**32nd Human Resources Development Working
Group Meeting
Hiroshima, Japan
24-28 February 2010**

Facesheet

(Tick ✓ one)	<input type="checkbox"/> Project seeking APEC funding	<input type="checkbox"/> Project for self-funding
	<input checked="" type="checkbox"/> Progress Report	<input type="checkbox"/> Evaluation Report

(Tick ✓ one where applicable) Operational Account TILF Special Account

Project number: HRD 01/2009S	Date received by Secretariat:
Name of Committee/Working Group: The Human Resources Development Working Group/Education Network	
Title of Project: International Benchmarking to Improve Mathematics and Support Exemplary Practices in Travel-Eligible APEC Economies	
Proposing APEC Economy: United States	
Co-sponsoring APEC Economy (ies): Australia;Peru;The Republic of the Philippines;Canada;Chile;People's Republic of China;Chinese Taipei;Thailand;Indonesia;Japan;Viet Nam;Republic of Korea;Malaysia	
Project Overseer: Name, Title and Organization (M/F) Brian Fu, Program and Management Analyst, US Department of Education	
Postal address: U.S. Department of Education 400 Maryland Ave. S.W. Washington, DC 20202	Tel: 202-260-1467 Fax: 202-401-3036 Email: brian.fu@ed.gov
Type of Project: <input checked="" type="checkbox"/> seminar/symposium <input checked="" type="checkbox"/> short-term training course <input checked="" type="checkbox"/> survey or analysis and research <input type="checkbox"/> database/website <input type="checkbox"/> others:	
Project start date:	Project end date: ongoing
Brief description of Project : its purpose and the principal activities (including when and where) : The purposes of the project are to: a) Conduct APEC benchmarking studies for mathematics to identify and describe exemplary practices in the APEC region with respect to different key features of a mathematics education delivery system, including standards, assessments, teachers, and low-performing students and schools. b) Widely disseminate the findings with special focus on assisting the travel eligible Economies and incorporating the findings on the APEC Wiki. By December 2010, the project shall prepare a minimum of ten benchmarking monographs. The final selection of system features to benchmark will be made based on a review or survey of potential benchmarking features among APEC high-performers in mathematics. The monographs should follow a format that will easily translate to web format since they will be published online. Each monograph shall include: (1) a statement of the feature and its importance; (2) the research and theory supporting how the feature is intended to work; (3) a detailed description of how the feature is designed and implemented in the selected exemplary sites to benchmark; and (4) challenges and potential modifications in replication of the feature under different circumstances.	
Signature of Project Overseer: Brian Fu	
<i>(Separate written confirmation acceptable for email submission)</i> Date: February 18, 2010	
Signature of Committee Chair/WG Lead Shepherd: <i>(Not applicable to Progress Report and Evaluation Report)</i>	
<i>(Separate written confirmation acceptable for email submission)</i> Date:	

Status/Progress and Problems	
Current status of project: On schedule (Yes)	Within budget (N/A)
<p align="center">Objectives</p> <p>How do results of the project thus far (if any) compare with its expected results? Include your results thus far (if any) relative to quantitative measures you proposed in paragraph 1 (and 25) of the project design proposal.</p> <p>Objective: To conduct APEC benchmarking studies for mathematics to identify and describe exemplary practices in the APEC region with respect to different key features of a mathematics education delivery system, including standards, assessments, teachers, and low-performing students and schools.</p> <p>Results: Since the project is still in planning phases, there are no projects results. However, the project overseers intend combine resources with Project 01/2009A and use a March 2010 conference as a springboard to create 5 toolkits for implementing promising practices in mathematics education.</p> <p>Objective: To widely disseminate the findings with special focus on assisting the travel eligible Economies and incorporating the findings on the APEC Wiki.</p> <p>Results: The project overseers plan to deliver substantive information created in the format of webinars to assist travel eligible economies</p>	
<p>Linkages, Methodology, Budget</p> <p>Describe any problems which have arisen and how they were resolved, including changes in schedule or revised dates, budget changes, changes in participation, or additions or deletions of activities.</p> <p>The project overseers have had difficulty involving all the high-performing Asian economies in the participation of the March 2010 math conference. As result, we are still requesting they provide contributions through submitting substantive reports to the conference.</p>	
<p>Gender Considerations</p> <p>Provide a brief description of the impact of the project on women to date. Provide details to show how women have been consulted on the delivery of the project. What kind of sex-disaggregated data has been collected and used for the project?</p> <p>Knowledge of mathematics is essential for all students to succeed in modern 21st Century Economies. However, mathematics has often been seen as a field in which males excel and in which females may lack exposure. This project will benchmark exemplary practices in encouraging females to enroll and succeed in primary and secondary math courses. Practices should draw on the gender equity research base. For example, the U.S. Department of Education Doing What Works web site has synthesized research on strategies to support girls participation in math and science</p>	
<p>Progress since last report</p> <p>na</p>	

- Notes:**
- All Committee and Working Group projects, irrespective of their source of funding, should be reported to BMC.
 - Please mark "N.A." if any item is not applicable.

Progress Report: International Benchmarking to Improve Mathematics and Support Exemplary Practices

Submitted by the USA



U.S. Department of Education

Purposes

The purposes of the project are to:

- Conduct benchmarking studies for mathematics to **identify and describe exemplary practices** in the APEC region
- **Widely disseminate the findings** with special focus on assisting the travel eligible Economies and incorporating the findings on the APEC Wiki.



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APEC Conference on Replicating Exemplary Practices in Mathematics Education:



The March conference in Koi Samui Thailand will serve as a springboard to compile/create content for 5 toolkits on how to implement promising practices in mathematics education.



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Expected Project Products

- 5 Online Toolkits on how to implement promising practices in mathematics education with special emphasis on transferring practices to developing economies
- Webinars to further help developing economies implement these promising practices



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