



**Asia-Pacific  
Economic Cooperation**

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**2013/SOM3/HRDWG/033**  
Agenda Item:EDNET 5.7

## **The APEC Knowledge Bank and APEC Wiki**

Purpose: Information  
Submitted by: United States



**35<sup>th</sup> Human Resources Development  
Working Group Meeting  
Medan, Indonesia  
24-26 June 2013**

## The APEC Knowledge Bank and APEC Wiki

Submitted by the USA



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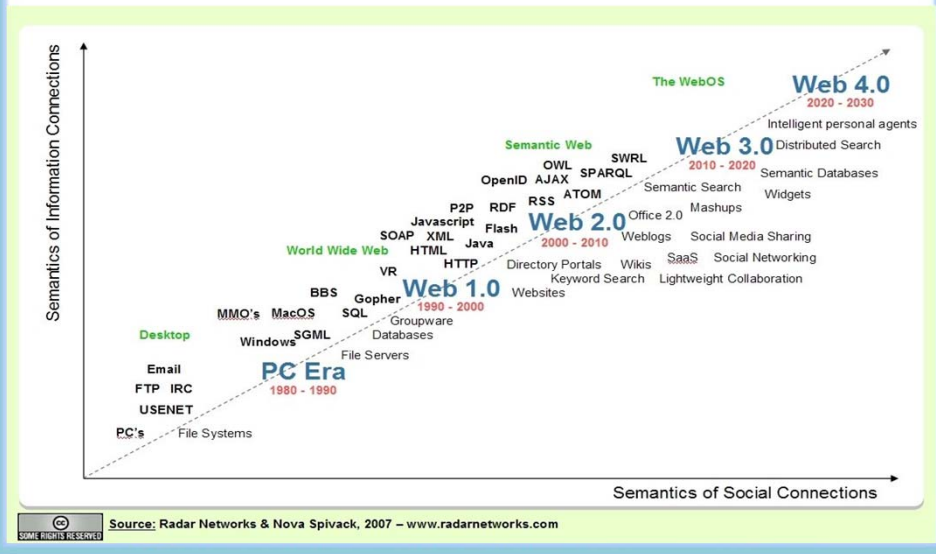
### What is a Wiki?

- A website whose users can add, modify, or delete its content via a web browser
- Typically powered by wiki software
- Created collaboratively by a network of multiple users
- Examples include community websites, corporate intranets, knowledge management systems
- <http://en.wikipedia.org/wiki/Wiki>

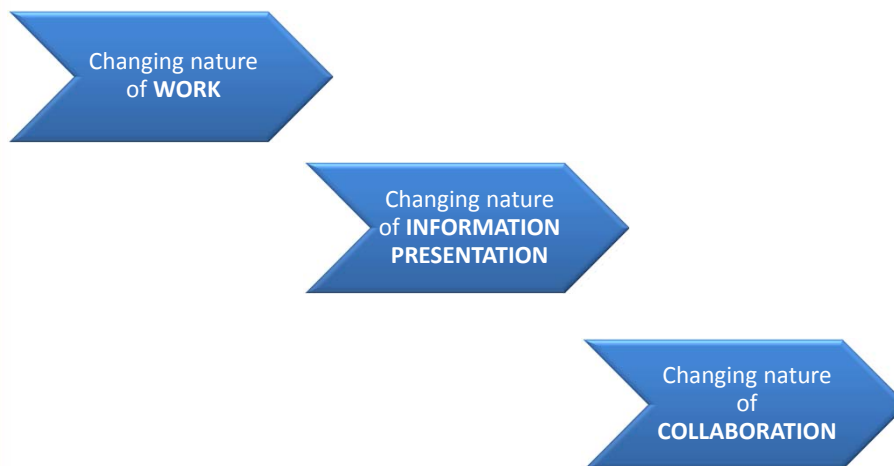


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# Wiki is Web 2.0 Technology

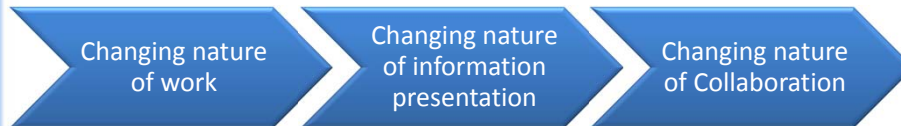


# The Wiki as a Collaborative Tool



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## The Wiki as a Collaborative Tool

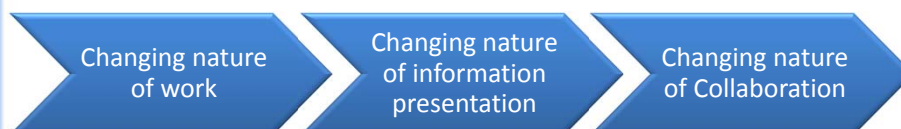


- Work
  - Quick-turnaround
  - Cloud-based



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## The Wiki as a Collaborative Tool



- Presentation Structures
  - Web-influenced
  - Organic linking



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## The Wiki as a Collaborative Tool

Changing nature  
of WORK

Changing nature  
of INFORMATION  
PRESENTATION

Changing nature  
of  
COLLABORATION

- Collaboration
  - Multiple participants in a global environment
  - Electronic correspondence



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## Limitations of Traditional Collaboration

- Important information is stored in disparate locations
- Version control is difficult
- Review, updates, and changes take time
- Closed network



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## The Wiki as a Collaborative Tool

- Advantages of Wikis
  - Transparent, iterative development process
  - Contribution tracking
  - Edits are easy and subject to peer review
  - Content discussion boards
  - Browser-based, so no file format issues
- Trade-offs
  - Decentralized quality control



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## Creative Commons Content Licensing

- **Attribution-NonCommercial-ShareAlike:**
- This license lets others use and build upon your work non-commercially, as long as they credit you and license their new creations under the identical terms.



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## Why use a Wiki for APEC?

Characteristic	APEC	Wiki
Volunteer Contributions	X	X
Consensus	X	X
Collaborative	X	X



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## EDNET Home Page

**Human Resources Development Working Group**

PAGE DISCUSSION VIEW SOURCE HISTORY Log in

### Education Network (EDNET)

**Overview of the Education Network (EDNET)**

Education activities in APEC are primarily carried out through the **Education Network (EDNET)**, which is part of APEC's Human Resources Development Working Group. The goal of the APEC's education activities is to foster strong and vibrant learning systems across APEC member economies, promote education for all, and strengthen the role of education in promoting social, individual, economic and sustainable development.

EDNET was created at the 1st APEC Education Ministers Meeting (AEMM) in Washington, DC in August 1992. Education Ministers from 14 APEC economies established the Education Forum within the Human Resources Development Working Group (HRDWG) to coordinate education activities. The Education Forum was reorganized in 2000 and renamed the Education Network (EDNET).

The 5th AEMM was held in Gyeongju, Korea from 21-23 May 2012, where the ministers discussed topics ranging from regional innovation, ICT use in education, and skills for economic growth.

- Joint Statement
- Press Release: APEC Education Ministers Commit to Innovation and Cooperation in Education

**Key Links**

- EDNET Projects Page
- Events Page

**Priority Areas**

- Career and Technical Education
- Teacher Quality
- Higher Education
- ICT in Education
- Mathematics Education
- Science Education
- Learning Each Other's Languages
- Cooperation in Education

**Other Areas of Interest**

- Lesson Study
- Turnaround Schools

**EDNET Partner Links**

**Navigation**

- Main Page
- Help
- Recent changes

**Browse**

- Table of Contents
- APEC Projects
- APEC Events
- Photos
- Map

**External Links**

- APEC Website
- Knowledge Bank
- Learn APEC

**Search**

Go Search

**Toolbox**

- What links here
- Related changes
- Upload file
- Special pages
- Printable version

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## Education Topic Pages

**Human Resources Development Working Group**

PAGE DISCUSSION VIEW SOURCE HISTORY Log in

### Portal: Career and Technical Education

Career and Technical Education (CTE) prepares individuals for the workforce through the acquisition of knowledge, skills, and competencies in an occupational field, blending the arenas of Education and Labour and Social Protection. CTE, or "Technical and Vocational Education" (TVET), are used in several APEC economies to provide students with a sequence of coursework that builds foundational career knowledge and specific technical skills. These programs are often found at the secondary and tertiary levels and can lead to occupational degrees or certification specialties for enrolled students. The range of topics covered in CTE/TVET varies from "hands on" occupations, such as machinists and plumbers, to engineering and technology fields.

Policymakers have identified the importance of effective CTE/TVET programs in the APEC region and have designated them as a major priority for the future. During the 5th APEC Education Ministerial Meeting (AEMM) the ministers recognized the importance of expanding and improving TVET opportunities in the APEC region. More TVET details from the 5th AEMM can be found in the [Ministerial Paper B](#). This portal contains information about CTE Promising Practices that are supported by expert opinion, as well as other activities and resources pertaining to CTE/TVET.

**APEC Project Activities**

- APEC Forum on Human Resource Development, sponsored by the Labour and Soc. APEC Forum on Human Resources Development topics as CTE Amid the Economic Crisis and Sustainable Development
- Case Study of Institute of Technical Education (ITE) in Singapore
- Regional Economic Development
- Effective Basic and Secondary Educational Systems
  - Education and Skills: Strategies for Accelerated Development in Asia and the Pacific
  - Asian Development Bank

**Resources**

- U.S. - China Experts Meeting on Career and Technical Education
- UNESCO's Third International Congress on TVET
- Career and Technical Education - The Asia Society
- International CTE - Association for Career and Technical Education
- Perkins Collaborative Resource Network - CTE resources from U.S. Department of Education
- International Models of Career, Technical Education - Retina

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## EDNET Project Pages

The screenshot shows the EDNET website interface. At the top, it features the APEC logo and the text 'Human Resources Development Working Group'. Below this is a navigation bar with 'PAGE', 'DISCUSSION', 'VIEW SOURCE', and 'HISTORY' tabs, and a 'Log in' button. The main content area is titled 'Classroom Innovations through Lesson Study'. It includes a 'Navigation' sidebar with links like 'Main Page', 'Help', and 'Recent changes'. The main text describes the project's goals: to improve the quality of education in Mathematics through Lesson Study. It lists three main goals: sharing Lesson Study approaches, collecting and sharing videos and lesson plans, and developing a collaborative network. It also lists specific areas of focus: Mathematical Thinking, Mathematical Communication, Evaluation, and Generalization. Project Overseers are mentioned as Masami Isoda & Shizumi Shimizu (Japan) and Maitree Inprasitha and Suladda Loipha (Thailand). A 'Contents' box lists: 1 Project Products and Highlights, 1.1 Videos, 1.2 Papers, 2 Conferences, and 3 See Related. The footer features the APEC logo and the text 'Asia-Pacific Economic Cooperation Education Network'.

## EDNET Meeting Pages

The screenshot shows the EDNET website interface for a meeting page. At the top, it features the APEC logo and the text 'Human Resources Development Working Group'. Below this is a navigation bar with 'PAGE', 'DISCUSSION', 'VIEW SOURCE', and 'HISTORY' tabs, and a 'Log in' button. The main content area is titled '5th APEC Education Ministerial Meeting (AEMM) in Gyeongju, Korea'. It includes a 'Navigation' sidebar with links like 'Main Page', 'Help', and 'Recent changes'. The main text describes the meeting: APEC Education Ministers met in Gyeongju, Korea from 21-23 May 2012 to discuss the future of education policy and practice across members. The meeting was framed by the Growth Attributes and Growth Strategy for the Asia-Pacific region. A 'Contents' box lists: 1 Themes and Priorities, 2 Materials from the 5th AEMM, and 3 See Also. Below the text is a photograph of the meeting participants. The footer features the APEC logo and the text 'Asia-Pacific Economic Cooperation Education Network'.

## Project History

- 2002 - Knowledge Bank (KB) Library for EDNET Project is launched
- September 2007 - KB Wiki Pilot begins
- December 2007 - KB Library extends to CBN and LSPN
- June 2008 KB Wiki Launched
- Spring 2010 – Enhanced Features
- Fall 2011 – Redesign of Wiki Interface
- 2013 – Move to new home down under



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## 2008 4<sup>th</sup> AEMM Joint Statement

- APEC HRDWG Wiki mentioned as best practices at the 4<sup>th</sup> AEMM in 2008: “We acknowledge that this focus is building a body of knowledge in the APEC region captured via online network activities (the APEC Knowledge Bank and APEC Wiki) and human network activities ...that can aid each of our Economies' individual education systems and provide a strong focus for EDNET's role in building capacity and in contributing to create learning societies with educational opportunities for all populations.”



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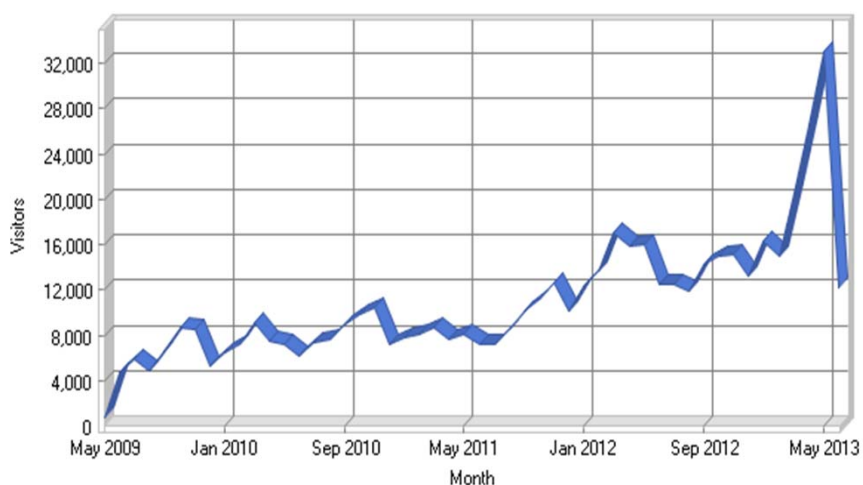
## Knowledge Bank Wiki Statistics

	June 2009	Feb 2010	Feb 2011	Jan 2012	May 2013
Pages	163	279	376	435	477
Files	400	526	659	800	900
Page views	217,648	635,527	955,624	3,725,487	6,972,667
Page edits	5,991	8,467	10,902	12,743	14,649



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## Knowledge Bank Wiki Statistics



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## Knowledge Bank Wiki Statistics

<b>1</b>	<b>United States</b>	<b>11</b>	<b>Russian Federation</b>
<b>2</b>	<b>China</b>	<b>12</b>	<b>Malaysia</b>
<b>3</b>	<b>Philippines</b>	<b>13</b>	<b>Korea, Republic of</b>
<b>4</b>	<b>Singapore</b>	<b>14</b>	<b>Indonesia</b>
<b>5</b>	France	<b>15</b>	<b>Japan</b>
<b>6</b>	United Kingdom	<b>16</b>	Poland
<b>7</b>	India	<b>17</b>	Sweden
<b>8</b>	<b>Australia</b>	<b>18</b>	<b>Hong Kong</b>
<b>9</b>	<b>Canada</b>	<b>19</b>	<b>Thailand</b>
<b>10</b>	Germany	<b>20</b>	Ukraine



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## Moving Forward

- Ownership of the HRDWG Wiki will be transferred to Australia later in 2013, along with the accompanying APEC Open Education Resources site ([oer.apecwiki.org](http://oer.apecwiki.org))
- Thanks to Australia for sharing this terrific tool with APEC and beyond!



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*Thank You*



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