

APEC PROJECT PROPOSAL

Factsheet

Name of Committee/Working Group: ICT Development	
Title of Project: Data Grid for Digital Video / Still Archive	
Proposing APEC Economy: 1) Singapore	
Co-sponsoring APEC Economies: 2) Chinese Taipei ; 3)	
Project number: <i>(To be filled in by Secretariat)</i>	Date received by Secretariat: <i>(To be filled in by Secretariat)</i>
<i>(Tick ✓ one)</i> <input type="checkbox"/> Project seeking APEC funding <input type="checkbox"/> Progress Report <input type="checkbox"/> Evaluation Report	
<i>(Tick ✓ one if applicable)</i> <input type="checkbox"/> Operational Account <input type="checkbox"/> TILF Special Account <input type="checkbox"/> APEC Support Fund	
<i>(Tick ✓ if applicable)</i> <input type="checkbox"/> QAF attached QAF not applicable <input type="checkbox"/> QAF attached	
Financial Information	Total cost of proposal (US\$): Amount being sought from APEC funding (US\$): Self-Funding project
Type of Project: <input type="checkbox"/> seminar/symposium <input type="checkbox"/> short-term training course <input type="checkbox"/> survey or analysis and research <input type="checkbox"/> database/website <input checked="" type="checkbox"/> others <i>(Please specify)</i> Workshop & project	
Project start date: after April 2007	Project end date: March 31, 2009 (to align with scheduling of APEC TEL 36)
Brief Description of Project -- its purpose and the principal activities (including when and where): This project seeks to share and access of digital assets belonging to different owners in a seamless and transparent manner across national boundaries and administrative domains. There are two parts: the first concerns the use of data grid technology, while the second involves participation of digital asset owners to allow access to their digital materials.	
Project Overseer: Name, Title and Organization: Dr. Lee Hing Yan, Programme Director, National Grid Office (Singapore)	
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Signature of Project Overseer: <i>(Separate written confirmation acceptable for email submission)</i> Date:	
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:	

Details of the Project Proposal

A. Project Design

Background

- 1) Data Grid is an infrastructure that provides scalable, reliable and autonomous storage to participating organizations. Applications with large storage needs will benefit from such a Data Grid.
- 2) Various APEC economies are at various stages of developing one form of Data Grid or another. The national archives of several countries have also embarked upon massive digitization projects that can provide the materials that can be made available for sharing and greater access. Chinese Taipei has a National Digital Archives Program since 2002. Singapore and Thailand also have similar programs.

Scope of Collaboration

- 3) Singapore proposes that participating countries set up a Data Grid for the purpose of distributed, scalable and reliable storage of digital assets (e.g. digital photos, digital postcards, digital posters, digital maps, digital architectural drawings) for data intensive applications. Furthermore, such an approach allows each country to contribute materials, yet retain complete control and ownership of these materials. This is an opportunity for APEC economies to share materials of common interest with each other.

Linkages

- 4) We seek the cooperation of the participating APEC economies to agree on an application domain (e.g., cultural, heritage, historical, architectural, medical) to provide a focus for the collaboration.
- 5) APEC economies that have undertaken Data Grid projects contribute their technologies through seminars and workshops as well as making available the software and middleware. The grid community hence focuses on developing the proposed Data Grid using such technologies.
- 6) In tandem, the cooperation of digital asset owners is sought to make available their digital collections for access by other countries.
- 7) Each participating economy continues to host its own web site for access to their respective collections, while a common web portal is available to allow access to all the collections. Localisation efforts may be needed for the latter. Alternatively, the country-specific web site is equipped with a capability to access other collections directly without the need for a common web portal.

Methodology

- 8) Singapore proposes that a small working group of interested economies be established to identify an agreed application domain, as well as plan and scope the project. This working group would determine a timeframe, the responsibility of the participating economies, and plan a working project schedule.
- 9) Workshops to monitor progress and to resolve outstanding issues are held at APEC TEL meetings.

Dissemination of Project Output

- 10) The project output would be in the form of either a common web portal (with appropriate localisation) and/or already existing web sites that have an enhanced capability to access collections of digital assets in a seamless manner. Hotlinks can be made available on the APEC TEL website to facilitate access to these sites.
- 11) The volume of digital assets that are made accessible and available for sharing will increase over time.

Budget

- 12) Participating APEC economies would fund their own involvement in the project.