



# Information Sharing System for Financing Public EE and RE projects

The Alliance to Save Energy  
The International Institute of Energy Conservation (IIEC)  
The Efficiency Valuation Organization (EVO)



# Presentation Outline

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- Background, Rationales and Objectives
- Basic Concept and System Design
- Expected Outputs/Results
- Information Needs Assessment



# Background and Rationales

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- Information access is still one of the key barriers to accelerating the use of different financing mechanisms in sustainable energy projects.
- At the same time, there are considerable experience on EE & RE financing available worldwide.
- APEC Energy Working Group (APEC EWG) has recognized the gaps and needs for “sharing information on project finance” and initiated this project in 2006.



# Objectives

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- Bridging and narrowing gaps between the investment community and EE&RE project developers
- Developing a web-based Knowledge Management System as a repository for available information on best practices, lessons learned, tools, etc.

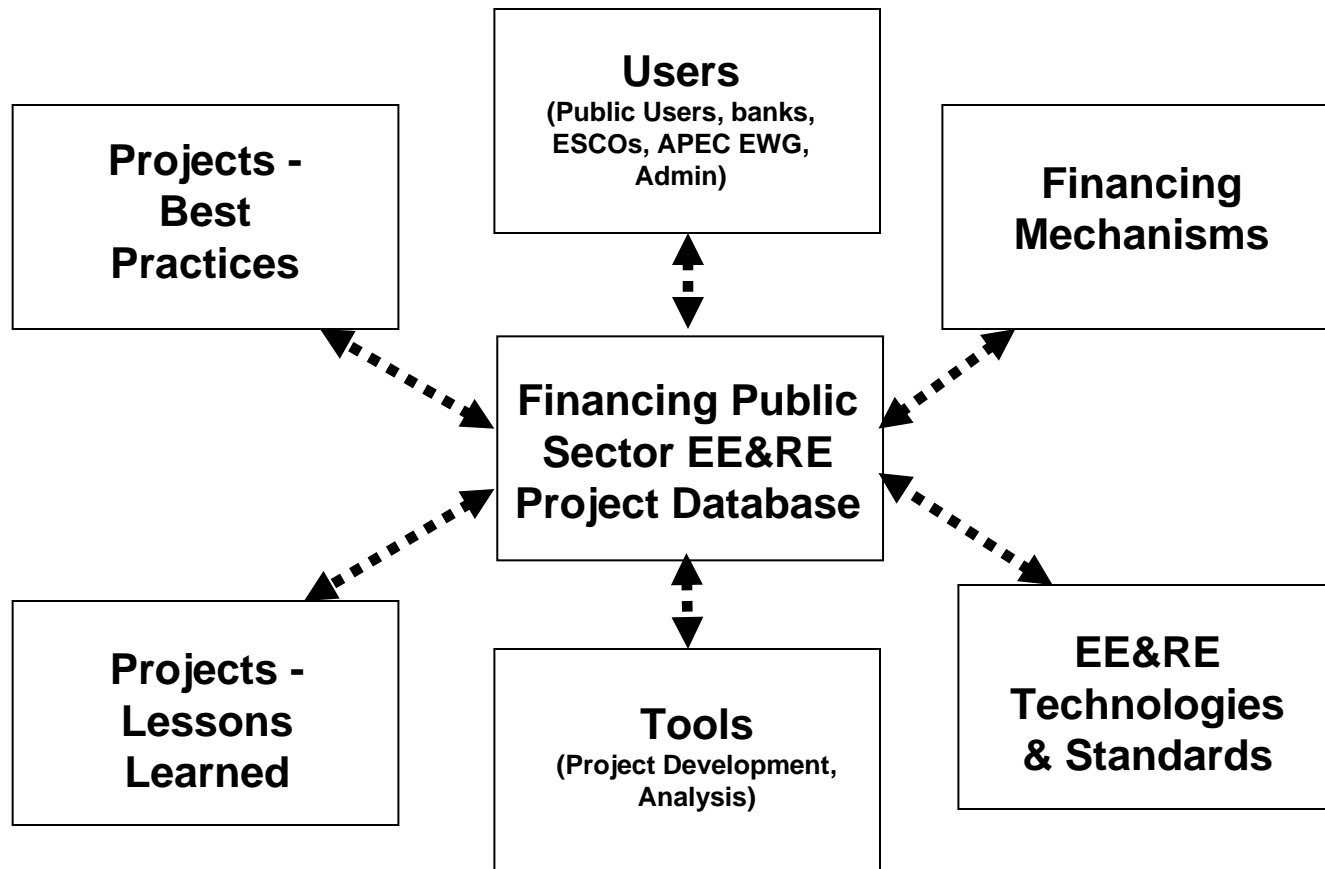


# System Features

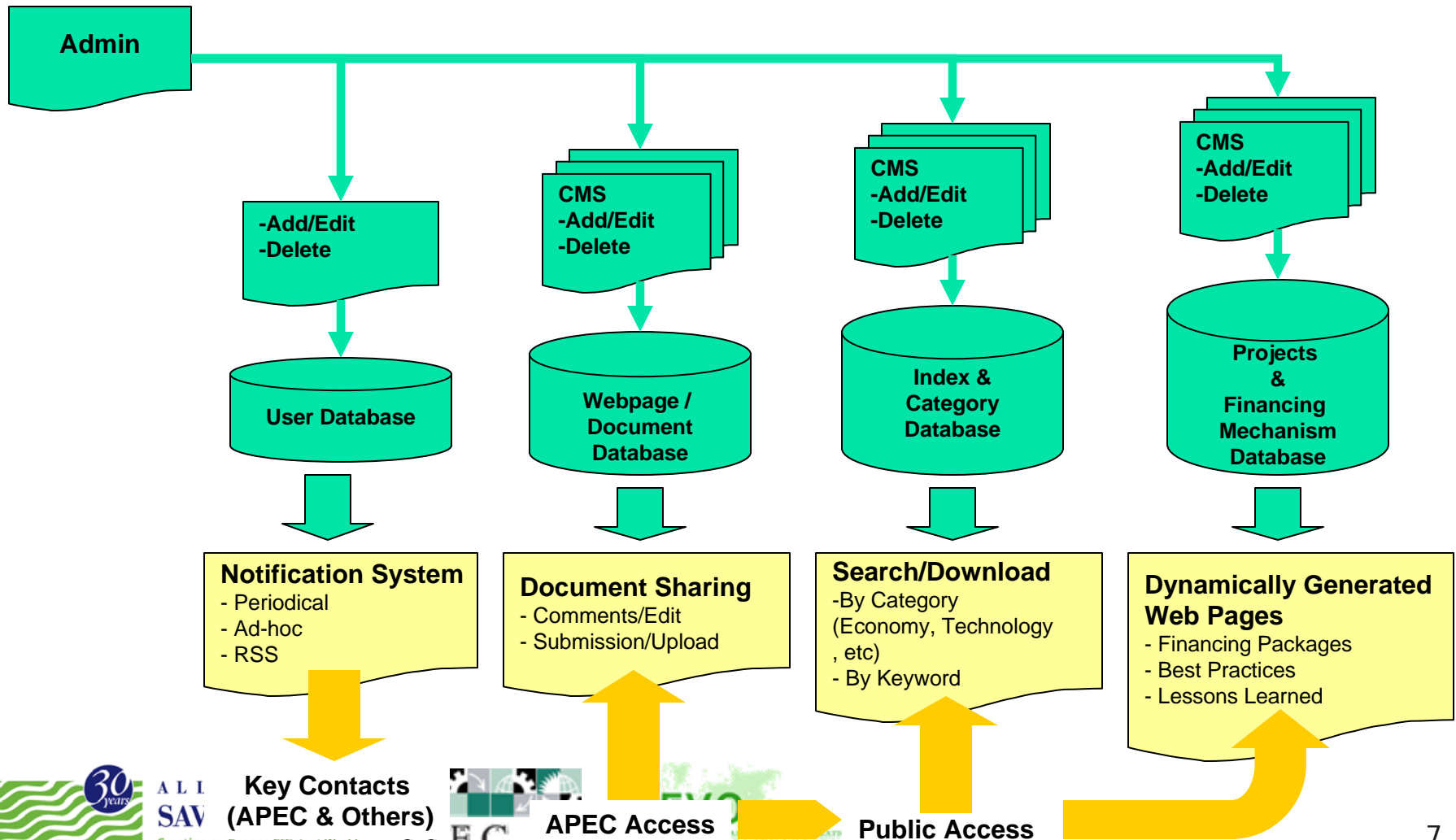
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- Enable users in APEC and non-APEC economies to have access to:
  - Facts
  - Sources of information
  - Solutions
  - Tools
- The system will support creation, capture, storage and dissemination of expertise and knowledge in EE/RE project financing.
  - Multilevel access and support – e.g. Wikipedia

# Basic Design Concept



# Overall System Architecture





# Main System Database

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- User Database
  - To support different authorities of APEC and general public users
- Document/Tool Database
  - To be a repository of case studies, best practices and tools
- Index and Category Database
  - To enable tagging and quick access to information
- Financing Mechanism and Project Database
  - To support as the core database for this information system



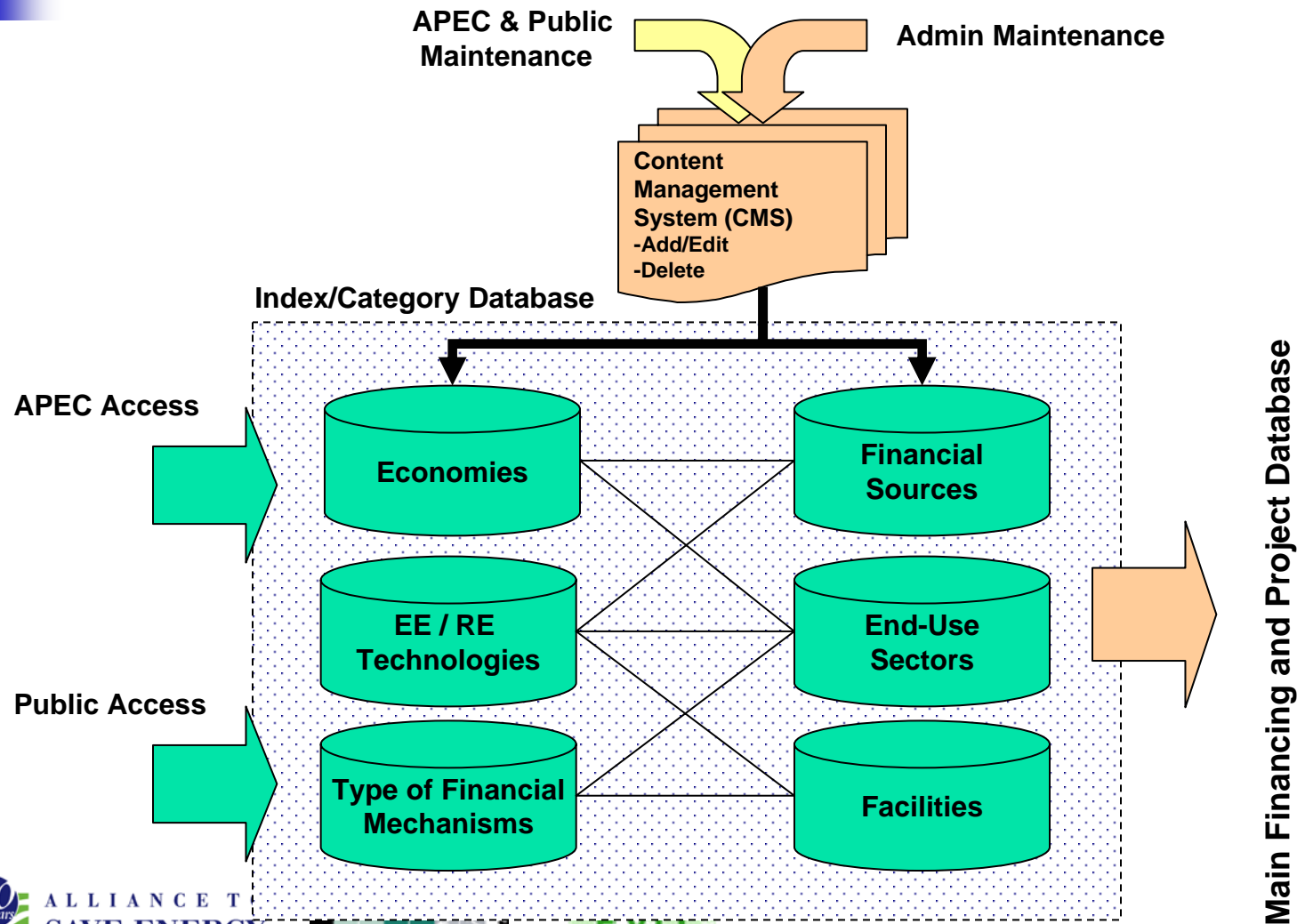
# Preliminary Design – Financing Mechanism & Project Database

- The proposed dimensions/categories that can be used to search the information in the main Financing Mechanism and Project database:
  - APEC Economy – national or regional
  - Type of Financing Mechanism - Grant, Subsidy, Equity, Loan
  - Total Funding Available and Project Size Limit
  - Funding Sources
  - Types of Projects and Sectors Covered
  - Types of Project Sponsors or Developers
  - Initial Date of Availability and Expiration Date

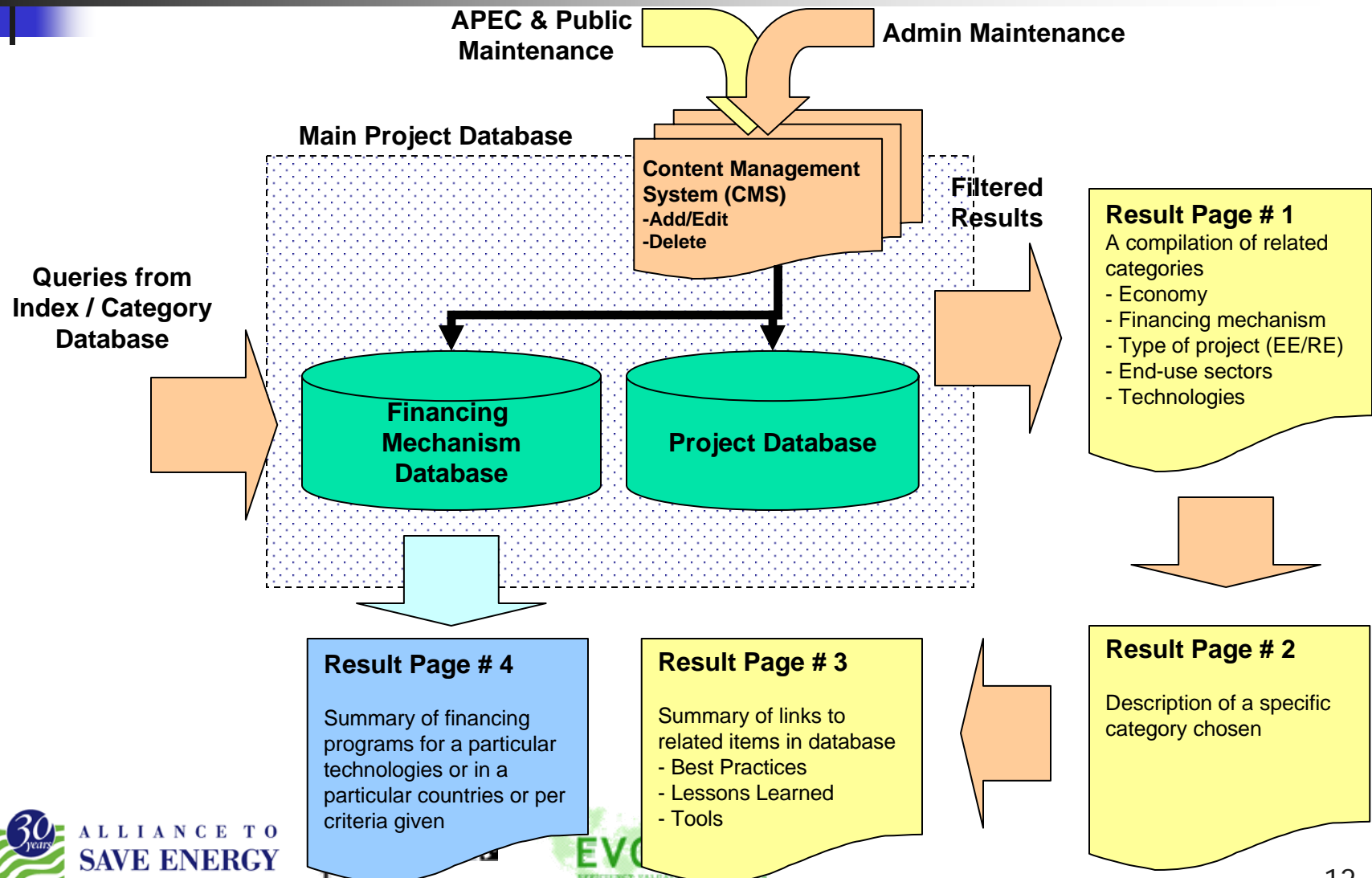
# Samples of Category Data

Country/Economy	Type of Project	Sector	Financing Mechanism
Australia	<b>Energy Efficiency</b>	<b>Central Government</b>	<b>Grant</b>
Brunei Darussalam	Lighting	Office	<b>Subsidy</b>
Canada	Motors	Hospital	<b>Equity</b>
Chile	Pumping	School	<b>Loan</b>
People's Republic of China	HVAC	Other Institutional	<b>Commercial Terms</b>
China, Hong Kong	Street Lighting		<b>Subsidized ("soft loan")</b>
Indonesia	Energy Management Systems	<b>State Government</b>	<b>Subordinated debt</b>
Japan	Multiple measures	Office	<b>Loan Guarantee</b>
South Korea		Hospital	<b>Interest Buy-Down</b>
Malaysia	<b>Renewable Energy</b>	School	<b>Rebates</b>
Mexico	Solar Thermal	Other Institutional	<b>Royalty Financing</b>
New Zealand	Solar PV	<b>Municipality</b>	<b>Subsidized Tariffs</b>
Papua New Guinea	Wind Energy		
Peru	Mini-Hydro		
Philippines	Micro-Hydro		
Russia	Biomass		
Singapore			
Chinese Taiwan			
Thailand			
USA			
Vietnam			

# Using Index & Category Database



# Expected Outputs/Results



# Screenshot – Result Page#2

Summary of Specific Information Requested

[Photovoltaic Rebate Program \(PVRP\)](#)

Link to a list of all rebate programs

Type of Financing Mechanism: Rebate

Link to all photovoltaic programs

Technology: [Photovoltaic Systems](#)

Country: [Australia](#)

Link to all financing mechanisms in Australia

Abstract:

Under the Photovoltaic Rebate Program (PVRP), cash rebates are now available to householders and owners of community use buildings who install grid-connected or stand-alone photovoltaic systems (conditions apply).

The amendments to the operation of the Photovoltaic Rebate Program are:

- The rebate level for new systems has been adjusted to \$4 per peak watt, capped at \$4000 per residential system and \$8000 per Community Building system.
- The rebate level for upgrades to existing systems remains unchanged.
- The caps imposed for short-term fund management reasons in February 2003 on total monthly approvals permitted under the program are lifted.

Year Effective: –

Implementing Entity/Entities: State and Territory Agencies

Additional information on this policy can be obtained from:

<http://www.greenhouse.gov.au/renewable/pv/index.html>

Link to all tools related to photovoltaic

Update: 14-09-2004



# Information Needs Assessment

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- The system is still in the design phase and the prototype is available but not for public access.
- The project team aims to further improve the information delivery of the system.
- Please share with us what information or features should be integrated into the system.
  - We will send you an e-mail survey after the forum.
  - Or send us your opinion about the proposed design to [afilippov@ase.org](mailto:afilippov@ase.org)

# Energy Efficiency Global Forum and Exposition

- **What:** The Alliance to Save Energy's inaugural Energy Efficiency Global Forum & Exposition (EE Global)
- **When:** November 11-14, 2007
- **Where:** The Washington D.C. Convention Center
- **Web:** [www.eeglobalforum.com](http://www.eeglobalforum.com)





ALLIANCE TO  
**SAVE ENERGY**  
*Creating an Energy-Efficient World*



Thank You

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