



**Asia-Pacific
Economic Cooperation**

2014/PPSTI1/012
Agenda Item: 8-3-1

APEC Smart City Innovation and Technology Cooperation Forum - Innovation Technology Dialogue

Purpose: Information
Submitted by: China



**3rd Policy Partnership on Science, Technology
and Innovation Meeting
Changzhou, China
9-11 April 2014**



Asia-Pacific Economic Cooperation

APEC Smart City Innovation & Technology Cooperation Forum - Innovation Technology Dialogue

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2014-04-01



ITD




Innovation Technology Dialogue :

**APEC Smart City Innovation &
Technology Cooperation Forum**


Smart City Priority Areas:

**Information Technology of Smart Transportation, Smart Factory,
Smart Healthcare and Smart Home**






Outline




1. Background

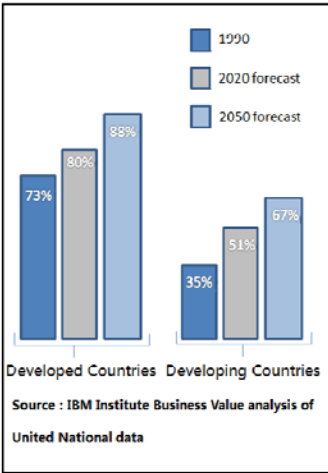
2. Previous Work

3. Forum Introduction




Background—World Urbanization




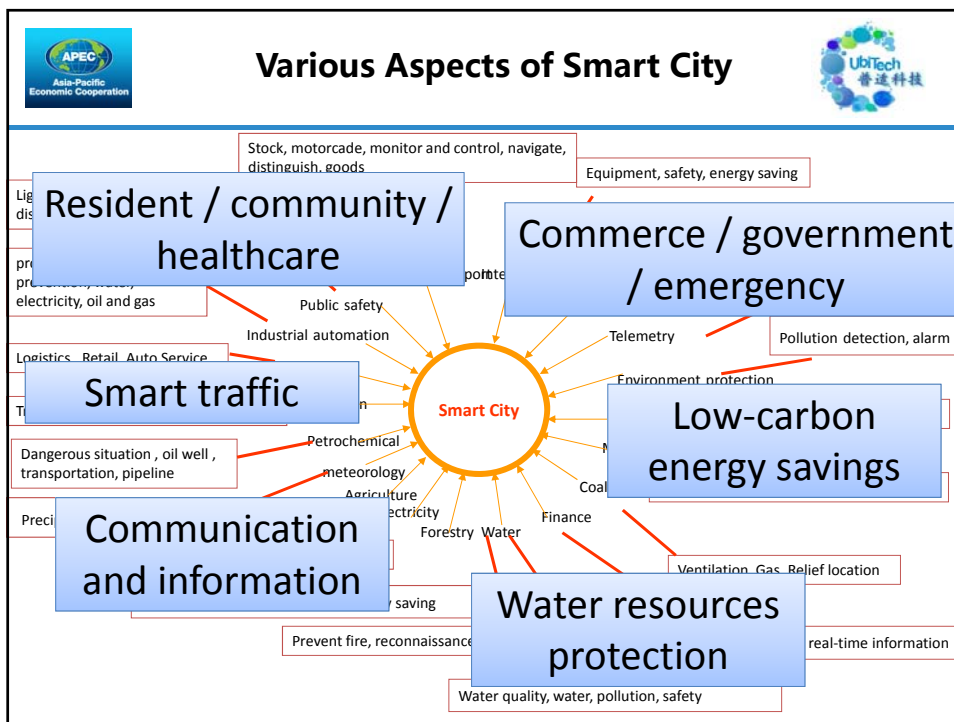
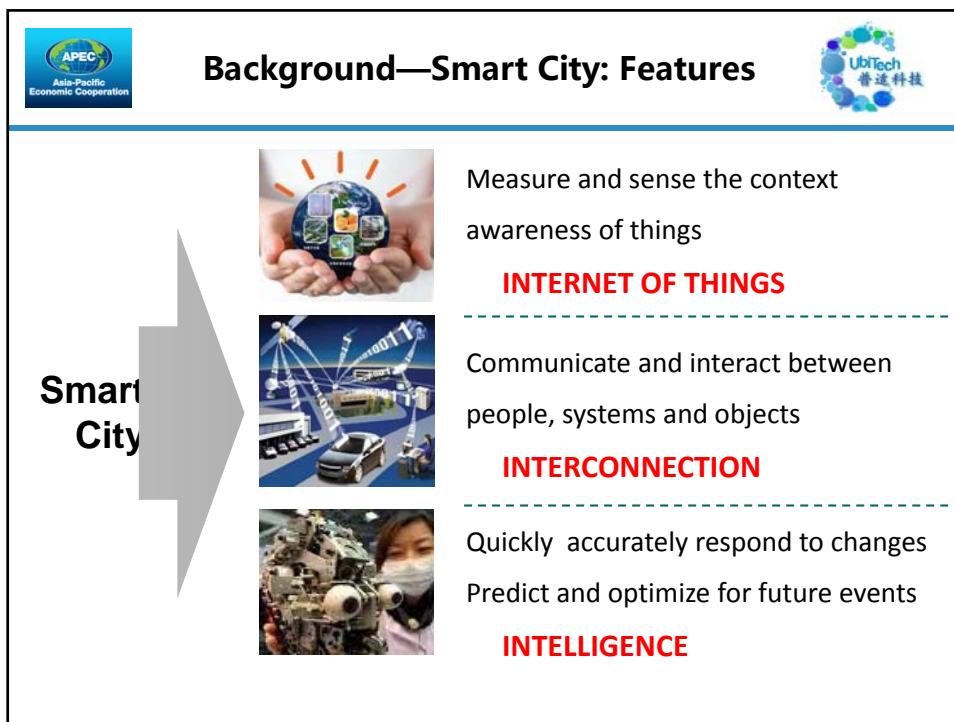



Source : IBM Institute Business Value analysis of United National data

- Asia and Africa: 93% of urban growth
- Global urban population:
 - 1950: 0.732 billion
 - 2005: 3.2 billion
 - 2030: 4.9 billion
 - 2050: over 6 billion
- In APEC, 1995 – 2025 urban population: from 965 million to over 1.75 billion.











Smart City Challenges




Resident/Community Healthcare →




- **Healthcare challenge**
 - Healthcare in USA: 20% of GDP
 - Healthcare in Canada: 50% of provincial tax revenues
- **Public security challenge**

Lower Carbon and Energy Savings →




- **Providing secure and continuity energy challenge**
 - Globally, almost one in three people lack access to electricity
 - In developed cities, it is difficult to provide stable energy


Intelligent Traffic →




- **Traffic challenge**
 - Cost of traffic jam in USA 2005: US\$78 billion and lost 4.2 billion hours
 - Growing at 8% rate every year



Smart City Challenges Cont.




Communication and Information →




- **Communication Challenge**
 - Online population has grown by 350% since 2000
 - 5.1 billion people can't be online
 - Various broadband speed :
 - 4.6 MB/s in Asia,
 - 1.1MB/s in Africa
 - GB/s in Tokyo and Yokohama

Water Resource Protection →




- **Water Resource Challenge**
 - 2.8 billion people are facing water shortage problem
 - Trends: 4 billion people in 2030
 - Lose 3.6% annual economic growth


Business/Government/Emergency →



- **Administration Challenge**
 - Less efficiency -> 6.8% GDP in some economies
 - 25% reduction in administrative overhead -> 1.5% GDP



Outline



1. Background

2. Previous Work

3. Forum Introduction




Previous Work




APEC Smart City Industrial Technology Cooperation Forum


December 17-20, 2012 Changzhou Science & Education Town

Opening Ceremony & Keynote Speech	Summit Forum	Changzhou Declaration
	APEC Sessions in IEEE International Conferences	Changzhou Research Institute for Smart City



Participants Statistics





- Number of total participants: around **400**
- Number of participating economies:
 - **12** APEC member economies
Australia; Canada; China; Hong Kong, China; Japan; Korea; Philippines; Russia; Singapore; Chinese Taipei; Thailand; U.S.A.
 - **1** guest economy
Macau, China.



Participants Statistics







- Number of speakers:
 - **>40** speakers;
 - **11** different member economies;
 - **>50%** from developing economies.



Participants Statistics




➤ Number of participating enterprises

- > 60 enterprises
- 7 different economies
- > 80% from developing economies


➤ Number of participating technical experts:

- > 100 technical experts
- 13 economies' representatives





Outputs



Changzhou Declaration – **“To-build Smart City Together”**

- In order to further promote cooperation among APEC member economies in building smart city and smart industry development.
- It will give a forward-looking and strategic direction for building smart city, industrial innovation and technological cooperation.

Contractor Summary Report

- An urgent work for the market;
- Work on applied technology;
- Apply the research contributions from universities to companies;
- Cooperation among government, private sector and academics;
- A useful pilot site for whole APEC cooperation.



Outcomes




Changzhou Research Institute for Smart City

Changzhou Research Institute for Smart City is built during forum.






Outcomes



Website and hitting

Official Website of the forum: <http://www.czubitech.com/apec2012>



Sponsors

Department of International Cooperation, Ministry of Science and Technology, P.R. China
Jiangsu Science and Technology Department
Changzhou Municipal People's Government

Organizers

Changzhou Science and Technology Bureau
Changzhou Science & Education Town
Changzhou University

Co-organizers

Changzhou Foreign Science and Technology Exchange




News Center


- STCF will be held on Dec, 2012 2012-12-10
- Final Audit of the Application for STCF Project was approved by the APEC BMC 2012-06-10
- Initial Audit of the Application for STCF Project was approved by the APEC BMC 2012-05-10
- APEC Committee for Smart City STCF was founded 2012-02-10

Invited Distinguished Guests

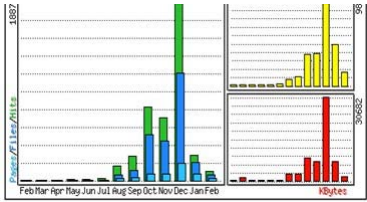




Outcomes



- Only in Dec 2012, the total hits is **58497**
- **>50%** of them come from developing economies



Month	Average/day					Totals				
	Hits	Files	Pages	Visits	KBytes	Hits	Files	Pages	Visits	KBytes
Feb 2013	95	65	23	16	1488	285	196	70	48	4465
Jan 2013	269	191	68	49	6979	8339	5949	2115	1523	216358
2013	253	180	64	46	6495	8624	6145	2185	1571	220824
Dec 2012	1887	1142	188	97	30682	58497	35425	5856	3035	951132
Nov 2012	670	419	73	38	7257	20104	12579	2197	1149	217716
Oct 2012	786	489	73	37	8316	24391	15183	2270	1153	257781
Sep 2012	257	107	31	10	2422	7724	3237	955	325	72673
Aug 2012	161	60	24	7	2356	4997	1863	756	247	73022
Jul 2012	27	9	5	2	248	843	280	177	77	7688
Jun 2012	12	2	1	1	36	380	73	48	45	1073
May 2012	9	1	3	1	38	299	46	97	45	1191
Apr 2012	7	1	1	1	41	220	57	52	44	1237
Mar 2012	5	2	2	1	1154	160	74	77	57	35789
Feb 2012	2	0	1	1	2	74	19	38	34	69
Jan 2012	2	1	1	1	1983	91	38	34	31	61465



Outcomes




Media News

The website of Ministry of Science and Technology of People's Republic of China


People's Daily Website

Changzhou Daily news






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Forum Introduction



Based on the project experience, All participants want to continue more activities in building smart city within APEC framework:



- STI priorities: Information Technology, Green Technology, ICT, Low-carbon Energy Revolution, Smart Use of Energy, ...
- Spread the activities in more APEC economies, specially developing economies.
- Exhibitions of industries products and improve the cooperation via free and open trade and investment.



Place and Date



APEC Smart City Innovation & Technology Cooperation Forum

- 2014.04.08—04.11
- Topic: Innovation Drive & Technology Cooperation
- Place: Shangri-La Hotel Changzhou, China

Planned activities:

- 1, APEC Smart City Innovation & Technology Cooperation Forum Opening Ceremony, Keynote Speech and Sub-Forums
- 2, APEC Smart City Industrial Innovation & Technology Product Exhibitions
- 3, APEC Research Institute for Smart City Initiative



Co-sponsors




Co-sponsoring economies:

Brunei Darussalam; Hong Kong, China; Indonesia; Malaysia; Peru; Russia; Chinese Taipei; Thailand




Other Economies:

Canada; New Zealand; Papua New Guinea; The United States



Data




More than 80% economies would like to participate in the forum.

Speech given by:


- 14** official representatives of economy
- 3** unofficial representatives of economy


- 3** member economies
- 1** guest economy

participate in the forum actively

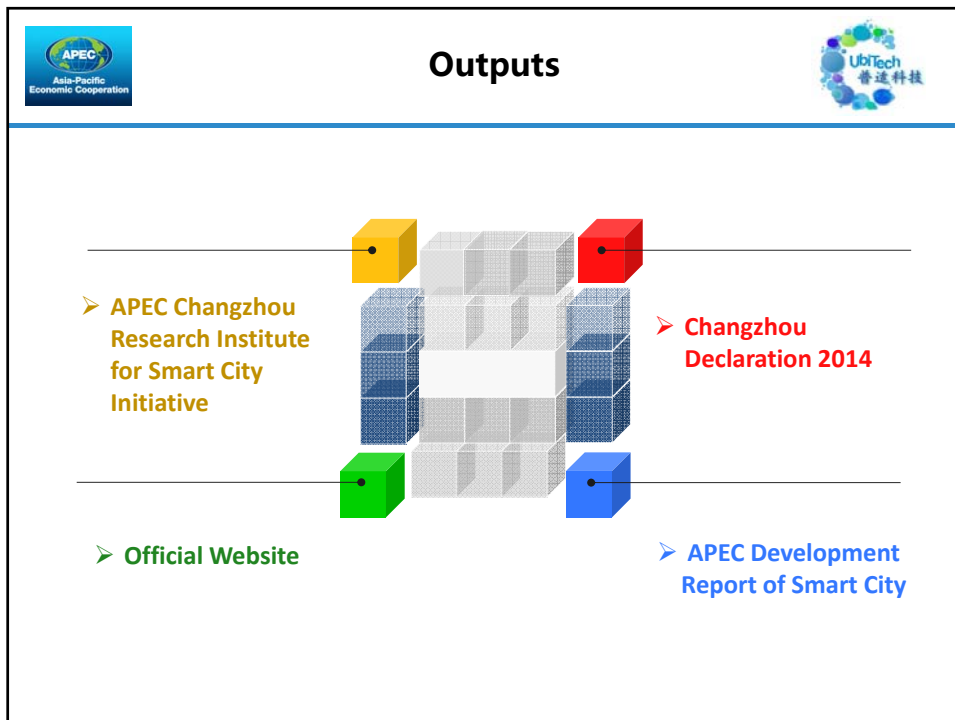
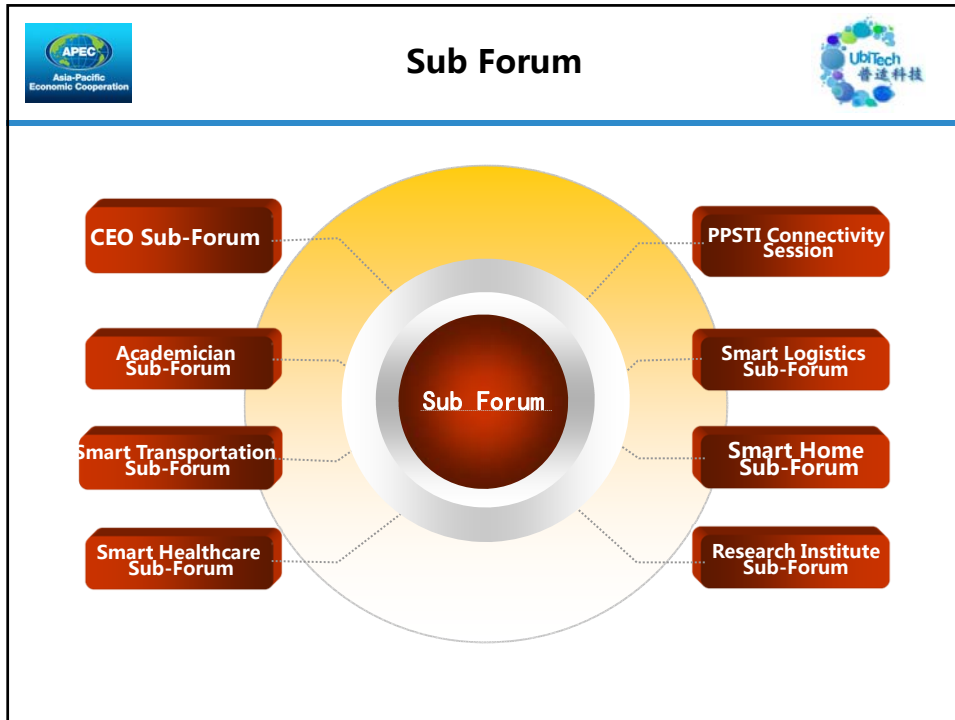




Opening Ceremony





- Speech by the leader of People's Government of Changzhou Municipality, China (5min)**
- Speech by the leader from Department of Science and Technology of Jiangsu Province, China (5min)**
- Linhao CHEN, Head of PPSTI Delegation, China (5min)**
- Amin SOEBANDRIO, the former chairman of PPSTI, Indonesia (5 min)**
- Maxim ROMANOV, ITD Speech by Head of PPSTI Delegation, Russia (5min)**
- Bryan SIVAK, CTO, Department of Health & Human Services, U.S.A (5min)**
- Daniel DUFOUR, Head of PPSTI Delegation, Canada (5min)**



 **Changzhou Declaration** 

Changzhou Declaration 2014:

- Enhance the cooperation among Business, Government and Academia under APEC framework
- Develop Smart Health, Smart Logistics, Smart Transportation, and Smart Home preferentially
- Build APEC Research Institute for Smart City Initiative
- Cooperation project for Smart City among APEC economies

 **Research Institute** 

Build APEC Research Institute for Smart City





Preparation



- Forum Agenda ;
- Official Website ;
- Guest Invited ;
- Supplies Prepared ;
- Conference Committee & Work Groups ;
- Enterprises Invited.





Website



apec.czubitech.com:



主办单位

国家科技部国际合作司
江苏省科技厅
常州市人民政府

承办单位

常州陆科技局
常州陆经信委

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APEC智慧城市产业科技合作创新论坛

APEC Smart City Innovation & Technology Cooperation Forum

中国·常州 2014.4.8-4.11

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新闻中心

- 科技合作创新论坛将于2014年4月在常州召开 2013-09-10
- 科技合作创新论坛项目申请通过亚太经合组织组织预算管理委员会初审 2013-09-23
- 科技合作创新论坛项目申请通过亚太经合组织组织预算管理委员会终审 2013-09-28
- 亚太经合组织智慧城市科技合作论坛组委会成立 2013-11-10

Work Group

Secretary Group

- Leader's Speech
- Make Plan

Conference Affair Group

- Guest Information Update
- Guest Reception

Publicity Group

- News
- Website
- Program Guide

Logistic Group

- Accommodation
- Vehicle & Staff Arrangement
- Shuttle Service

Welcome to Changzhou

Welcome to Changzhou!

Thank you!