

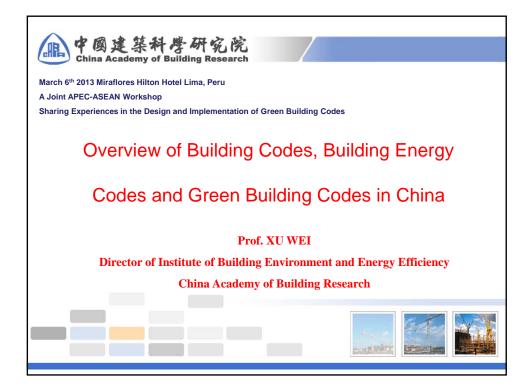
2013/SCSC/WKSP1/013

Overview of Building Codes, Building Energy Codes and Green Building Codes in China

Submitted by: China Academy of Building Research (CABR)



Workshop on Sharing Experiences in the Design and Implementation of Green Building Codes Lima, Peru 5-7 March 2013



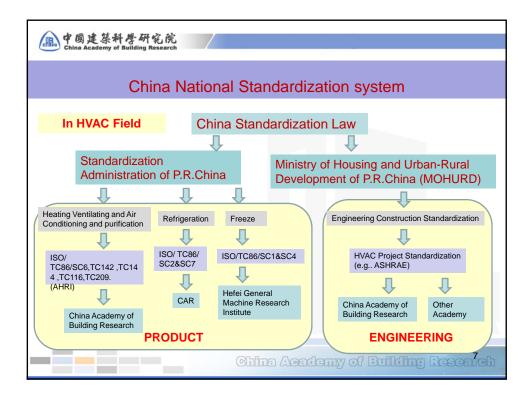






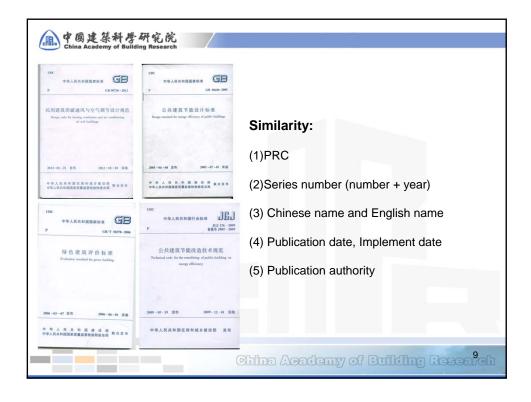








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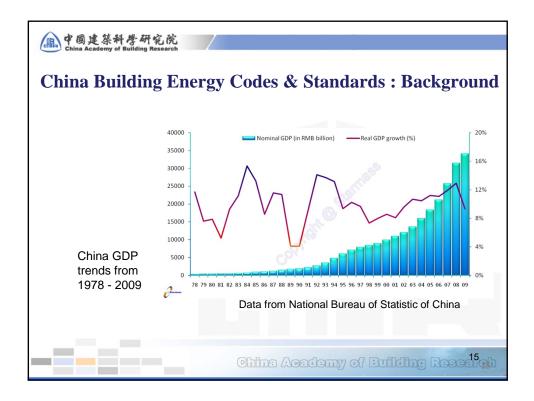
LDC #\$4.R.t.NEEss4.4 GB	UNC OFARARERSES GB	Differences:					
P G8 50734-2012	P GB 50189-2005	(1)National Standards VS Construction					
民用建筑供暖通风与空气调节设计规范 Design code for heating weildtion and air conditioning of civil bublings	公共建筑节能设计标准 Design standard for energy efficiency of public buildings	Industry Standards (1,2,3 VS 4)					
		(2) Approved by Ministry of Housing and					
2012-01-21 夏市 2012-10-01 英語	2005-04-04 发布 2005-07-01 实践	Urban-Rural Development and General					
中华人民共和国住房和城乡建设部 联合发布 中华人民共和国国家质量直接线检疫总局	中 季 人 民 兵 和 民 建 足 等 联合发布 中华人民共和国国家区量监督检验检疫品局	Administration of Quality Supervision,					
UDC	the as A RANGE TO AND	Inspection and Quarantine VS Approved by					
中华人民共和国国家标准 GB P GB/T 50378-2006	中华人民共和国行业标准 JCJ 176 - 2009 P 查里号 3885 - 2009	MOHURD (1,2,3 VS 4)					
绿色建筑评价标准 Evaluation standard for green building	公共建筑节能改造技术规范 Technical code for the retrafitting of public building on	(3) GB VS GB/T (1,2 VS 3)					
	energy efficiency.	GB=national standard T=recommend					
St. Same		(4) English name: Code VS Standard					
906-03-07 发布 2006-06-01 实施	2009-05-19 夏市 2009-12-01 实施	National Codes & Standards (Mandatory clause + Voluntary clause)					
9年人民共和国建设部取合发布 学人民共和国国家质量监督检验检疫总局取合发布	中华人民共和国住房和城乡建设部 发布	Industry Codes & Standards (Mandatory clause + Voluntary clause)					

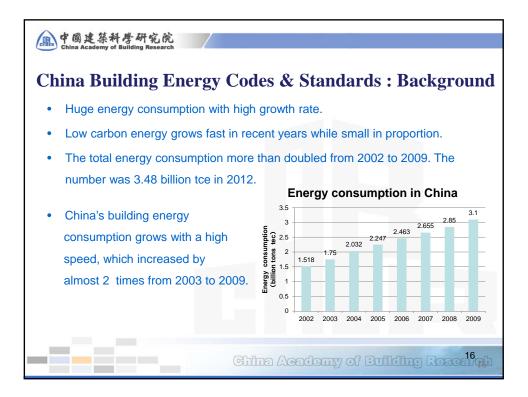




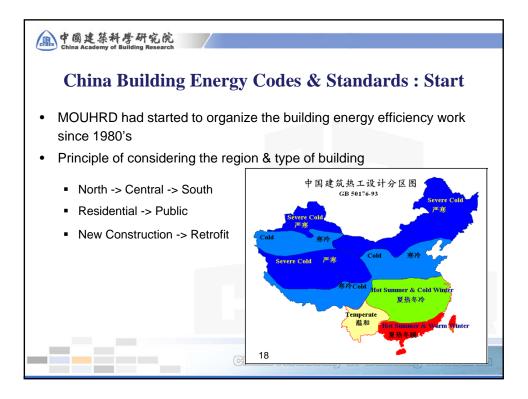
企同建築科學研究院 China Academy of Building Research							
China Building Codes							
	Code for design of building foundation	GB50007-2011					
Altax.	Load code for the design of building structures	GB50009-2012					
	Code for design of concrete structures	GB50010-2010					
	Code for seismic design of buildings	GB50011-2011					
	Code for design of building water supply and drainage	GB50015-2003					
	Code for fire protection design of buildings	GB50016-2006					
	Standard for lighting design of buildings	GB50034-2004					
	Design code for heating ventilation and air conditioning of civil buildings	GB50736-2012					
	etc						
	China Academy of Buik	ling Reseliich					

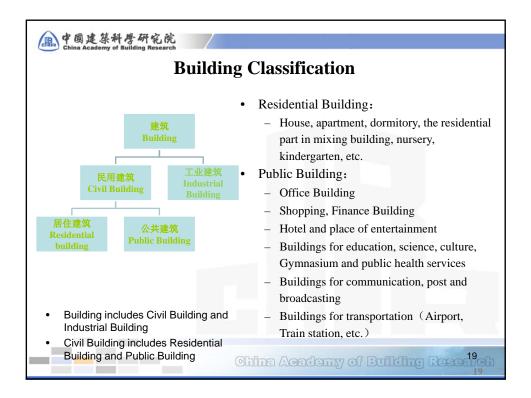


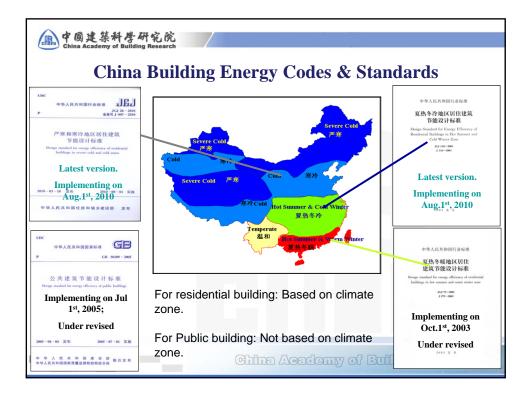






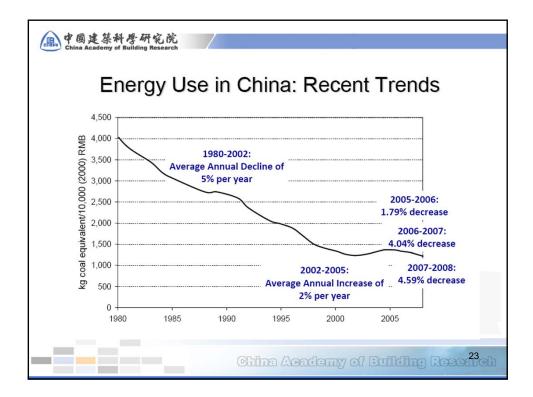




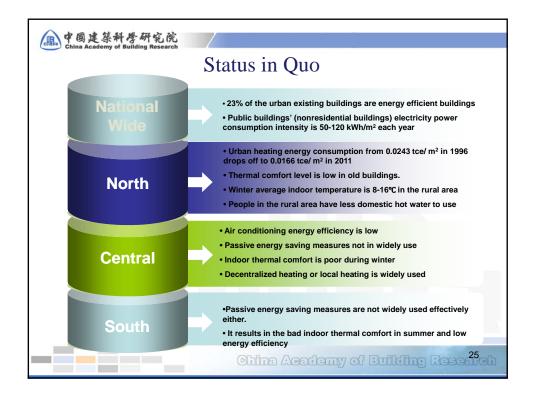


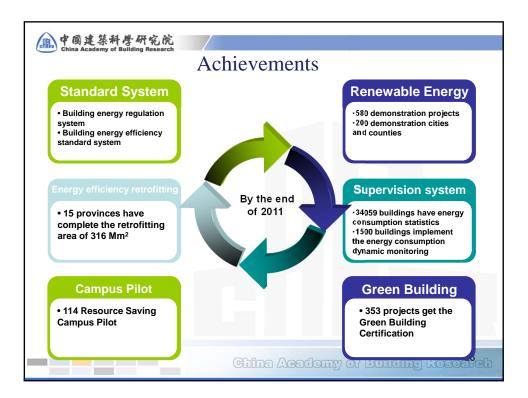




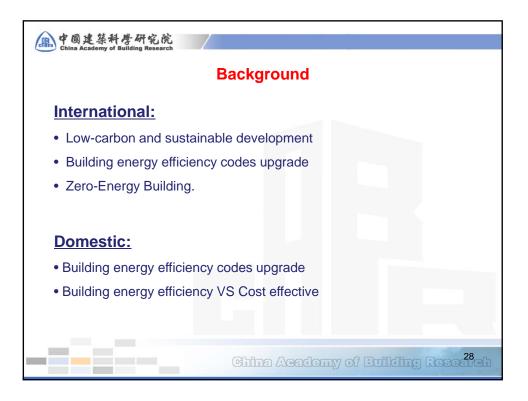


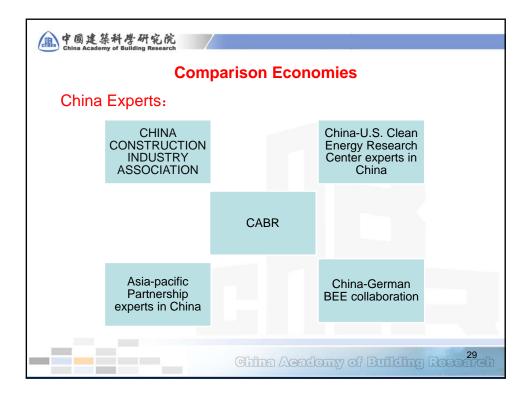


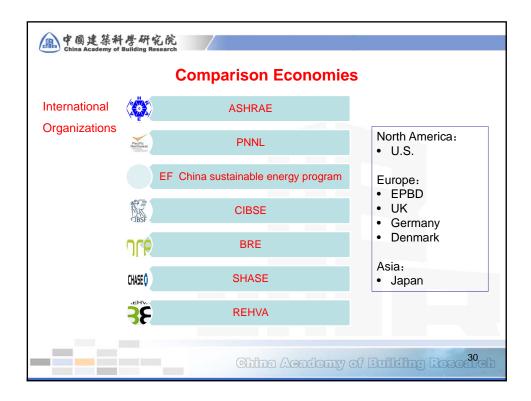


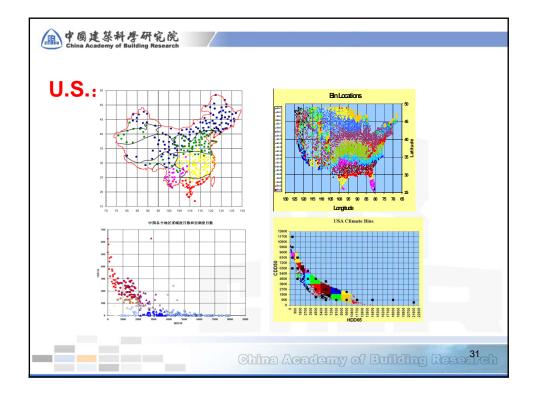




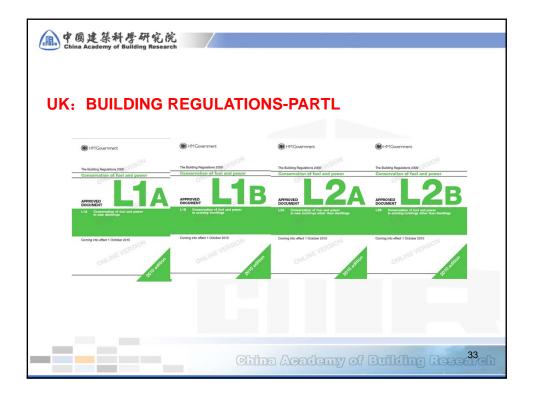


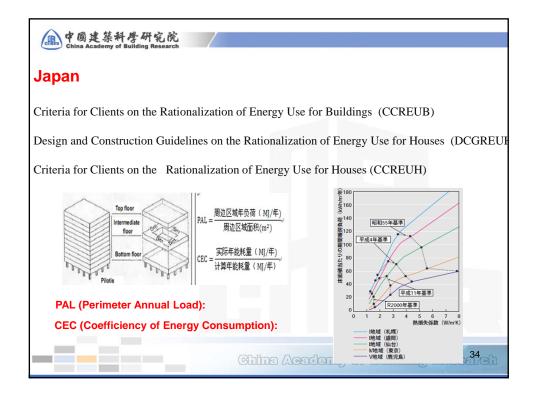






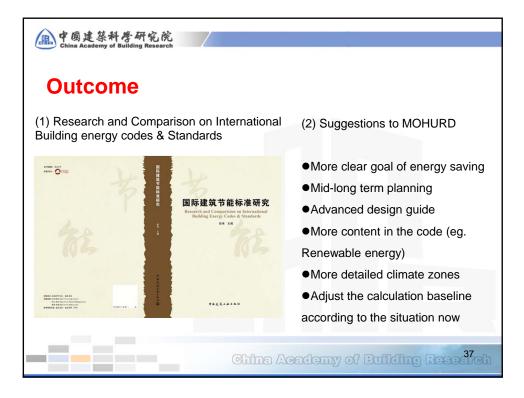






International collaboration								
Date	Location	Organization	Meeting TOPIC					
August-10	US-ASHRAE headquarter	ASHRAE	China-US building energy efficiency codes and standards workshop China-US building energy efficiency and carbon emission workshop					
March-11	China-CABR headquarter							
	UK-BRE headquarter	BRE	China-UK building energy codes and standards semina					
	UK-CIBSE headquarter	CIBSE	China-UK building energy codes and standards semina					
October-11	Belgium, Brussels	REHVA	REHVA Technical Seminar on Buildings Related EU Regulations and Projects					
	Belgium, Brussels	European Commission- Directorate-General for Energy.	China-EU Building Energy Policies Workshop					
	US.Richland	PNNL	Building Codes					
August-12	US.DC	USGBC	LEED V3					
August-12	US.DC	USDOE	Federal Energy Management Program					
	US.San Fransicio	LBNL	ASHRAE 90.1					











	ling Research			
	Gree	en Building		
echnical system	n			
• 2006, National S	Standard Evaluation st	tandard for green	building	
• 2007, Specific to	echnical guideline for g	reen building eval	uation	
(Design part)	l regulations of Specific	-		
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廳 中國建築科學研究院 China Academy of Building Research									
Green Building									
Evaluation system									
Grade	Basic Requirements	General Requirements					Priority Requirements (Preference)		
		Land efficiency	Energy efficiency	Water efficiency	Material efficiency	IAQ	O&M	(
		6	10	6	5	6	3	12	
*	Conform	3	4	3	3	3	1	0	
**	Conform	4	6	4	3	4	2	5	
***	Conform	5	8	5	4	5	2	8	
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