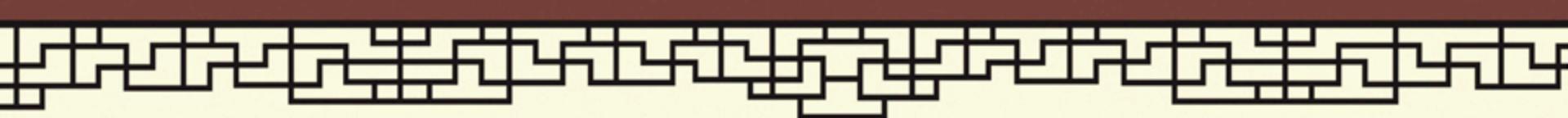


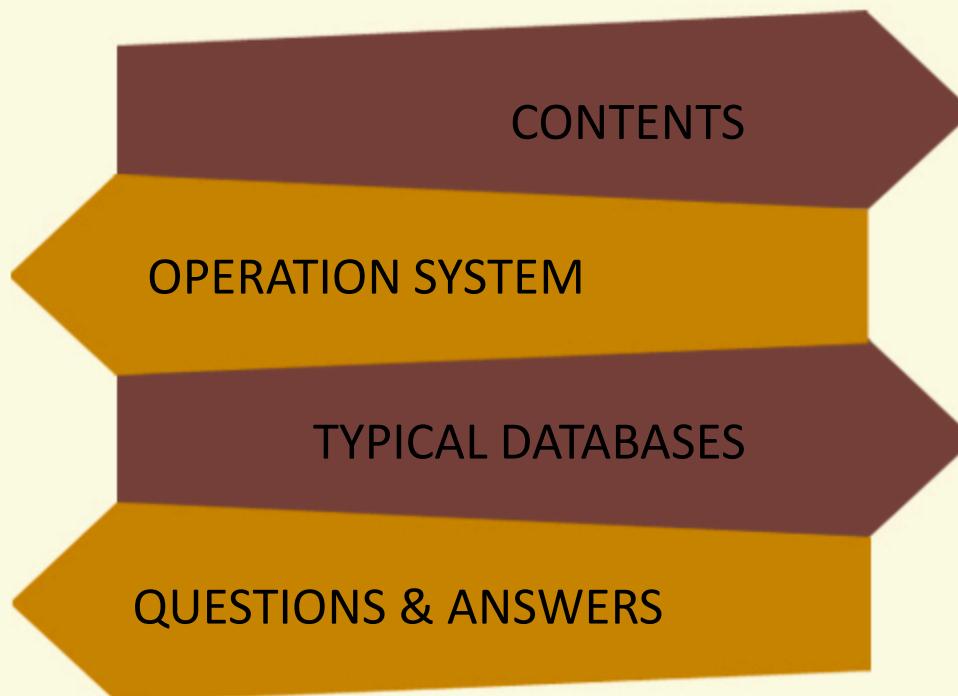


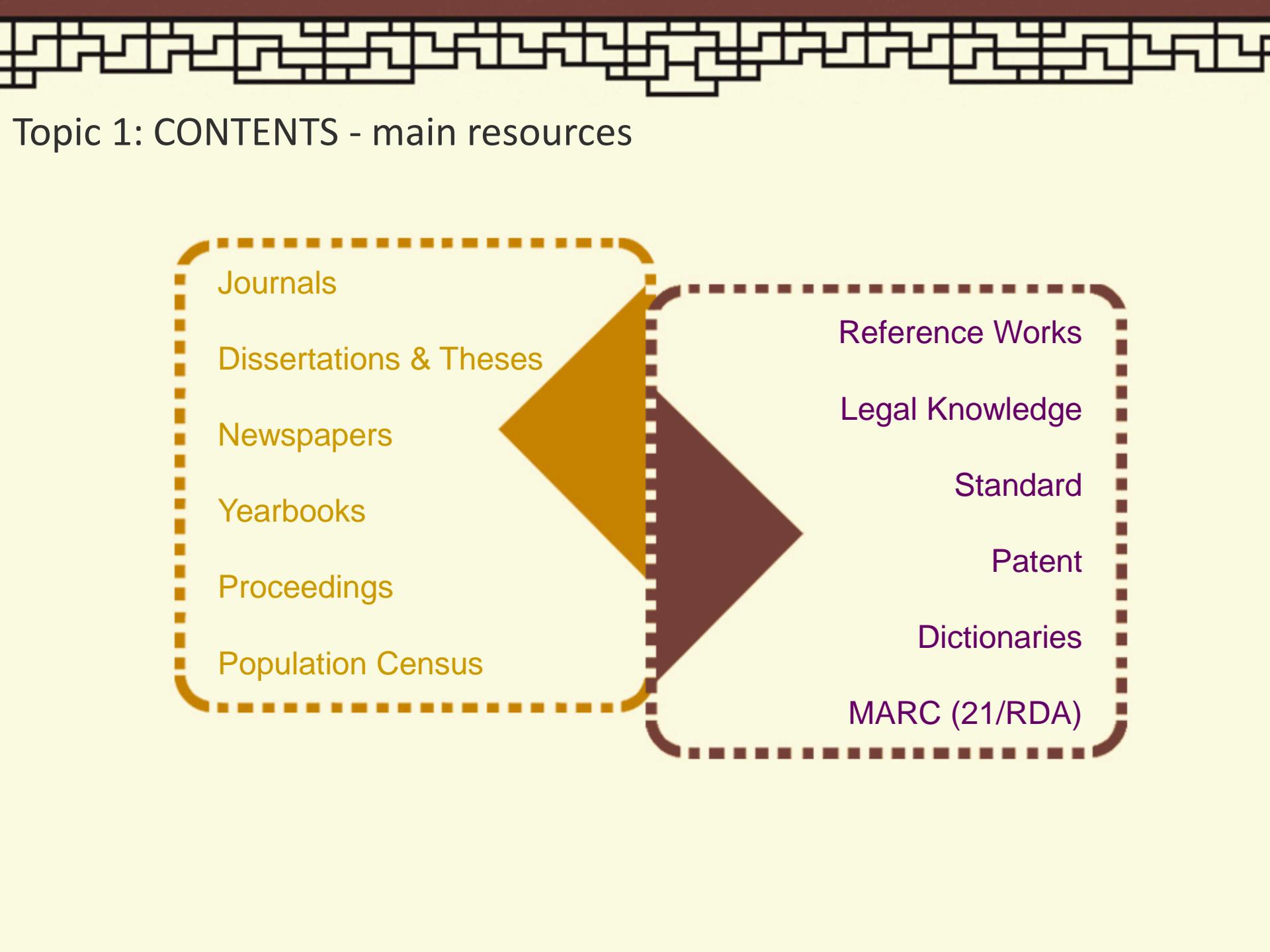
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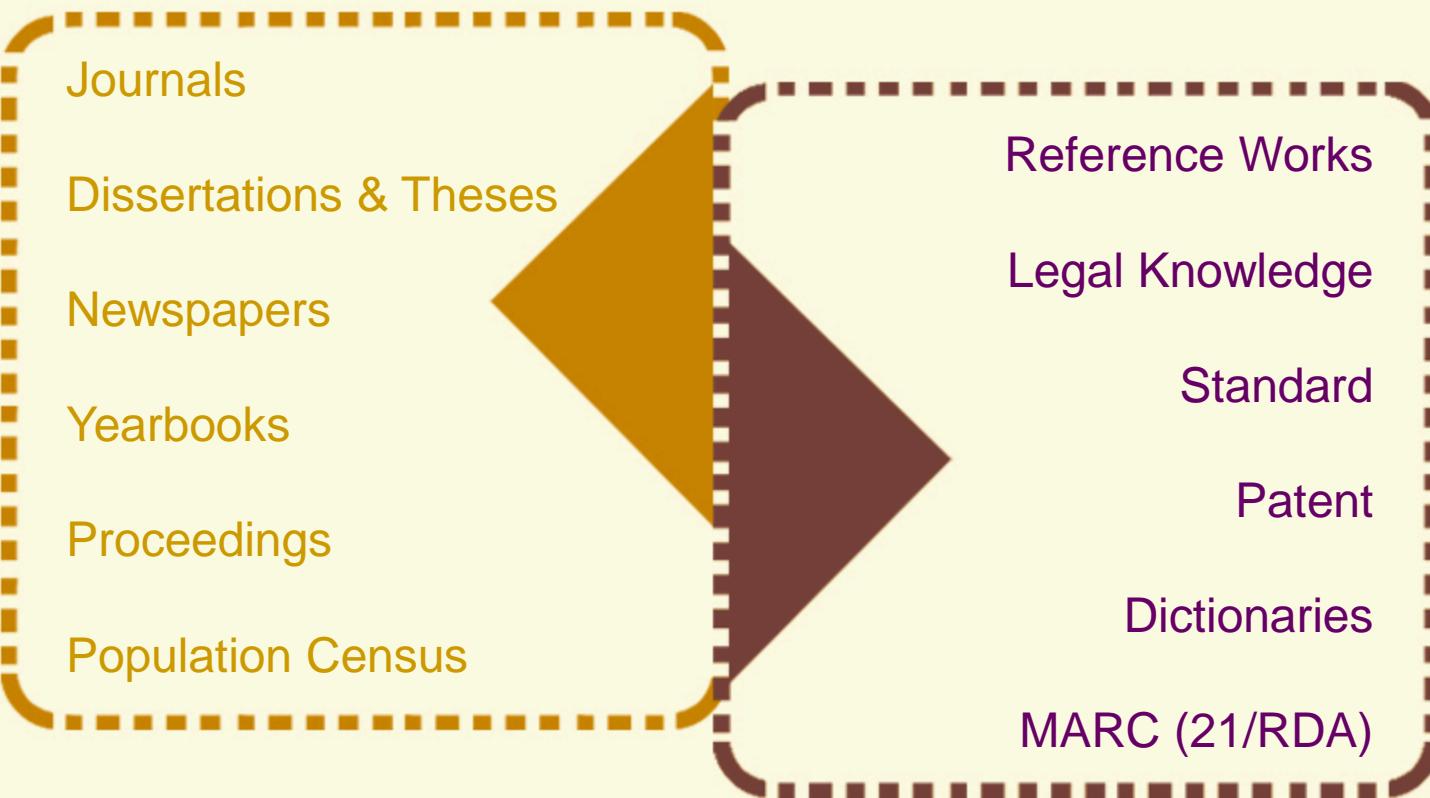


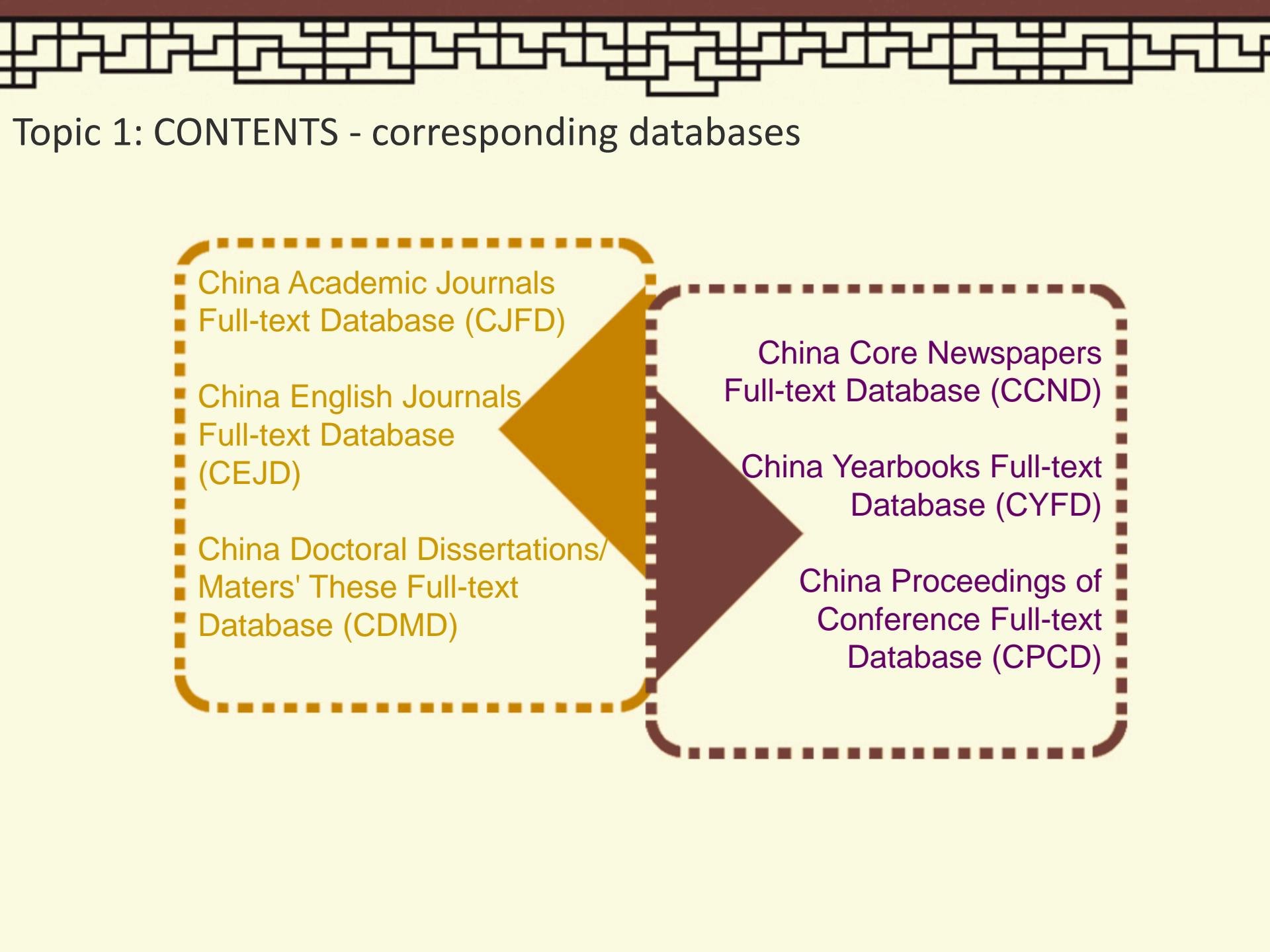
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Topic 1: CONTENTS - corresponding databases





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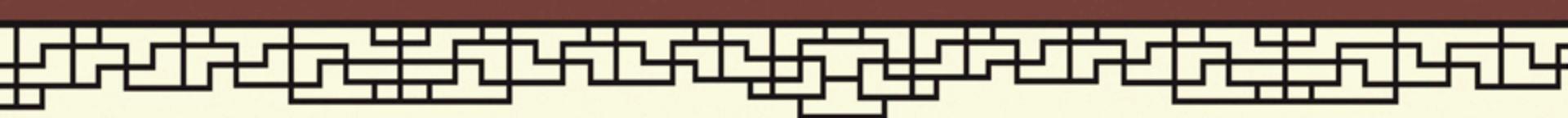
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Chin. Sci. Bull. (2014) 59(5–6):459–467
DOI 10.1007/s11434-013-0081-9

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Invited Article

Semiconductor Technology

A new implementation of image-processing engine for 3D visualization and stereo video stream display

Chenyang Ge · Zuoxun Hou · Huimin Yao ·
Nanning Zheng · Wenzhe Zhao

Received: 11 January 2013 / Accepted: 31 May 2013 / Published online: 17 January 2014
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Abstract This paper presents a new implementation of a high-definition image-processing engine, which mainly targets the 3-dimensional (3D) visualization and stereo video stream display of binocular display equipment. The engine is compatible with the mainstream analog and digital stereo videos in component format and is able to receive stereo composite video broadcast signals using an integrated analog stereo video decoder. The four modules include a spatio-temporal scaling transform engine, a 2D–3D converter, an image animating engine, and a 2D scalar operating in pipeline architecture to implement the video format conversion and the stereo effect enhancement. Furthermore, the data access, hardware structure, and system-level configurations are optimized. Finally, the proposed architecture is realized by 0.18 μm CMOS technology. The application-specific

including military, medicine, virtual reality modeling, and relative advanced technology since it was first proposed in 1965 [1–5]. Restricted by the design and manufacturing technology of display devices, previous applications focused on complex systems [6, 7], which mostly relied on high-performance computers to control the hardware components and to implement the software algorithms. However, the breakthrough in microdisplay devices promoted the application of HMDs in consumer electronics [8–10]; some progress has been made in the 3D display field in the current market [11–14]. Thus, as the most direct way to render stereo images and through its advantages in portability and privacy, HMDs have great potential for enriching the functionality of traditional mobile TV, DVD, MP4, and other mobile devices [15].

Focusing on practical display applications, it is

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Node Document

衰老叶片和叶绿体中H₂O₂的累积与膜脂过氧化的关系

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【Author & Institution】 LIN Zhi-Fang;LI Shuang-Shuan;LIN Gui-Zhu;Guo Jun-Yan South China Institute of Botany, Academia Sinica, Guangzhou 510156

【Institution】 中国科学院华南植物研究所; 中国科学院华南植物研究所 广州 510156; 广州 510156; 广州 510156;

【Abstract】 Lipid peroxidation is reported as one of the most deteriorative reactions that result in damage to membranous cellular constituents, especially the subcellular organelles during leaf senescence. For further understanding leaf senescence in relation to lipid peroxidation, the content of active oxygen H₂O₂ in senescing leaves and aging chloroplasts, the effect of exogenous H₂O₂ on lipid peroxidation of chloroplast were studied. The content of H₂O₂... More

【Key words】 hydrogen peroxide; senescence; lipid peroxidation; hydroxyl radicals;

【Fund】 国家自然科学基金

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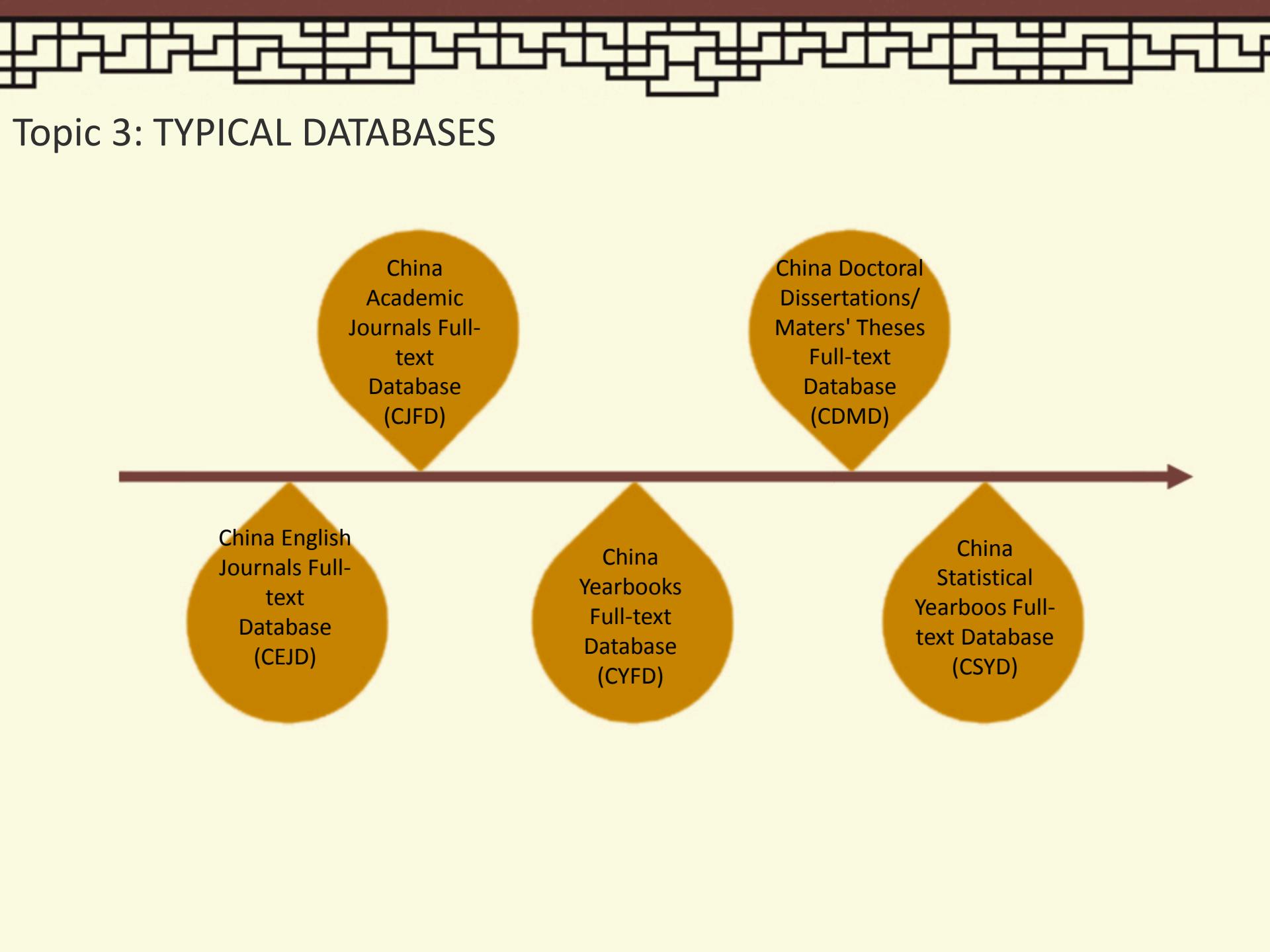
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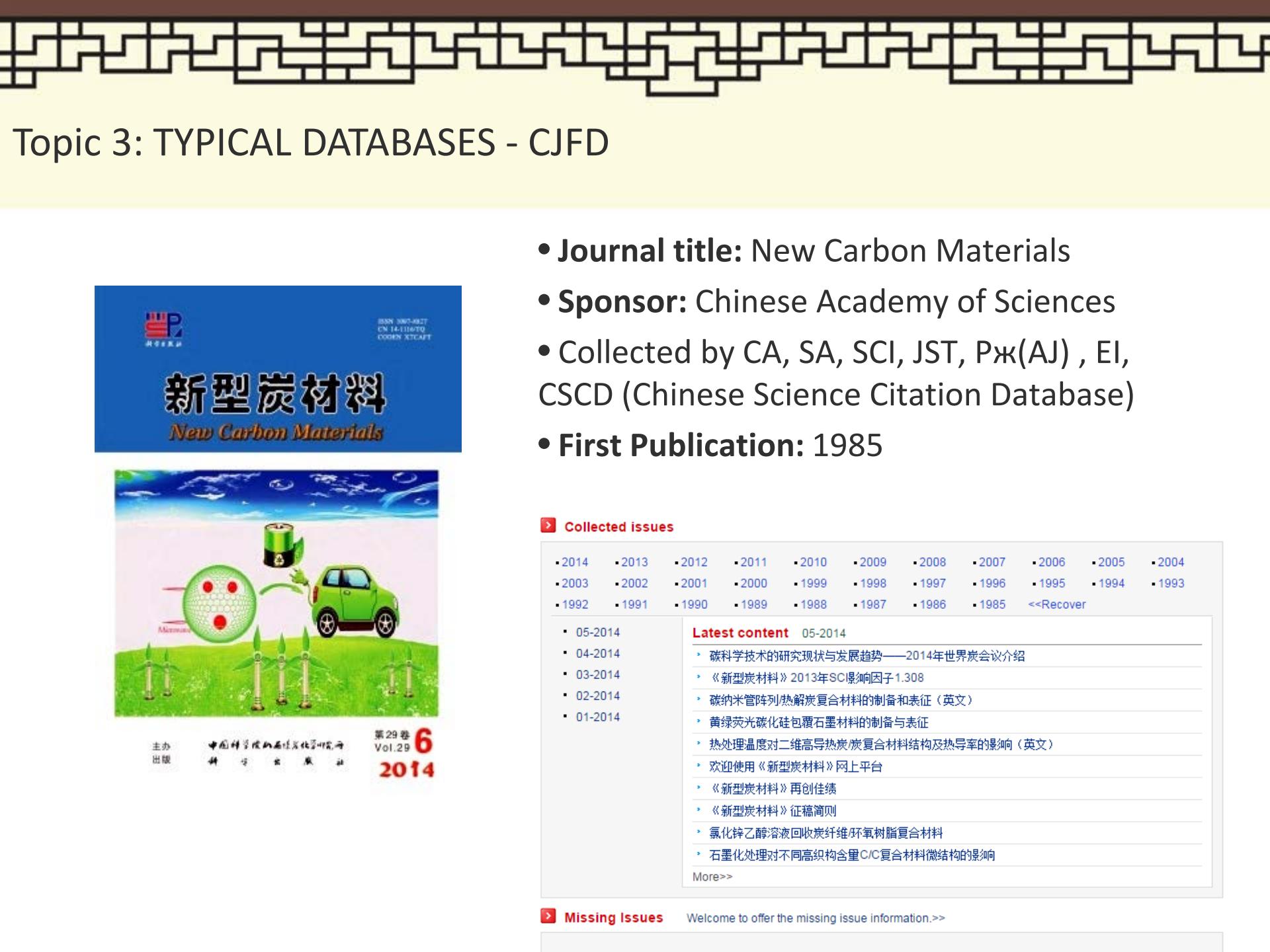


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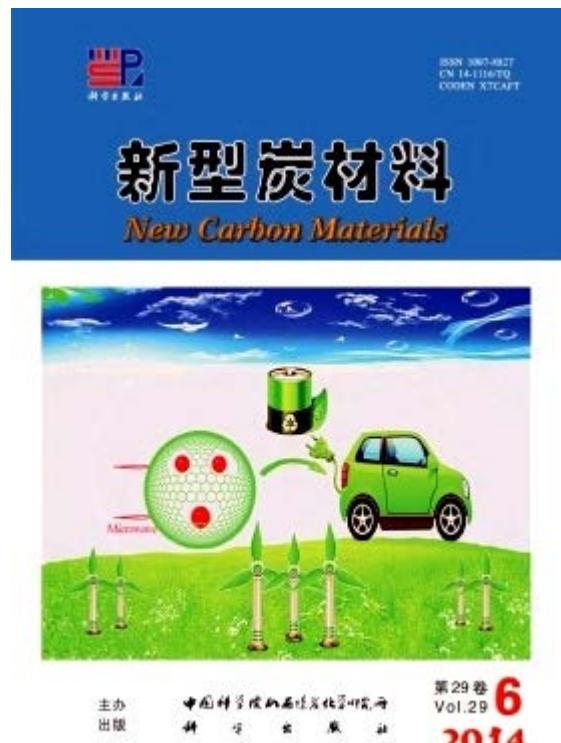
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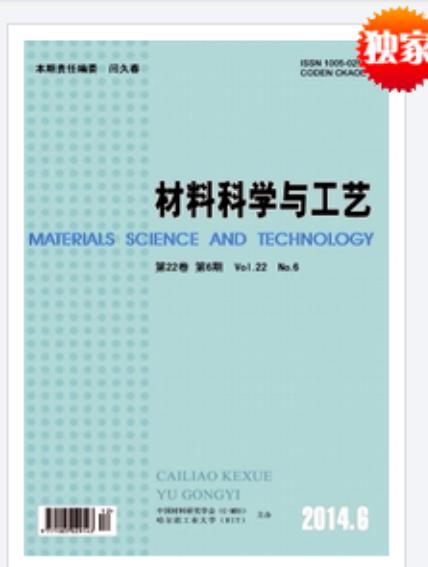
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China Nonferrous Metals Monthly - by China Minmetal Corporation

China Petroleum Processing and Petrochemical Technology (CA, SCI, Рж(AJ)) - by SINOPEC Research Institute of Petrol Processing

Medicinal Plant - by Wu Chu (USA-China) Science and Culture Media Corporation, published in USA

Journal of Chinese Pharmaceutical Sciences (CA) - Chinese Pharmaceutical Association

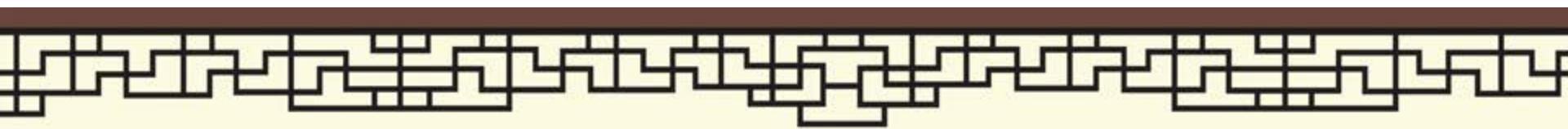
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International Eye Science (CA) - by Chinese Medical Association

Beijing Review - the only newsweek in China (established by Premier ZHOU Enlai)

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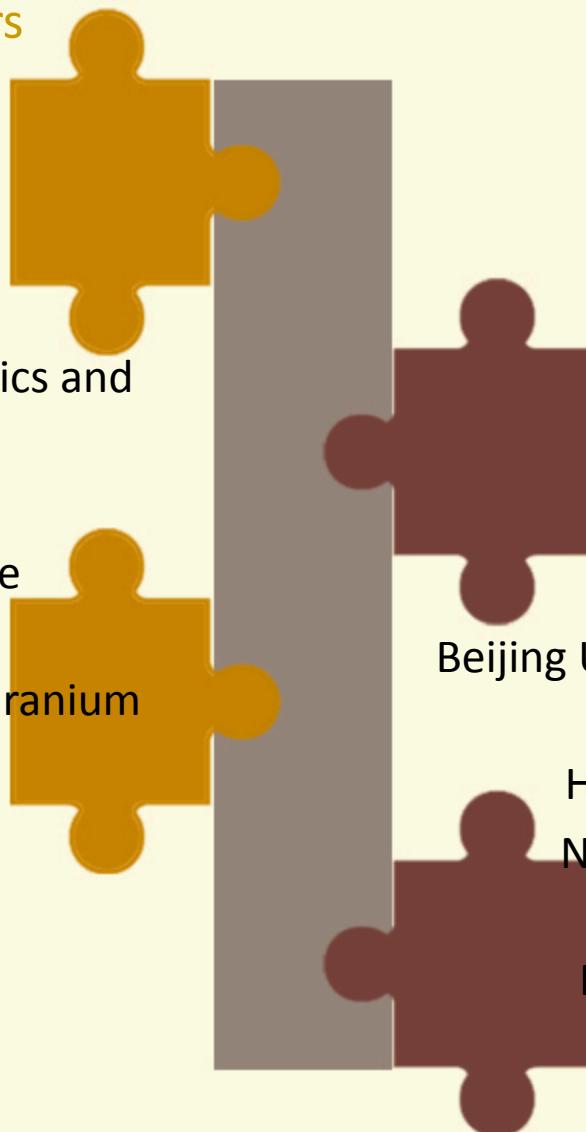
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Constructions Industry	Education
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Information Transmission, Computer Services and Software Industries	Social Security and Social Welfare
Wholesale and Retail Trade	Culture, Sports and Entertainment Industries
Hotel and Catering Services	Public Management and Social Organization
Financial Industry	International Organizations
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- Classified by Industry (see left hand bars), Subject and District.

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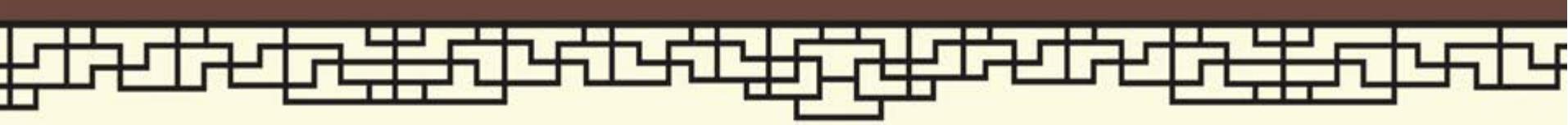
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GFMS



- Yearbook title: Gold Yearbook
- Editorial institution: Beijing Gold Economy Development and Research Center





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3:1993;1997
4:1993;1997;2000-2005

The years you have selected: [Clear all](#)

2003-2013;

Select table format: Year-District Index

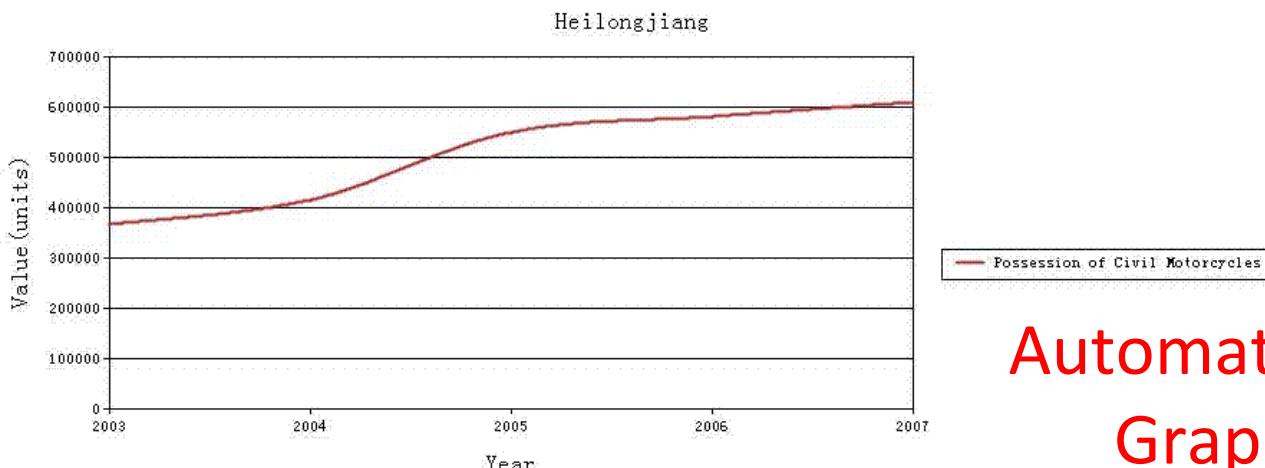
	Jiangsu	Liaoning	Heilongjiang	Shanxi	Tianjin
	Possession of Civil Motorcycles(units)				
2003		991310		364601	
2004	6632799	971082		414732	
2005	7099837	1175358		549455	929018
2006	7520758	1201459		581040	
2007	8877535			608415	

The data of the table derive from HEILONGJIANG STATISTICAL YEARBOOK(2004), HEILONGJIANG STATISTICAL YEARBOOK(2006), JIANGSU STATISTICAL YEARBOOK(2005), JIANGSU STATISTICAL YEARBOOK(2007), LIAONING STATISTICAL YEARBOOK(2004), SHANXI STATISTICAL YEARBOOK(2006).

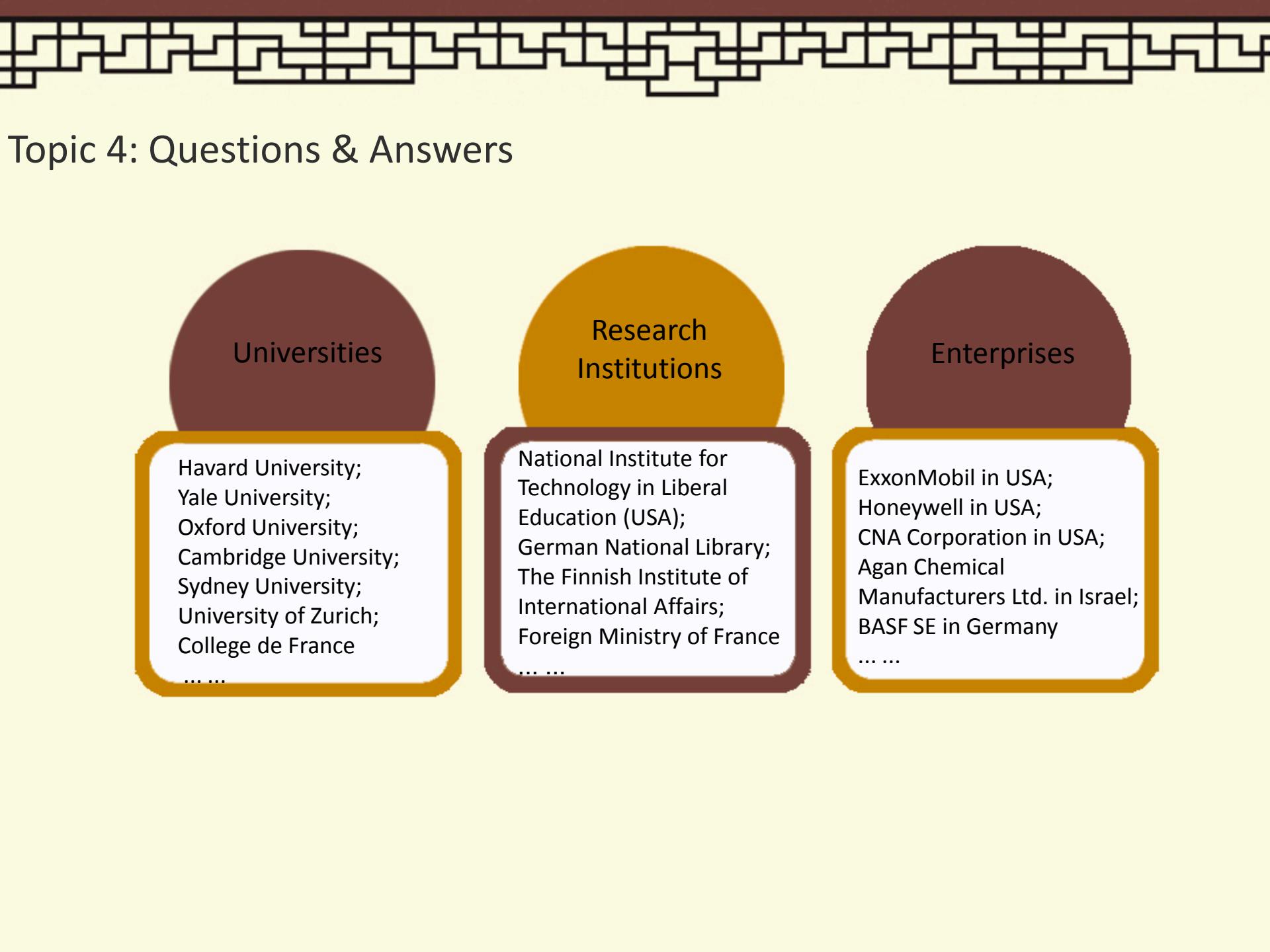
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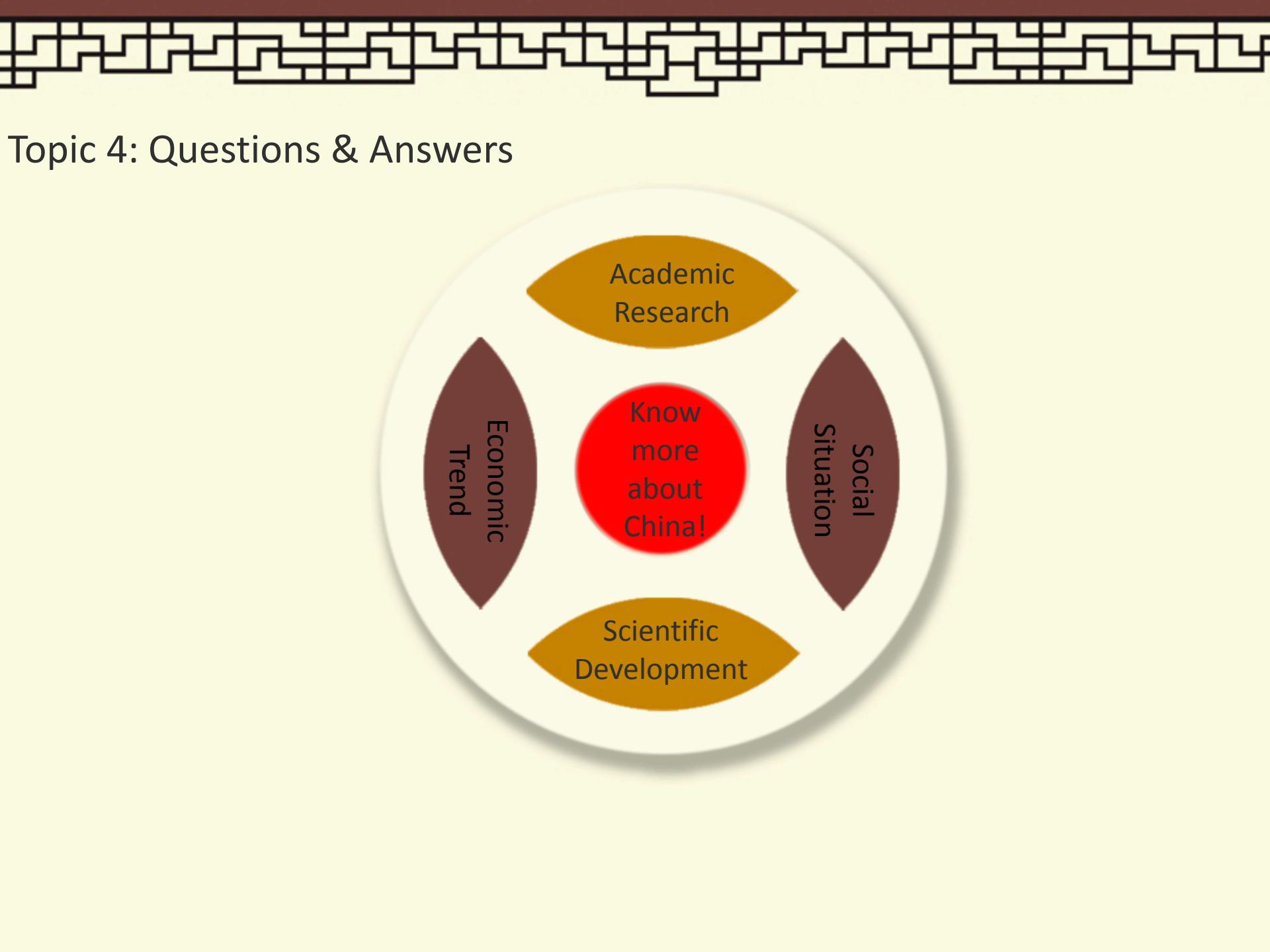
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1. Single index analysis Figure format: Curve Index: Possession of Civil Motorcycl District: Heilongjiang Whether to show value: No Generate statistical figure



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Graphs and tables







GUO Liyan

10/01/2015