

## Profile of the Chinese Civilization in Time and Space (CCTS) System

### Introduction

Based on the requirements of multi-disciplinary research applications, the goal of this system is constructing an integrated GIS-based application infrastructure on the spatial extent of China, in the timeframe of Chinese history, and with the contents of Chinese civilization. Although target users of this system are primarily set to be scholars, academic experts, and schoolteachers, most general spatial- and temporal-based applications are also provided. And we are expecting to establish a feedback mechanism of collecting research and application results continuously to fertilize contents and elaborate the value of information integration for our users.

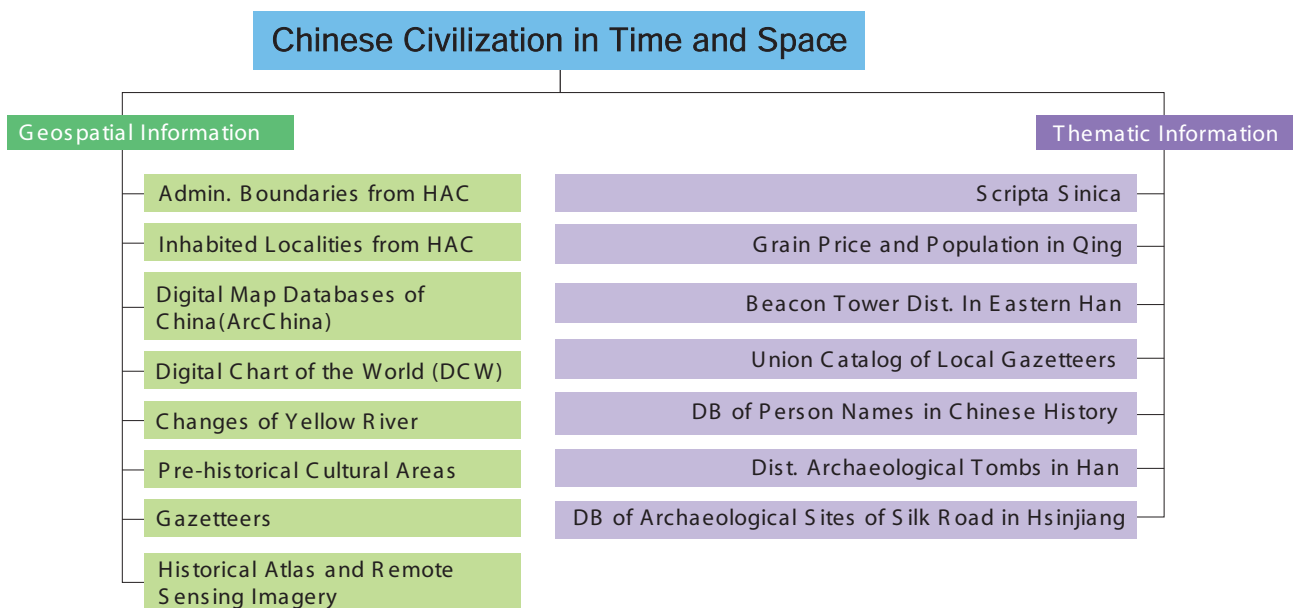
### System Components

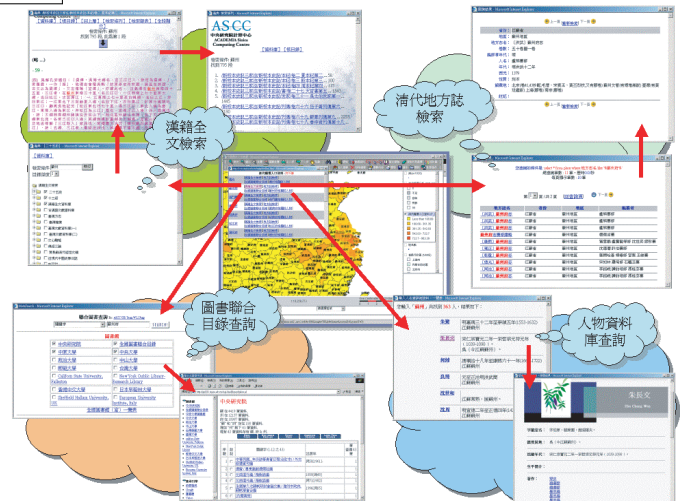
This system consists of basic geospatial materials, WebGIS integrated application environment, and thematic information. The fundamental base maps come from Dr. Tan's "The Historical Atlas of China", which provides with 2000-year long Chinese historical features from the ancient time to Qing dynasty. Furthermore, various historical and contemporary atlas and remote sensing imagery are persistently geo-referenced and overlaid into the system to broaden the spatial and temporal scope.

### System Features

1. A WebGIS-based distributed application infrastructure is constructed to provide both content navigation and Web mapping.
2. Lower the cost for doing things in GIS way, and with shorter learning curve.
3. Capable of integrating any geospatial and attribute information in the Internet.
4. Users could upload their results (for example, maps, attribute databases, or thematic databases) and contribute to the system, or just save to their local clients alternatively.
5. Having scalability, integration and security consideration into the design.
6. The systems of Scripta Sinica (漢籍電子文獻系統) has been integrated with CCTS. A virtual Sinological research environment could be fulfilled by continuous integration of all kinds of public information system and research outcome.

### Information Contents





朝代	數化年代	一地一點 總筆數	一地多點													古今相同 地名數 (coding=1)
			總數	行政層級							其它		軍事			
				國都 AD	陪都等 A66	一級 AE	二級 AF	三級 AI	四級 AM	羈糜州 A77	無地名點	註記	一級 BE	二級 BF	三級 BI	
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	1413-1430	42	42	2	0	2	5	3	14	0	3	4	0	9	0	19
	1433	246	270	0	0	0	36	68	100	0	12	26	0	24	4	63
	1436	46	48	0	0	0	1	5	17	0	4	7	0	12	2	11
	1449	111	124	0	0	0	2	25	64	0	0	0	0	24	9	29
	1484-1509	90	91	1	0	0	10	17	62	0	0	0	0	1	0	32
	1582	4693	4999	3	15	16	238	1565	2762	0	11	24	0	186	179	1365
	1682	44	45	1	0	1	0	2	40	0	1	0	0	0	0	9
清	1820	10384	10621	1	0	25	276	1894	8310	0	111	4	0	0	0	1757
合計	56 個數位檔	46143	51181	165	85	1006	7214	18820	18916	593	1869	1416	255	534	307	11241
		相差	5038													