Open Access in China: Potential & Strategies

9th Fiesole Collection Development Retreat Hong Kong April 2007

Corrie Marsh, HKUST





HKUST as early leader in HK with first IR and digital library collections



HKUST collection of OA resources—IR conference to examine future 2004 at UST

Hong Kong Universities

University Grants Committee (UGC) Heads of Universities Committee (HUCOM) and Joint University Libraries Advisory Committee (JULAC)

SPARC –International Scholarly Communications Alliance (ISCA) global network organizations since 2002

NEW for 2007! Promotion of policy for publicly funded research to be submitted to open access repositories to facilitate scholarly communication and broader access. Administrative workshop planned-sponsored by HUCOM and Soros Foundation.

Strong univ consortia OA support in HK Original members of SPARC Global Network Orgs New efforts in 2007 for OAR policy in Hong Kong

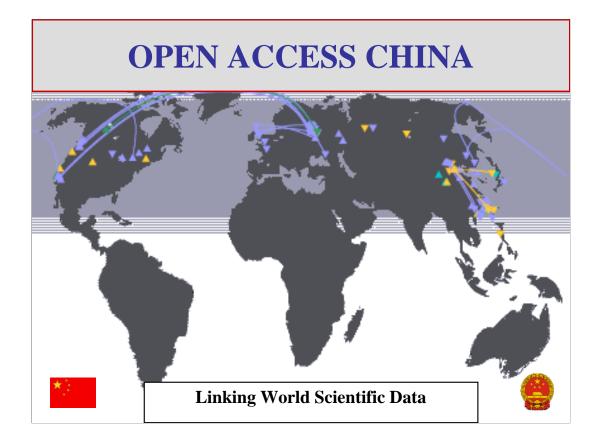


The 8 univ. have now created systems for linking our digital projects and IRs



In Hong Kong one can see the efforts of OA in the open availability of professional journals and

In a recent news item the govt has received support for creation of a cultural heritage repository.



Moving north to mainland China-While I realize the concerns about Internet censorship in Mainland, there are huge efforts in the govt to open and share scientific data with the world. I would like to provide an overview of some of these specific OA initiatives.

Some Key Implementers & Supporters



Dr. Xiaolin Zhang Chinese Academy of Sciences Library Director (CAS) Meta-data for scientific objects and interoperability



Kai Nan Computer Network Information Center (CNIC), CAS E-Science project to launch by mid-2007

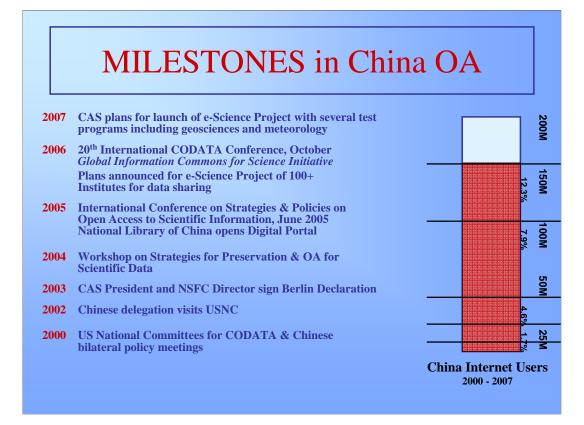
Dr. Qiheng Hu, Chinese Academy of Engineering, Assn for Science & Technology, and CAS "Open access is a necessity to promote capacity building in science and technology"





Jinpei Chang, Ministry of Science & Technology (MoST) "Strengthening China's cooperation with developing nations for S&T"

These are some the implementers and influential supporters of OA in China and I will be referring to them and their organizations as we examine what has been developing in mainland China



One can readily see the progress of China OA over the past 7 years as they moved from bilateral exchange into sponsoring workshops on strategy and policy and now creating new OA portals for datasharing.

I thought it was also interesting to note the population of Internet users during the same period of time increased from 22.5m in 2000 and the estimates for 2007 are 163m.



Dr. Zhang (Tjan(g)),

director of the Chinese Academy of Sciences Library and involved in worldwide OA initiatives, reviewed the challenges and solutions in Mainland China at the most recent CODATA conference in Beijing. These challenges are the same as those in other parts of the world: professional evaluation is based on high-impact journal publishing, as well as lack of funding and infrastructure.

			2006 e-readiness score			
2006 e-readiness rank	2005 rank	Country	(of 10)*	2005 score		
1	1	Denmark	9.00	8.74		
2	2	US	8.88	8.73		
3	4	Switzerland	8.81	8.62		
4	3	Sweden	8.74	8.64		
5	5	UK	8.64	8.54		
8	10	Australia	8.50	8.22		
9	12	Canada	8.37	8.03		
<u>10</u>	<u>6</u>	Hong Kong	<u>8.36</u>	<u>8.32</u>		
12	12	Germany	8.34	8.03		
13	11	Singapore	8.24	8.18		
14	16	N. Zealand	8.19	7.82		
18	18	South Korea	7.90	7.66		
21	21	Japan	7.77	7.42		
23	22	Taiwan	7.51	7.13		
35	32	S. Africa	5.74	5.53		
37	35	Malaysia	5.60	5.43		
41	38	Brazil	5.29	5.07		
46	46	S. Arabia	4.67	4.38		
47	44	Thailand	4.63	4.56		
52	52	Russia	4.30	3.98		
53	49	India	4.25	4.17		
56	51	Philippines	4.04	4.03		
<u>57</u>	<u>54</u>	<u>China</u>	<u>4.02</u>	<u>3.85</u>		
61	57	Ukraine	3.62	3.51		
62	60	Indonesia	3.39	3.07		
65	59	Iran	3.15	3.08		
66	61	Vietnam	3.12	3.06		
67	64	Pakistan	3.03	2.93		

As a corollary, it is interesting to see on this report from the Economist that China still ranks very low in world rankings for "e-readiness" for development and commerce.

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Dr. Zhang further added his summary of solutions for advancing OA in China; including revising incentive systems, collective payment systems, central clearinghouse for IR, and a national STM platform to support the technical infrastructure.



This is a listing of some of the major OA programs and I would just like to scroll through a few screen shots of a few of these OA sites for you.



Since opening their digital portal, the National Library has also named themselves the National *Digital* Library of China!



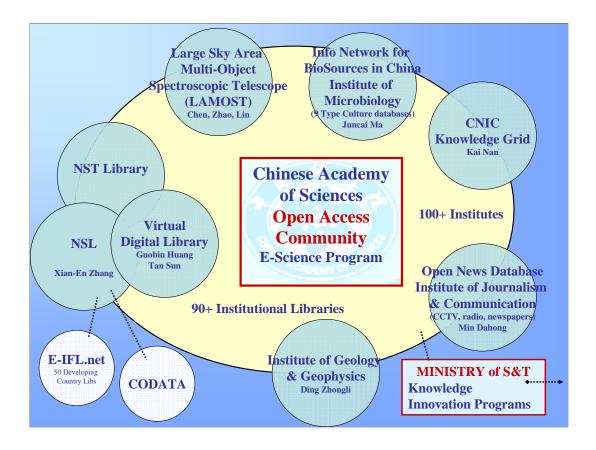
CISTC is a good source for data-sharing project updates, worldwide science research, and China laws and regulations



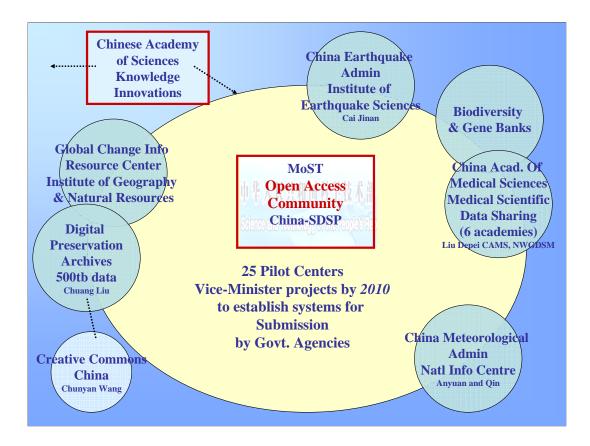
NSTL is a government funded virtual library created through the collaboration of major national level libraries and information research institutions.

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CSTnet providesTechnology network news and cooperative projects joining multiple institutions.



This drawing Illustrates the Community of OA from the Chinese Academy of Sciences-Over 100 institutes and over 90 libraries; Dr. Zhang's efforts also extend to the e-IFL net of 50 developing countries digital collections and the CODATA efforts for worldwide sharing of scientific knowledge. I have included the contact names for some of the major scientific database systems if you have any interest. The intersection of the CAS and the Ministry of Science & Technology...



Leads to the SDSP efforts at MoST and the community of open, shared database systems..

In conclusion, we have Vice-Minister Chang's predictions for established systems by 2010.

Thank you very much!

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