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U.S. and Western China are Partners in WTO, Global Resource Management, Agribusiness and Ecosystem Analysis

By

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ABSTRACT

Western China has many biodiversity, environmental resource, trade, rural finance, ecosystem and information technology challenges similar to both the Western U.S. and Europe. In the Western U.S. we work with a number of cultures and groups to focus on solutions related to many issues we are discussing at the conference including:

- Biodiversity, ecology rehabilitation, sustainable development of a rapidly growing population. America's Southwest is one of the fastest growing regions in world. Many Southwest American cities grew over 25% in the past ten years.
- Parched and fragile soils which are challenged by wind, flash floods and animal related damage.
- Trade related impacts to assure sustainable ecosystems related to agriculture, forestry, irrigation systems, and transportation and mining corridors. China's entry into WTO is both an opportunity and challenge to Western China. The Western U.S. has been facing this challenge for the past five or six decades. For example, the Arizona- China trade has increased to over \$300 million dollars in the past decade alone. This assists peoples-- their economies and wellness.
- Social and Economic Issues related to Globalization, and rural empowerment and development of many different cultures in the region. In Arizona we have over 30 different native Indian nations, a large Chinese community and Latino culture. An economic development in the Western U.S. must take into account the flora and fauna, which is unique to the region. Debates such as Chinook Salmon, Colorado River Basin Issues, and Western soil conservation must be addressed and solved. This is not easy. As you can see I am a certified environmental and agricultural mediator. We have over 3000 disputes a year, which we must try to solve or face long and costly legal and public debates. These

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produce a number of issues, which are similar to the challenges, we will discuss at Western Chinas Eco-environmental Protection Project conference.

- Key environmental management techniques, such as the Sonoran Planning Project to coordinate government, industry and individual issues are critical to our success in the Western U. S. and Northern Mexico. We are working with the Chinese National Academy to maximize with LIMITED budgets the efforts here in Western China.
- Arizona has many Ecosystem and Information Technology Challenges similar to both China and Europe. Using the Internet you can visit <http://www.east.asu.edu/> and understand our new programs to assist hazards management and remediation and provide rural areas in Arizona and Northern Mexico with improved flora, fauna, jobs, income and sustainable ecosystem for current and future generations. It is not an easy task with our fragile ecosystems, soils, arid conditions, and economic systems.
- Additionally, the Western China Research Institute is working at ASU in Hazards and Bio-remediation, nutrition and wellness, Biotechnology, and Global Information Technology Expansion in Printing and electronics area.
- Rural Empowerment of rural peoples. Forcing flight to Mega cities in the Western U.S. is not an answer to improving standards of living and the quality of life. Jobs, income and communal activities cannot be supported without an effective economic system.
- Raising rural capital for infrastructure and need of technology centers. It is interesting to note that China's ADR's (American Depository Receipts) rose last month in New York based upon the global and regional progress in China and the capital markets. The U.S. raises publicly hundreds of billions of dollars for needed rural infrastructure. As the past Chairman of the U.S. government's FSA's (Farm Service Agency) Asset Sale Committee I raised over \$6 Billion dollars for rural homes, hospitals, and other needs of the U.S. rural peoples.

We have developed a strategy for ecological and economical development that allows us to better manage Arizona's many different ecosystems compared to other U.S. regions. The Western U.S. is similar to most parts of Western China. Arizona has a number of ecosystems and must manage them effectively including:

1. Valleys
2. Air
3. Rivers
4. Mountains

5. Sea Coast (Sonoran Plain)
6. Forests
7. Arid and fragile Lands

In managing the Western U.S. and Arizona's Ecosystem we must use a number of techniques and scientific technologies including managing the regions' Air Resources. For example, Phoenix and Los Angeles are two of the most challenged air management basins in the U.S. Managing Water with Cooperatives such as the Salt River Water Cooperative so that water and power are delivered efficiently and cheaply. Managing rural public and private agribusiness lands and Institutions. I am the Director of the Rural Mediation and Finance training unit, which work with a number of these conflicts and disputes to settle them peacefully, quickly and inexpensively.

It is not always possible in Settling Disputes among diverse stakeholders, industries and government groups. Some of the most key areas include:

- Managing Diverse Cultures including 27 nations of Native Americans
- Mining Copper and other minerals
- Harvesting large volumes of timber from both public and private lands
- Managing fragile ecosystems such as the Grand Canyon, which has 10 million visitors a year. With the Beijing Olympics, Western China will have some of the same general problems.
- Irrigating the West and Arizona with only some 20 million acre of water
- Working with various forms of government, cooperatives, and organizations such as corporations, cooperatives, and mixed businesses
- Arizona's Land Administration Units
- Modern public and private Universities
- Focus on new information technologies and data management systems
- Improving Transportation corridors as the number of goods, people and forms increase rapidly
- Small Business and incubators for high technology
- Hazards reduction and remediation
- New Educational and Distance Learning such as Internet and CD ROM utilizing gains made in other regions and areas.
- Providing Practical Technology Transfer Projects such as International Project Unit at Arizona State University
- GIS and Computer Aided Analysis

- Water and Ranch Management including Goats, Cattle, Elk, and other species
- Global Peacemaking and Alternative Dispute Resolution Units
- NGO, Regional, and Cooperative Management requirements
- Over 3000 degree and certificate Programs now in Arizona and surrounding states
- Improving Chinese Week and Community Linkages including Sister Cities, associations etc.
- Rural Mediation and Finance Center

Indeed, we at Arizona State University and the Western U.S. China Institute have reached Major Research status. We have been able to help Western China improve its libraries. Our ASU Library with over 3 million volumes, books, 6.8 million microform, and 36,000 periodicals is now available to innovators, faculty and students. We are focusing our research and efforts at four Campuses, a Research Park, an Airfield and Foreign Trade Zone. The New Campus Academic Programs at ASU East of interest to China include Hazards and Bio-remediation, Nutrition and Wellness, Biotechnology, and global Information Technology Expansion in Printing and electronics area.

The Western research and development is supported by the local peoples and the Business Community, the Real Estate Development groups, Public and Private Land Managers, Mining and resource development concerns, Civil Aircraft and Management of Transportation executives, incubators and Innovation Technologies, which can work with Emerging Markets all over the world.

The Western China Research team also helps bring additional resources such as TV (KAET) and Cronkite School of Journalism, a China Cultural Center, and several State of the Art Computer Centers for all major academic units.

Leading innovation and technology in the west requires scientists and executives to foster linkages with major computer and information technology centers and companies—Silicon Valley of Southwest. We consider Arizona in the roles as is shown in the results. In the past decade, Arizona and China Trade has grown close to 300% since 1993. As Arizona's merchandise exports to China has risen from \$67 million in 1993 to 267 million in 1998. The majority has come from Phoenix-Mesa. Over 50% come from Small to Medium Businesses.

Western U.S. can provide several examples to consider:

1. Salt River Project-A cooperative has worked in Water Management with several regions over the past three decades. This is one of world's Most Successful cooperatives
2. Companies like Motorola, International Water, International Power, and over 250 companies have worked in China.
3. Farm Credit and other business and academic leaders have worked on Rural Credit issues including irrigation, fish farming, and manufacturing technology in China
4. Several of Arizona's Mines have worked on several issues including Bio remediation of mines and other environmental challenges
5. The Phoenix Area has been able to "clean up" its non-attainment zone.
6. Information Technology
7. Ecosystem management and measurement including air pollution issues such as greenhouse gases, sulfur dioxide particulates, forest management
8. Water quality and quantity development
9. WTO and Trade Research related issues.
10. Wellness and Health Management
11. Arid Crop and Livestock Management
12. Desertification
13. Alternative Crops and Sustainable Development
14. "Added Value" Market Development
15. BMP (Best Management Practices) Education
16. ISO and other trade quality issues
17. The team has government, academic and business experience
18. Global Recognition and Service in Chinese, Emerging Market Management, finance and analysis
19. The Proposed Team has Financial Experience and has raised over \$6 Billion U.S. dollars in Global Capital Markets for Rural Projects and Infrastructure needs.
20. Lead Technology and Informatics projects in multinational team
21. Worked with many international agencies in Asia, Europe and the U.S.
22. Links to nine European Union resource based universities including U.K. Royal College
23. Many business partners in the U.S. and Europe

The Plans to be developed including:

1. CAS
2. Funding Agencies
3. CERN Teams
4. ASU Teams
5. Private Sector Teams

6. Chinese Universities
7. Rural Restructuring of Ecosystem, Agribusiness, Credit, and other academic programs
8. Certificate Training
9. Degree Collaboration
10. Visiting Scholars
11. Technical Exchanges
12. Providences and Municipality Management
13. Emergency Management including Fire, Rescue and Disaster Management
14. Traditional University Linkages
15. Agribusiness

Thus, we see that Western China has many trade, rural finance, ecosystem and information technology challenges similar to both the Western part of the U.S. and Europe. We will focus on working with these issues using the solutions we worked out with a number of groups in the Western U.S.