

Water VS. People:

The Nature Conservancy Yangtze River Conservation Project

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Oct. 24th, Portland



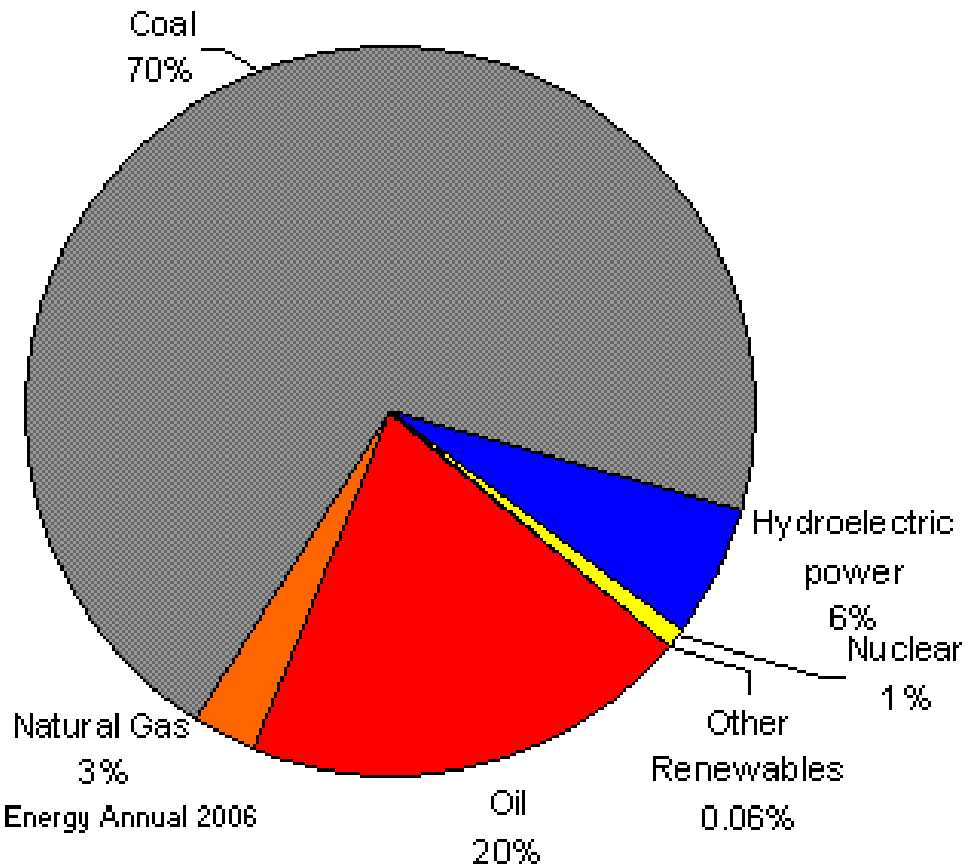
Environmental Issues



Energy Solution for China



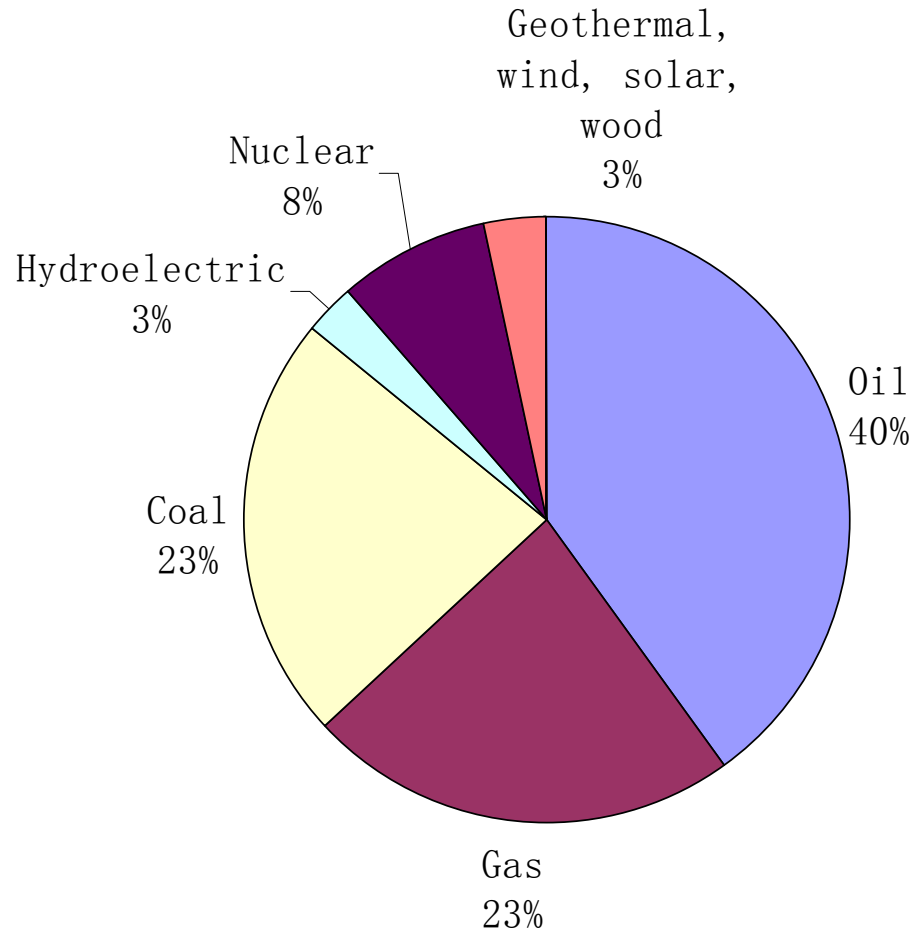
Total Energy Consumption in China, by Type (2006)



Source: EIA International Energy Annual 2006

Energy Consumption of US

Total energy consumption in US, by type (2004)



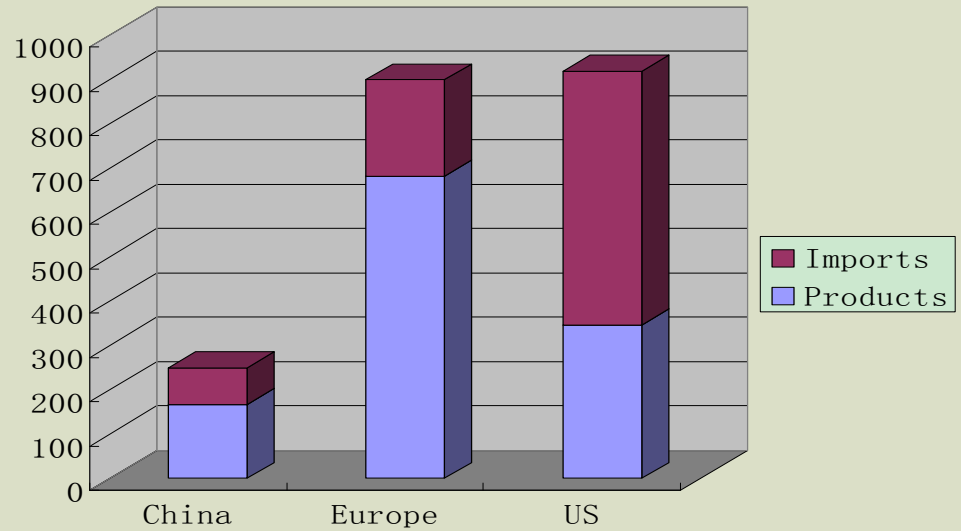
Source: US Energy Information Administration



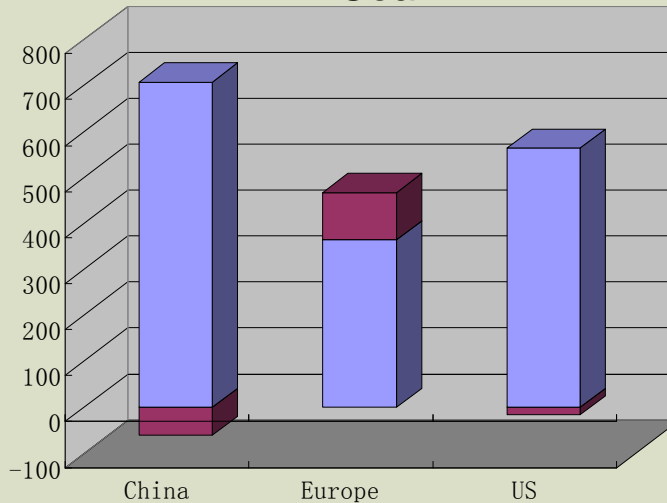
Energy Supply



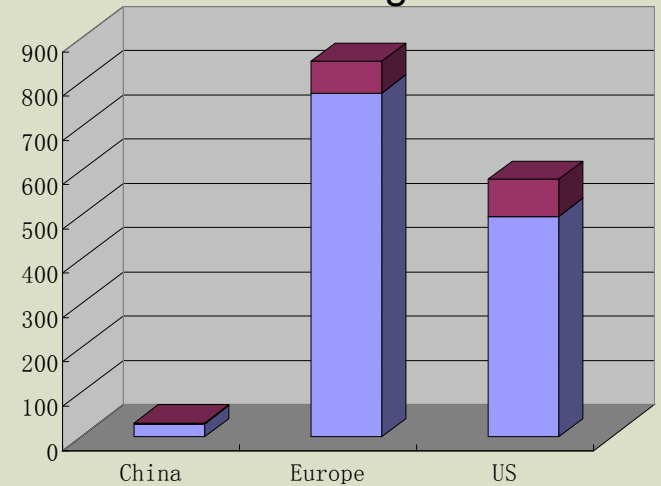
Oil



Coal



Natural gas





Critical Threats

Countries	Population	Land Area (square km)	Exploitable hydropower capacity per year (billion	2004/2005 hydropower output per year (billion	Installed hydropower capacity
France	60 million	549 thousand	72	69.8 (97%)	25.47
Norway	4.57 million	324 thousand	187	106.1 (57%)	27.7

To 2020, the total installed hydropower capacity will reach 300 GW (technical exploitable hydropower capacity is 541GW and economic exploitable hydropower capacity is 402GW), so the average increase per year will be more than 10 GW.



Key Strategies

**Yangtze River Freshwater Ecoregional
Assessment**

Environmental Flows

Hydropower Compensation Fund

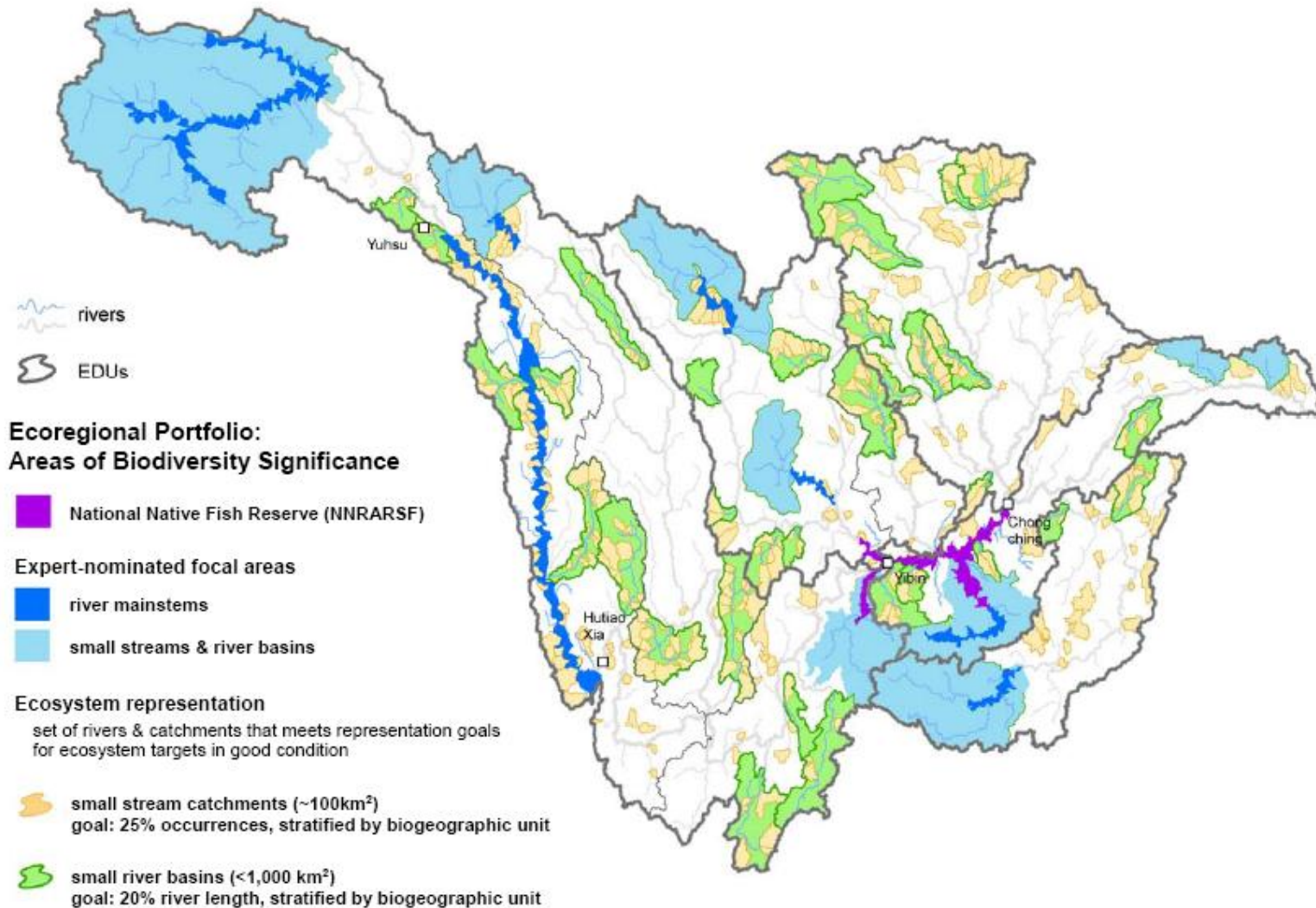
Monitoring Network

**CAP (Conservation Action Plan) of the Fish
Reserve**

Dam Removal



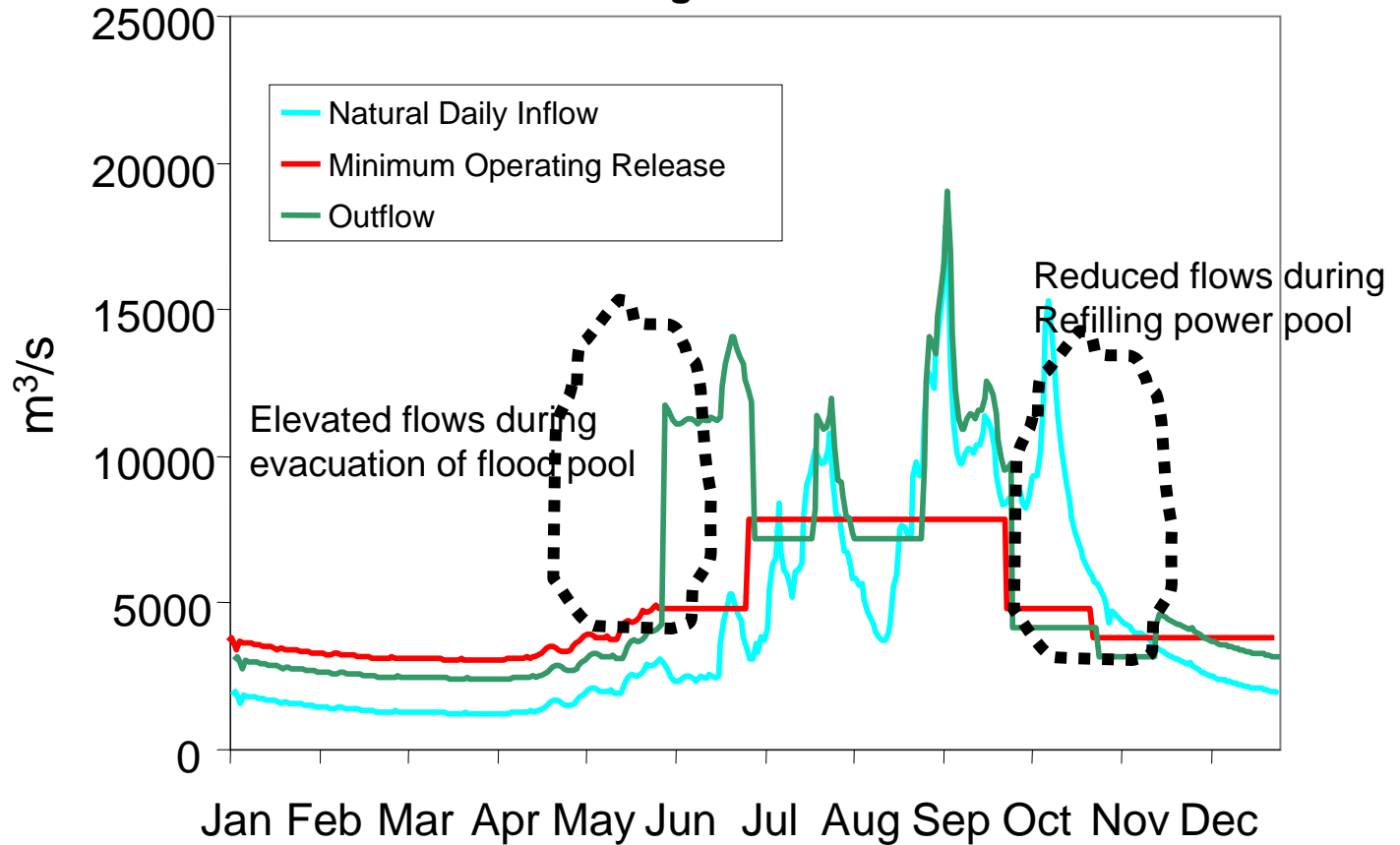
Yangtze River Freshwater Ecoregional Assessment



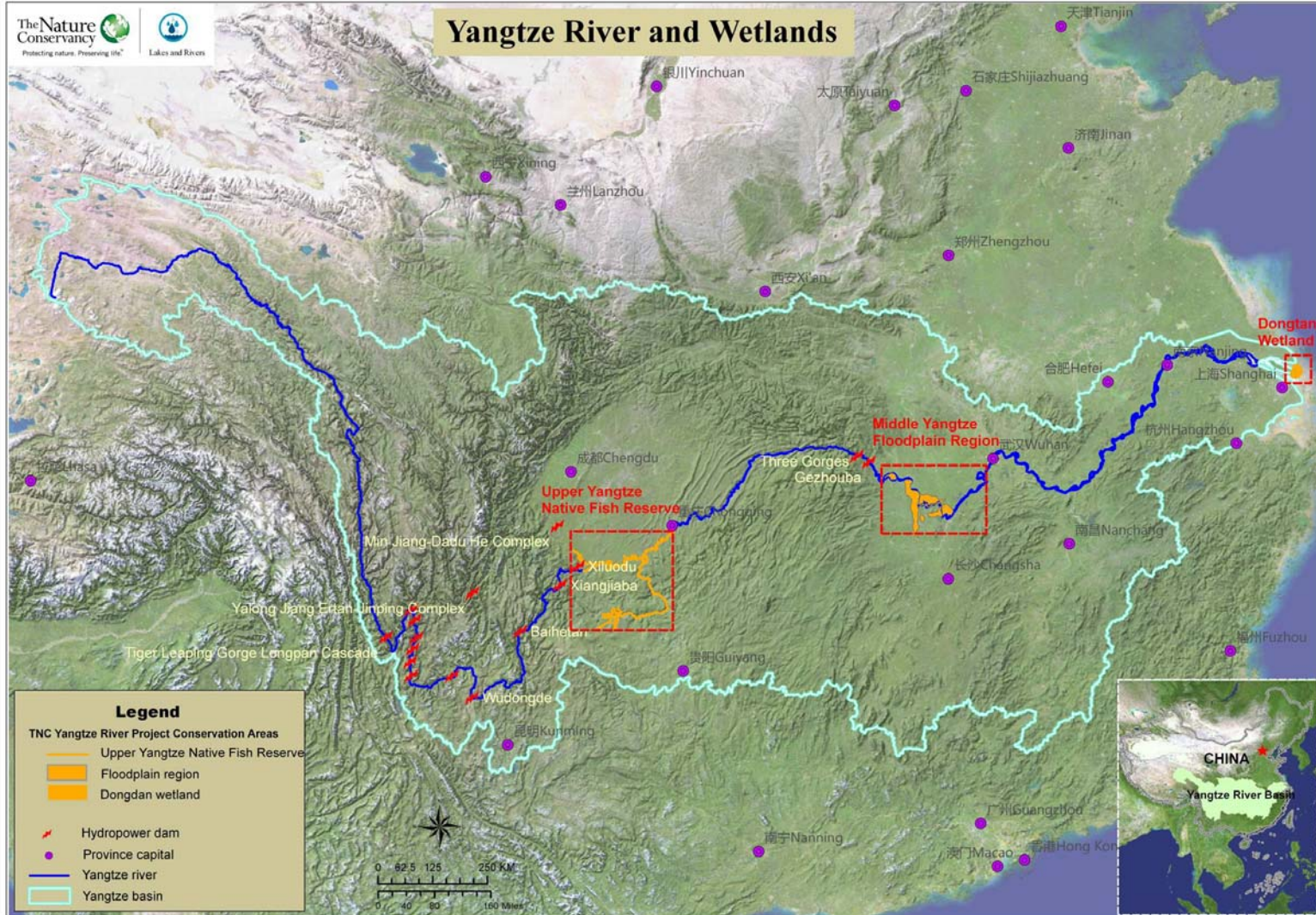
Environmental Flows



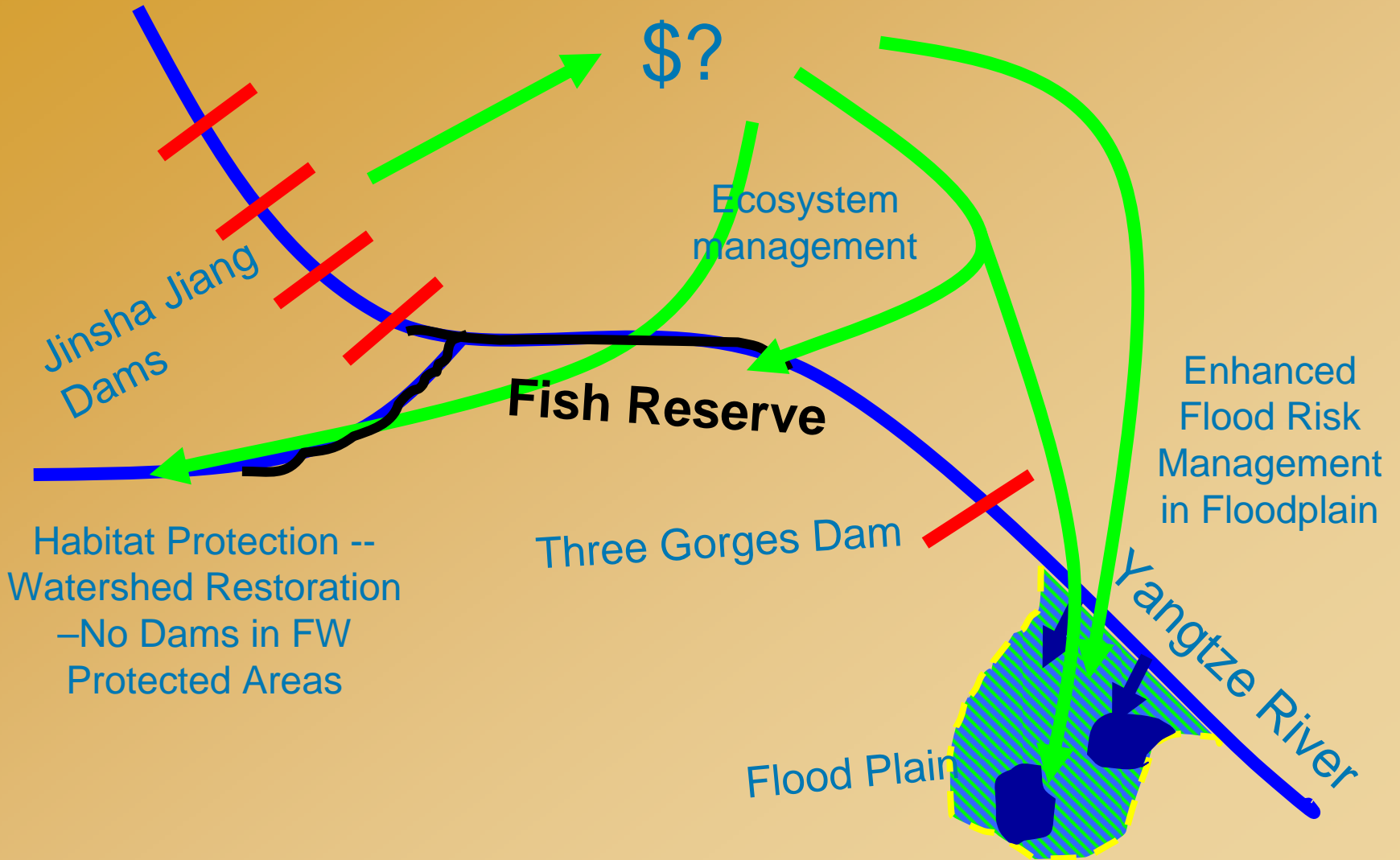
Intermediate Flow Year, With Flood Pool
Summer Target 6000 m³/s



Energy Demand



Hydropower Compensation Fund





Partnership Building

National Energy Bureau

Yangtze Water

Resources

Commission

Three Gorges Project

Company

Yangtze Fishery

Resources

Management

US Army Corps of

Engineer

USGS

Goldman Sachs

The Nature Conservancy

