



Sino-German Cooperation Platform for the Conservation of Species Rich, Highly Carbon-Sequestrating Ecosystems

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China's Initial Situation

- Worldwide one of the species richest country
- globally one of 12 biodiversity hotspots
(about 10% of plant species and 14% of animal species)
- Suffers significantly from the effects of climate change
- 15% - 20% of animal and plant species are critically endangered





Policies and Strategies promoted by the government

- Ratification of numerous environmental conventions and treaties (e.g. CBD and CITES)
 - - Sustainable conservation of China's biodiversity is not yet ensured
 - No climate-targeted management strategy for the conservation and sustainable management of biodiversity



Active exchange of ideas and information between China and Germany



- Discussion about preparation for the COP 9 in Bonn between MEP and BMU
- Expanding technical exchange on biodiversity by the presidents of CRAES and BfN
- Declaration of deepening cooperation on biodiversity between the Ministers of environment (Life Web Initiative)



Responsible Partner in Germany

- Contracting Authority:
Federal Ministry for the Environment, Nature Protection
and Nuclear Safety (BMU)
- Responsible for Implementation:
Deutsche Gesellschaft für Technische Zusammenarbeit
(GTZ) GmbH
- Other partners: German Federal Agency for Nature
Conservation (BfN)



Partner Institutions

- Main Partners:
Chinese Research Academy for Environmental Sciences (CRAES) and the Ministry of Environmental Protection (MEP)
- Case wise further institutions at national and local level (e.g. Office of the National Leading Group on Climate Change at the National Development and Reform Commission, State Forest Administration)



Project Objective

Responsible Chinese institutions apply appropriate protection and management strategies for the conservation of highly carbon-storing ecosystems and their biodiversity (by 09/2011)



Project Concept

- Provision of short and long term experts for technical counseling of Chinese partners
- Design and implementation of education and training courses of Chinese practitioners
- Support for the improvement of administration structures concerned with the cultivation of carbon-storing and species rich ecosystems
- Establishment of a database on carbon-storing ecosystems and their biodiversity



Project Concept

Measures



*Setting scientific and administrative
preconditions to ensure the
sustainable protection of carbon-
storing ecosystems and their
biodiversity*

Developing mechanism to
ensure an information exchange
between Chinese and German
experts



Project Concept

First set of measures

- Development of assessment criteria for ecosystems and standards
- China-wide inventory of ecosystems of particular value to biodiversity and carbon-storage
- Developing appropriate strategies for protection and management of carbon-storing ecosystems
- Identification of strategically important species-rich ecosystems with highly carbon-storing capacity



Project Concept

Second set of measures

- Establishment of an intensive information and experience exchange between Chinese and German experts
- Establishment and Institutionalization of a platform to ensure knowledge transfer between China and Germany



Results

- Development of regulations, training and information courses and management plans for the cultivation of carbon-storing ecosystems
- Integration of carbon-storing ecosystems in ecological regional planning
- Possession of adequate protection and management strategies for conservation of highly carbon-storing ecosystems



Expected Effects

- Conservation of biodiversity with relevance for climate protection
- Demonstration of win-win situation for both climate change protection and biodiversity conservation
- Visibility of Sino-German Climate Change Policy



Monitoring of Results

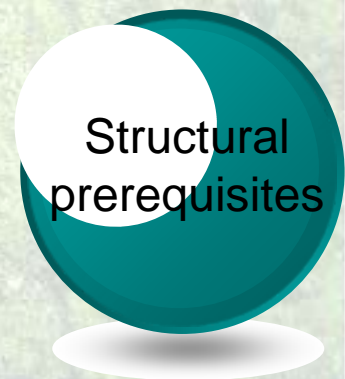
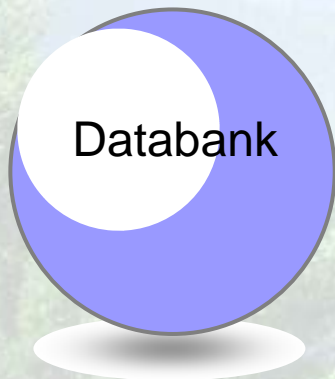
Indicators:

- Establishment of a network of appropriate areas for the protection of species-rich and highly carbon-storing ecosystems
- Elaborating strategies for effective protection and management of species-rich and highly carbon-storing ecosystems
- Establishment of a specialist cooperation platform
- Structured expertise exchange between
- Setting up Database of carbon-storing ecosystems



Project Objective

- Development of a Strategic Action Plan for Species Rich and Highly Carbon-storing .
- Integration of the concept of "conservation of species rich and highly carbon-storing ecosystems" into a national plan as well as local development planning and its execution





Work package 1: Databank- Overarching objective support for policy matters

- Establish same/similar structure as that of already existing CRAES databanks to ensure homogeneity.
- Clear definition of priorities (3-layered Carbon storing ecosystems/ Carbon Sinks/ Biodiversity) .
- Definition of ecosystems.



Identification of relevant ecosystems (Carbon-Biodiversity Atlas)

- Biodiversity hotspots
- Qualify biodiversity indicators
- Analysis of current carbon stocks
- The baseline scenario, i.e. carbon stock changes in a business as usual scenario (ideally considering climate change)



Management strategies

- Which management strategies will be applicable (e.g. Protected areas vs. relevant ecosystems outside of national reserves etc.)
- What management activities can be done to reduce emissions from these high value carbon and biodiversity ecosystems
- Establishment of a map on industrial distribution and economic development vs. high carbon/high diversity ecosystem





Work package 2: Pilot region

- Provision of relevant data to databank
- Feed-back to databank-management on feasibility of entry mask/template
- Application of strategies provided by databank





Work package 3: Capacity building measures

- Capacity building on databank maintenance
- Management training for officials at central and local level as well as for relevant stakeholders on management strategies, mechanisms of coordination and monitoring and evaluation





Work package 4: Structured Expert Exchange

- Establishment of communication network between GTZ Project Office, CRAES, BfN and MEP, local level and experts
- Secondment of CIM Expert for Biodiversity and Climate Change to CRAES
- Specialist internet- based cooperation platform
- Other measures include:
 - Studies and consultations by international and national experts
 - Study tours to China/ Germany
 - Workshops





Work package 5: Structural prerequisites and concerns

- Set up of a project steering committee made up of representations from all relevant stakeholders.
- Set up of local project coordination groups in the determined project area, consisting of members from local government and relevant management departments.





Thank you
Xie Xie