



An Overview of Carbon Forestry in China

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DAAD Workshop

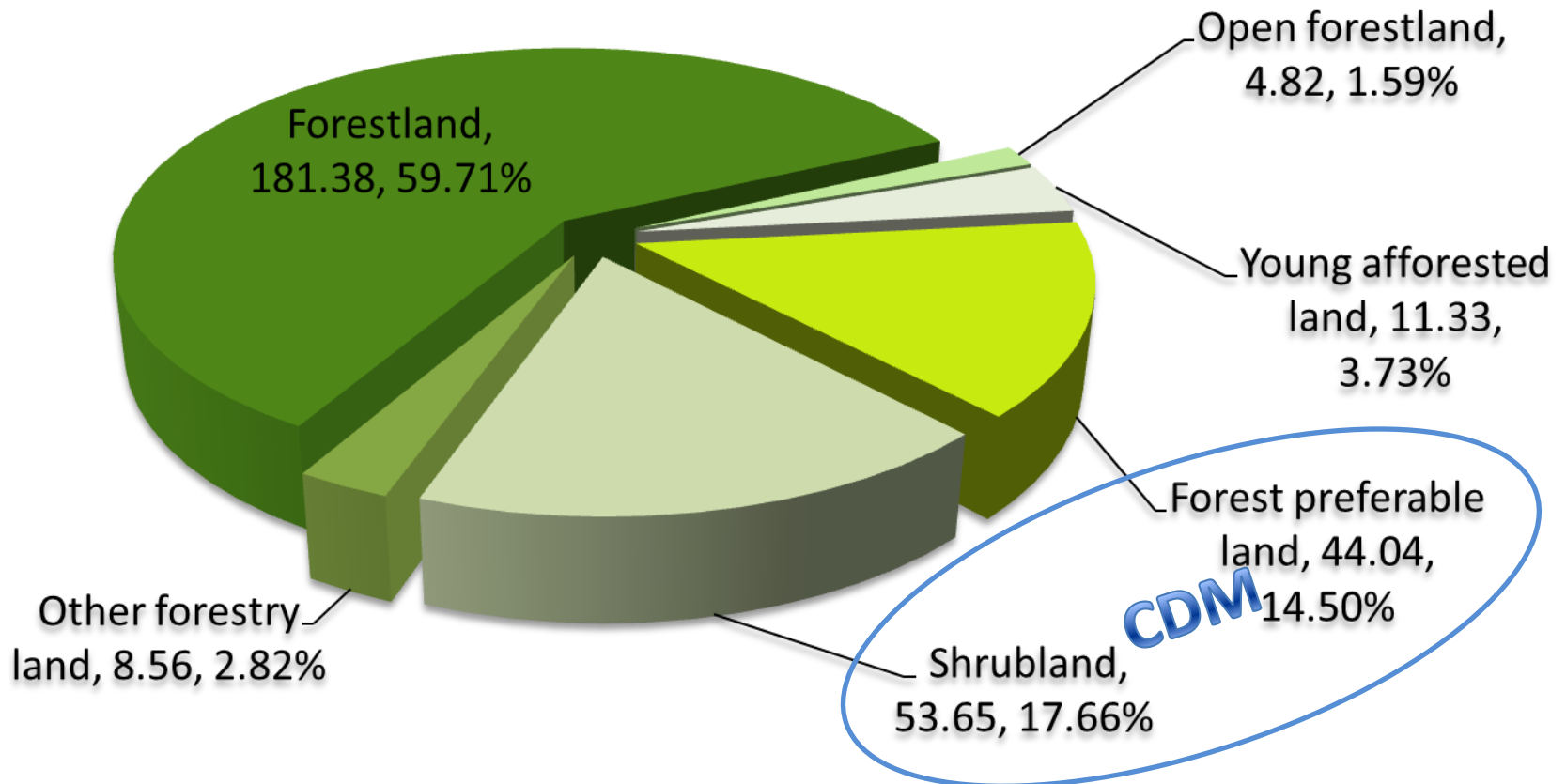
Bogor & Jakarta, Indonesia 16-22.03.2014

Climate Targets of China and Forestry Action plan

- **Voluntary national climate targets by 2020**
 - Reduce carbon intensity by 40% to 45% of 2005 levels
 - **Plant 40 million ha of forests increase forest stock by 1.4 b. m³ compared to 2005**
 - Increase the share of non-fossil fuels to 15%
- **Forestry Climate Change Action Plan**

Phases	Afforestation	Forest cover	Forest stock
1 (by 2010)	4 Mha/Yr.	20%	13.2 b. m ³
2 (2011-2020)	5 Mha/Yr.	23%	1.4 b. m³
3 (2021-2050)	47 Mha	26%	→SFM

Pathway_Expanding Forest Area



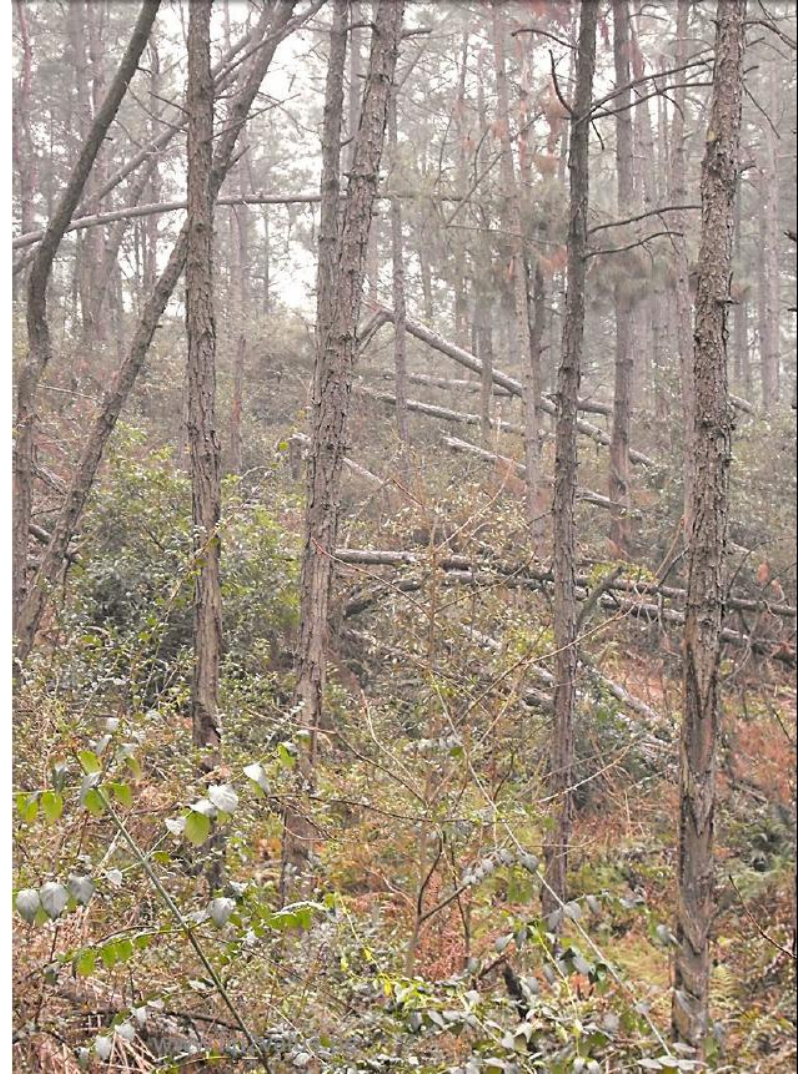
Area by Forestry Land Class (7th NFI)

Pathway_Improving Forest Management (REDD+)

- **Area of existing forests (8th NFI)**
 - Total: 208 Mha forests (5th) → forest cover: 21.63%
 - Plantation: 69 Mha (1st)
- **Condition of existing forests**
 - Low carbon sequestration capacity
 - Standing volume of all forests: **85.88** m³/ha
 - Average standing volume of plantation: **49.01** m³/ha
- **High vulnerability to adverse climate change impacts**



Climate Change Vulnerability

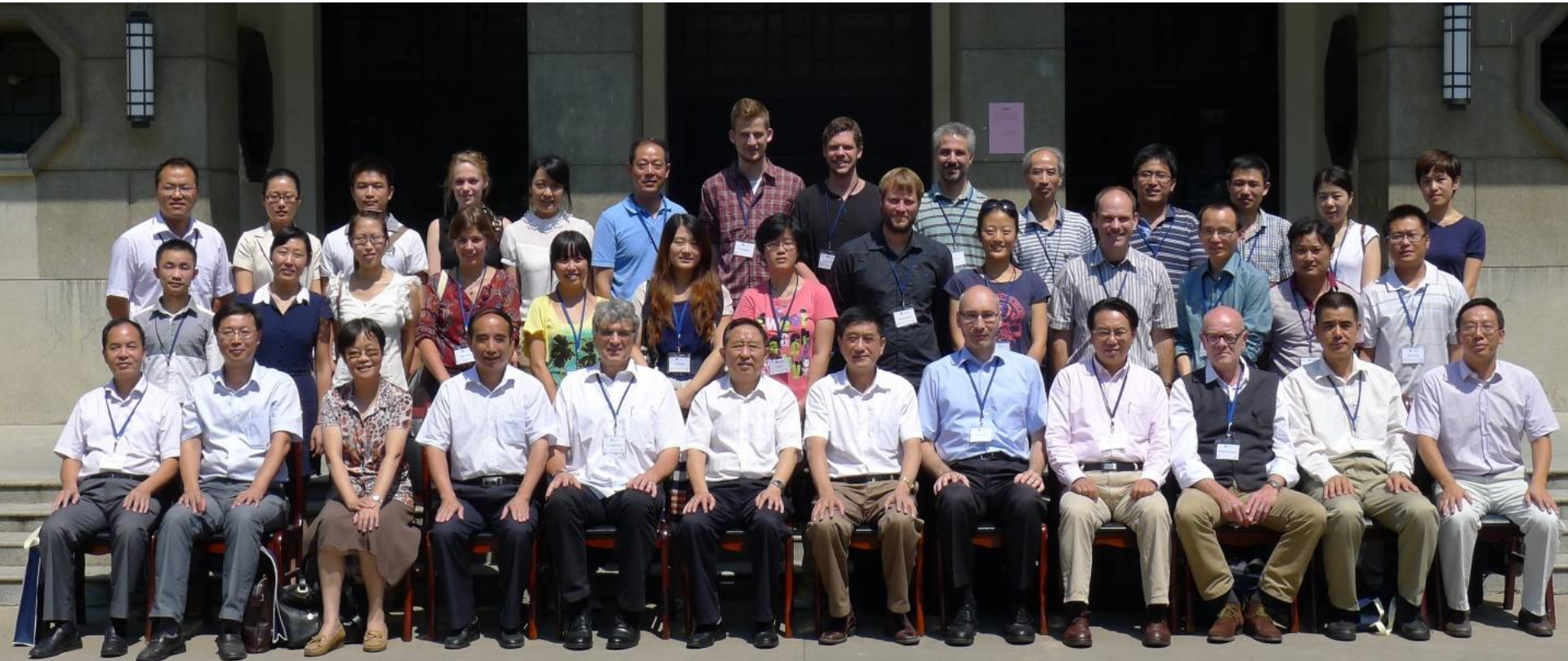


Solution?

Our Lin²Value Team is working on it for solution!

Welcome to visit our Lin2value homepage:

www.lin2Value.de



Carbon Forestry Actions (1)

- **Expanding forest area**
 - Continue to implement A/R, key forestry programs
 - Continue to promote voluntary tree-planting campaign
- **Improving forest management**
 - Collective forest tenure reform (2008-2013)
 - Forest tending subsidies (pilot regions → entire country)
 - Built 15 model forest management bases
 - Launched a pilot program for sustainable management in 200 towns (forestry farms), taking lumbering as the center of the management

Carbon Forestry Actions (2)

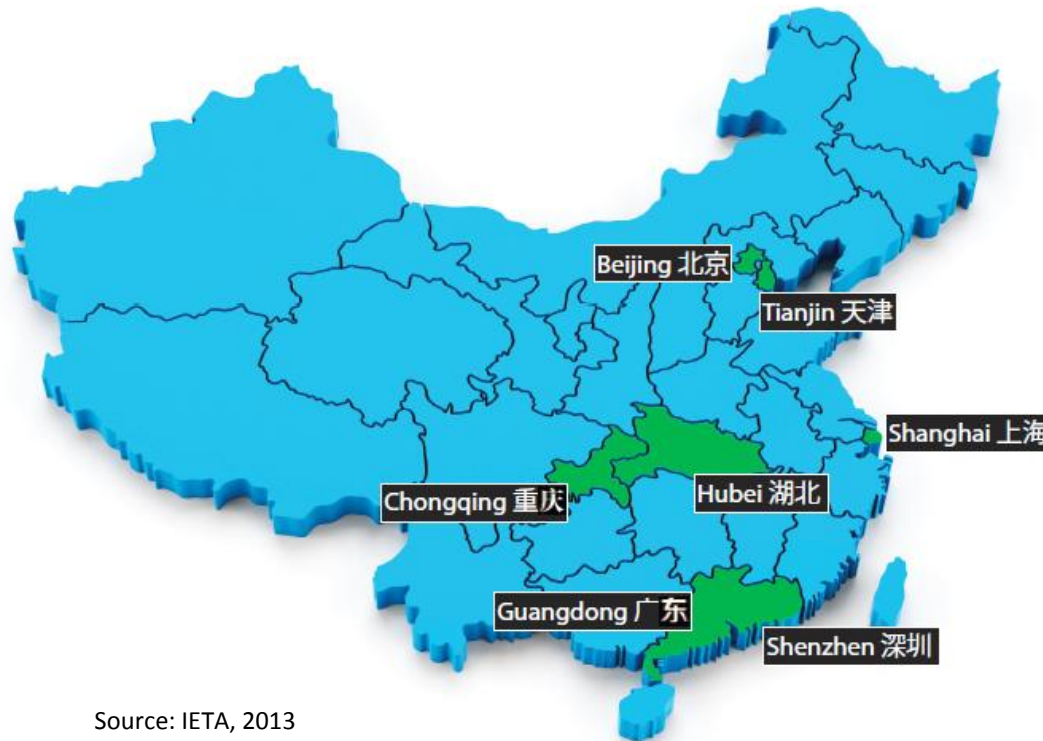
- **Forest carbon monitoring system (MRV of REDD+)**
 - Forest carbon inventory system in 17 Pilot provinces/cities since 2009
 - Expanded to the entire country in 2013
- **Development of standards and methodologies**
 - Panda standard (PS)
 - Forestation of degraded land using species including bamboo
 - AR-AM0001 (reforestation of degraded land)
 - ...



Domestic Carbon Trading Pilots

- **7 pilot provinces and cities**

- Shenzhen, Shanghai, Guangdong in operation in 2013
- The rest in 2014



Source: IETA, 2013

Compliance Carbon Market Projects

- **REDD+**
 - Preparatory phase for readiness (EU I-REDD+ Project in Yunnan)
- **AR CDM projects**

No.	Titel	Buyer	Est. Redu. (tco ₂ e/Yr.)	Appr./Reg. Date
1	Facilitating R. for Guangxi Watershed management in Pearl River Basin	BioCarbon Fund, IBRD	20,000	12.05.2006 10-11.2006
2	Reforestation on degraded lands in NW Guangxi	Biocarbon Fund, IBRD	70,272	30.10.2008 15.09.2010
3	AR on degraded lands in NS Sichuan		26,000	10.09.2008 16.11.2009
4	A/R on degraded lands in SW Sichuna	Novartis Pharma AG	40,214	23.01.2013 05.02.2013
5	Small-scale A. for desertification combating at Kangping County, Liaoning	Keio Uni. Japan	1,124	26.02.2009

Voluntary Carbon Market Projects

- **Panda project**
 - Bamboo afforestation project in Xishuangbanna, Yunnan Province
- **China Green Carbon Foundation projects/Programs**
 - Online tree planting program
 - AR projects
 - Carbon neutral programs



Advantages and Challenges

- **Advantages**

- High public awareness and strong political will
- Experience in activities eligible for CDM and REDD+

- **Challenges**

- AR Difficulties and low REDD+ enthusiasm
- SFM Training and Capacity building
- Low-level subsidies, logging quota/ban
- Labor force and road access
- Difficult access to carbon markets
 - Costly project development v.s. Smallholders+forest farms
- Risks of carbon markets (uncertain carbon prices)

Conclusions

- **Huge potential**
- **Favorable national circumstances**
- **A variety of challenges**
- **More an opportunity than a challenge**
- **Long way ahead to go**





Thank you!

**Let us do not forget to remove our
workshop carbon footprints for a successful
green workshop!**

**TERIMA KASIH!
DANKE SCHÖN!
谢谢!**