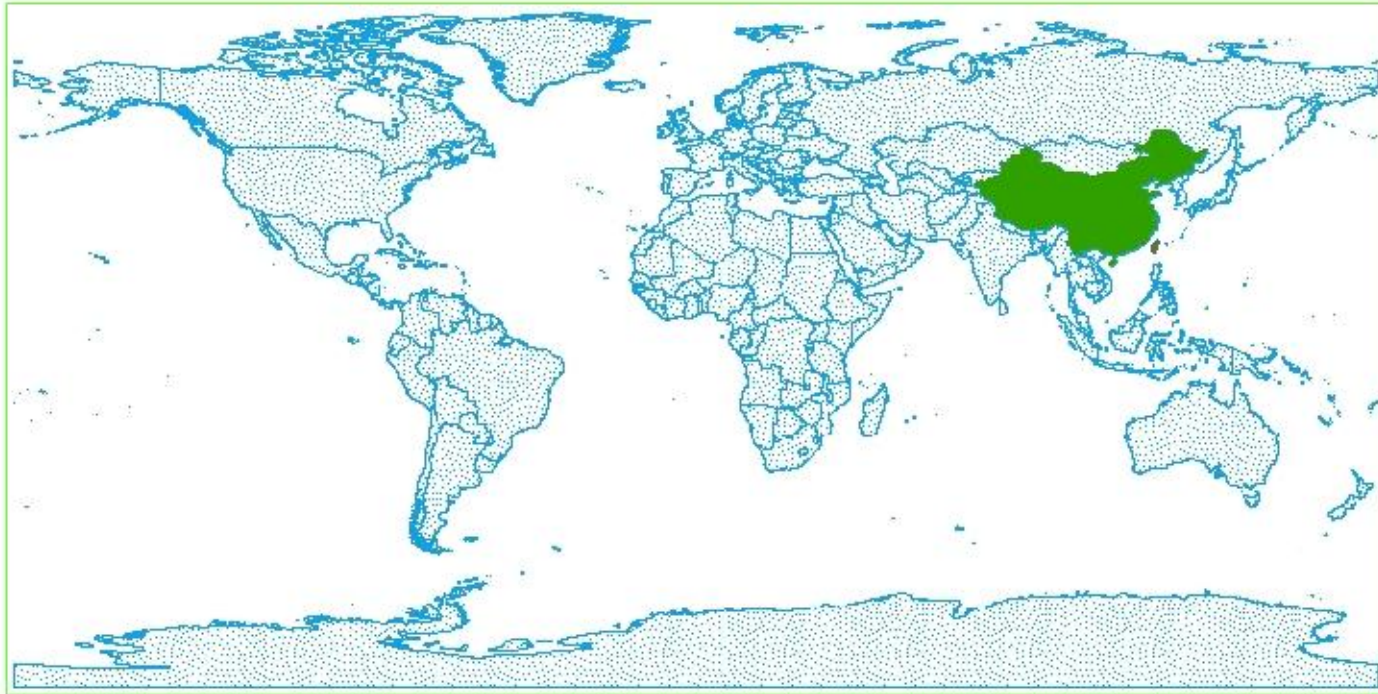


Forest FireSuppressions in China



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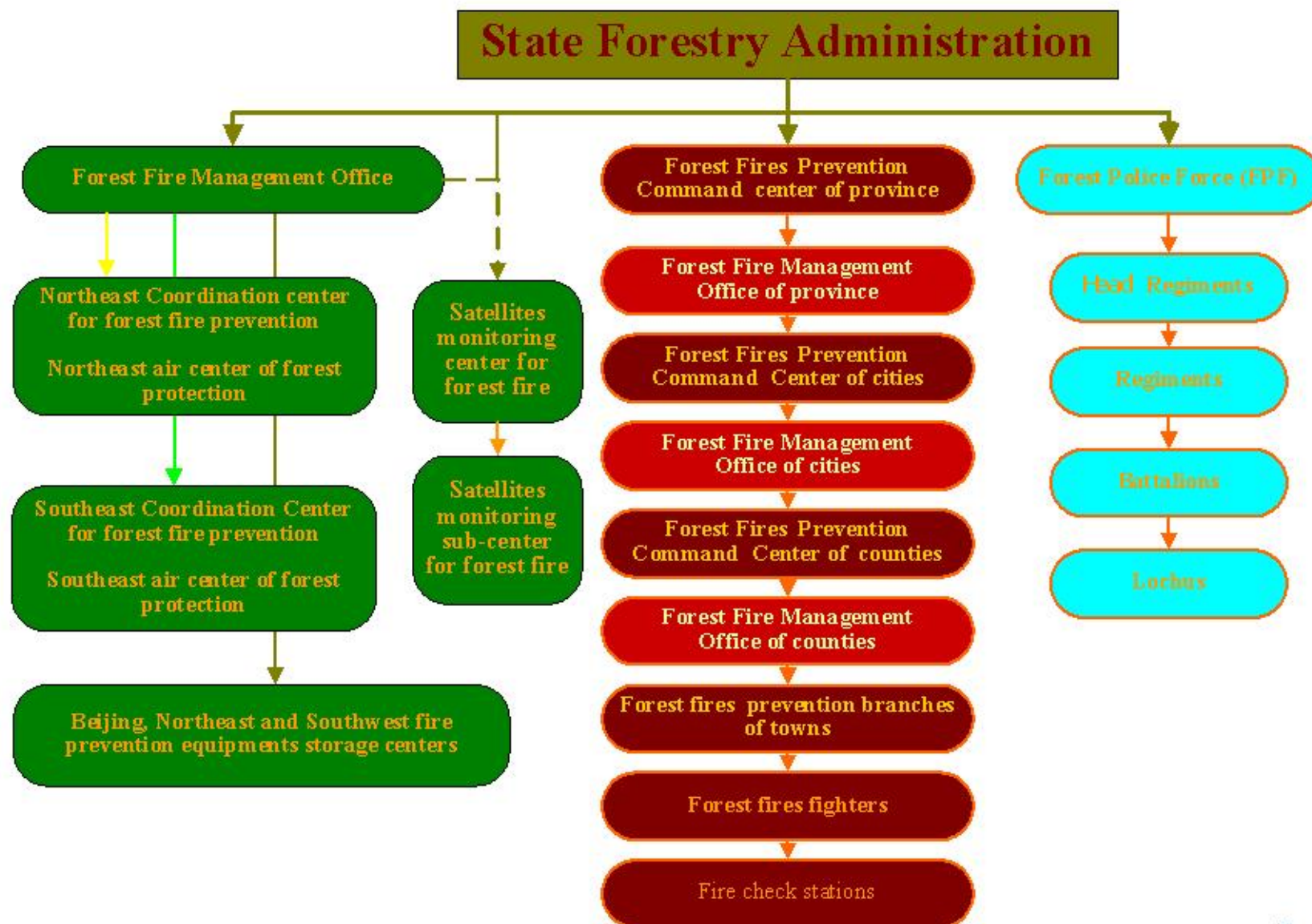
Introduction

- ◆ Forest is the main body of terrain ecosystem, and play an important role in maintains the balance of terrain ecosystem.
- ◆ The government of China always pays much attention to the reproduction and protection of forest.
- ◆ The forest coverage has increased from 8.6% to 16.55% in the late 50 years. The forest area per person is only 0.12 ha, and the stocking per person 9.63 m³, which is far lower than the average level of the world.
- ◆ The reinforcement of forest resources protection, especially the fire prevention, is the most important component of environmental construction.
- ◆ The “Daxing’anling conflagration” in 1987 is the turning point of the fire prevent in China.

Contents

- ◆ Organization of fire prevention in China
- ◆ Propaganda and education
- ◆ Establish forest fire prevention laws and regulations
- ◆ Establish forest fire-fighting team
- ◆ Prevent forest fire by social power together
- ◆ Infrastructure Establishment
- ◆ Synthetic management of key fire danger regions

Organization system of forest fire prevention in China



Measures taken in forest fire management

- ◆ Enhance facilities and comprehensive
- ◆ management of key fire danger regions

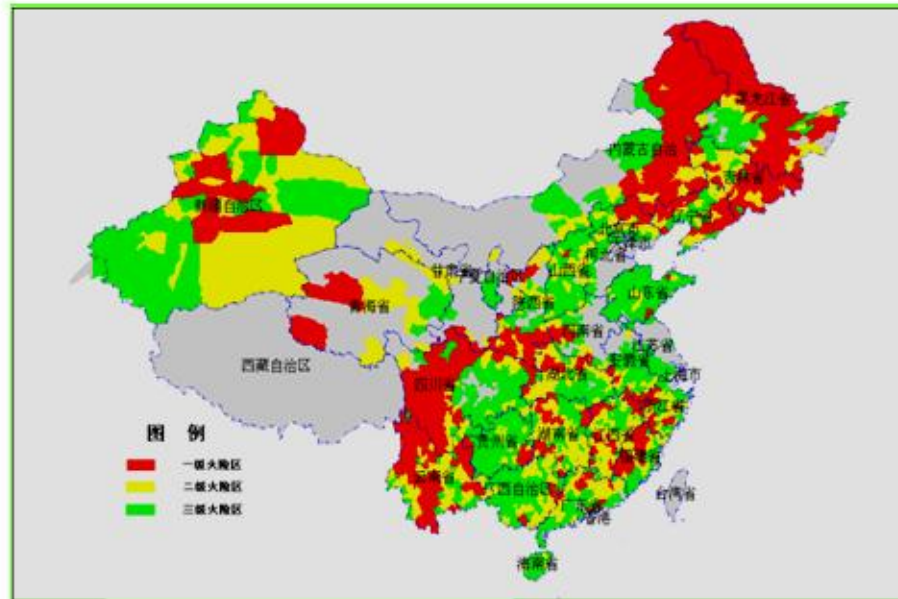


Measures taken in forest fire management

- ◆ Improve the publicity and education in community
- ◆ Establish forest fire prevention laws and regulations
- ◆ Establish professional forest fire-fighting team
- ◆ Prevent forest fires by community partnerships



Measures and techniques used in forest fire prevention in China



Forest fire danger rating forecast system

- I : No danger, the fuel can not be ignited.
 II : Low level danger, the fuel is difficult to ignite.
 III: middle level danger, the fuel is not easy to ignite.
 IV: High level danger, the fuel is easy to ignite.
 V : Extreme level danger, the fuel is very easy to ignite.

Division of fire danger regions



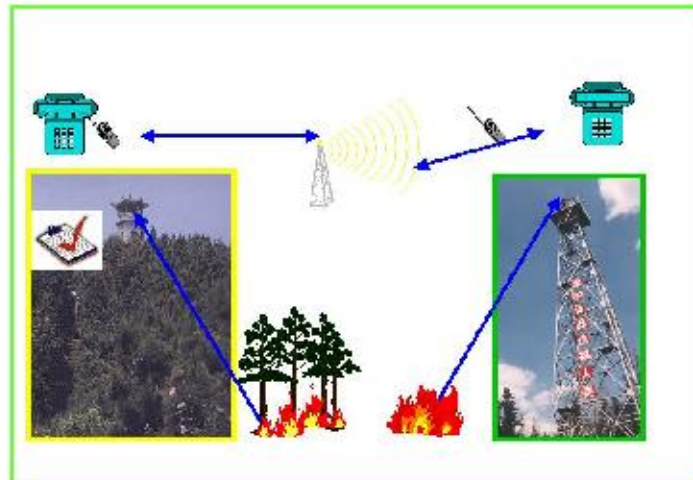
Forest fire monitoring & detection



Ground patrol



Aerial



Watch tower



TV

Forest fire prevention and control systems



Plowed firebreak between China and Mongolia



Firebreak between China and Russia

Forest fire prevention and control systems



Firebreak on both sides of railway in Daxing'anling Mountains



Prescribed burning

Forest fire prevention and control systems

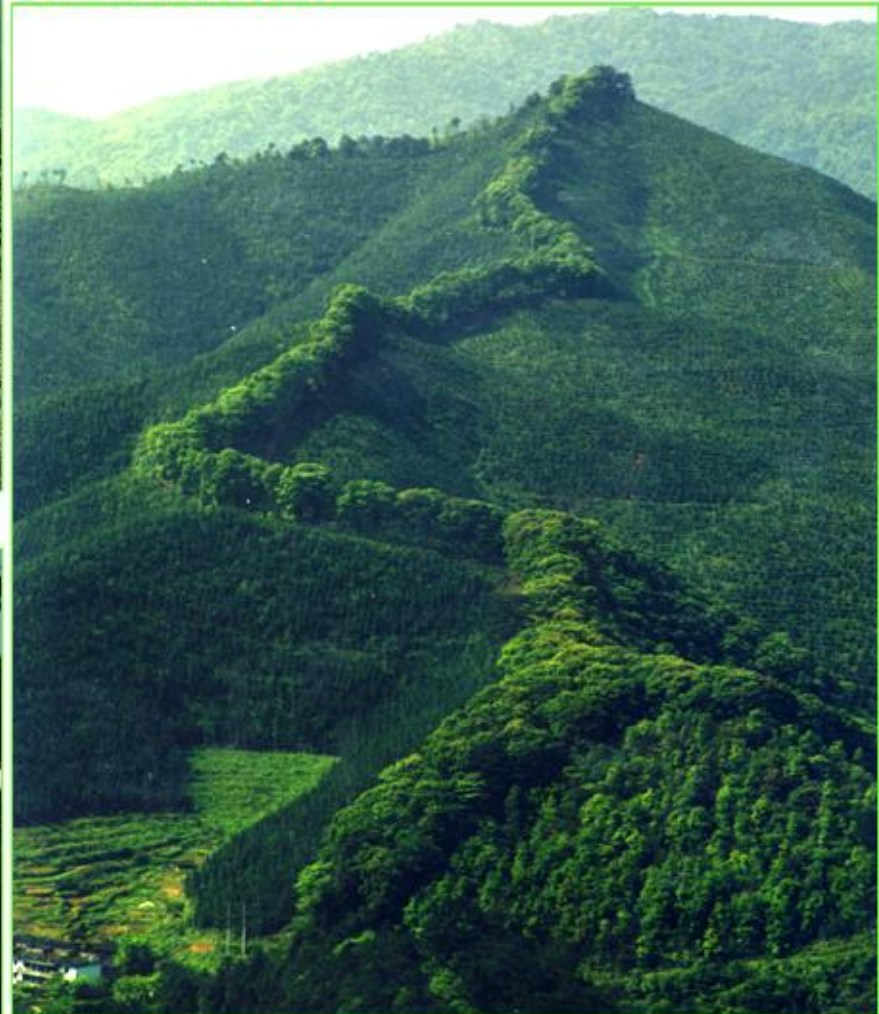
Fire resistant saplings



Fire resistant walls



**Chinese Gugertree (*Schima. sinensis*)
eco-fuelbreak**



Fire fighting equipment and techniques



Fire fighting tool kit



Wind blower



**Backpack fire fighting water
gun**



Fire fighters tanks

Fire fighting equipment and techniques



Backburning



Fighting fires with extinguishing bombs



Fighting fires with aircraft



Cloud seeding

Fighting fires with helicopters



Fire fighters transport



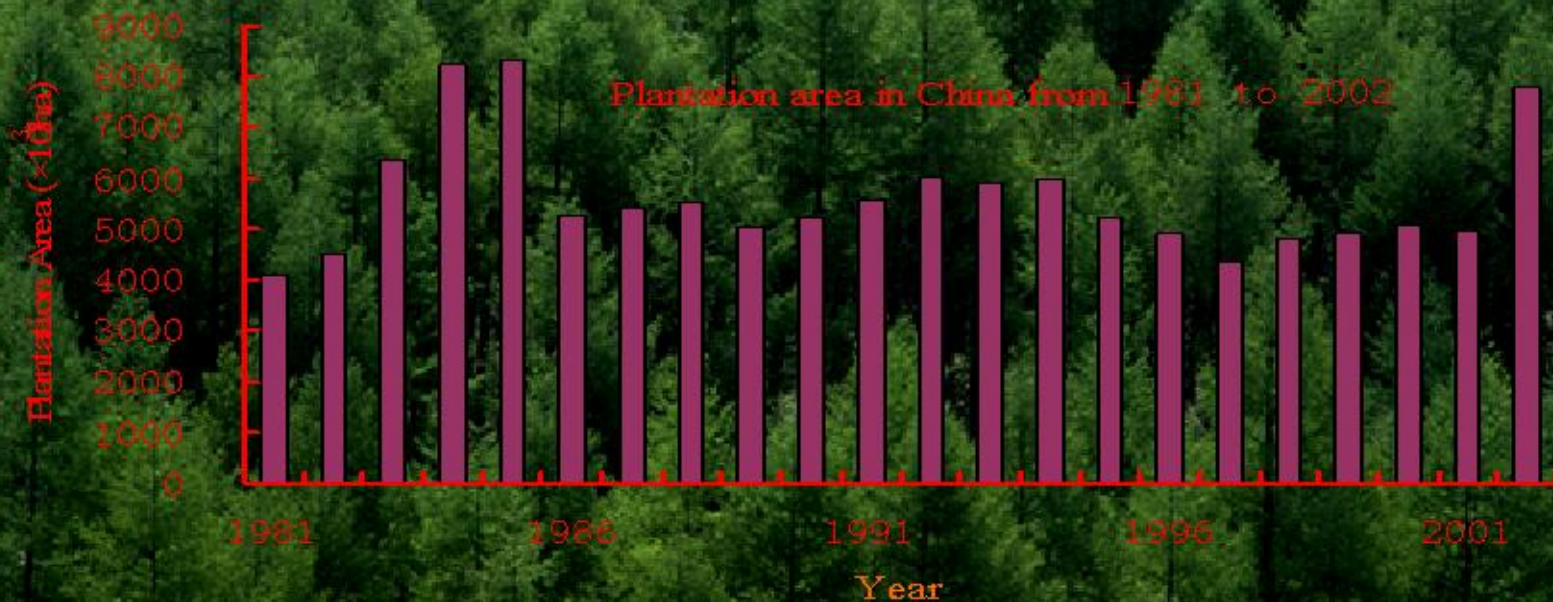
**Helicopter with
water bucket**



Rappelling

Future Projects & Prospects

- Natural forest protection project
- Project of protection forest construction in North China, Northeast China Northwest china and mid-lower reaches of Changjiang River.
- Resume forest and grass from farm
- Project of sand storm prevention along periphery of Beijing
- Project of the construction of wildlife protection and conservation zone.
- Construction of plantation and fast and prolific forest.
- Development of forestry industry with the support from the government.



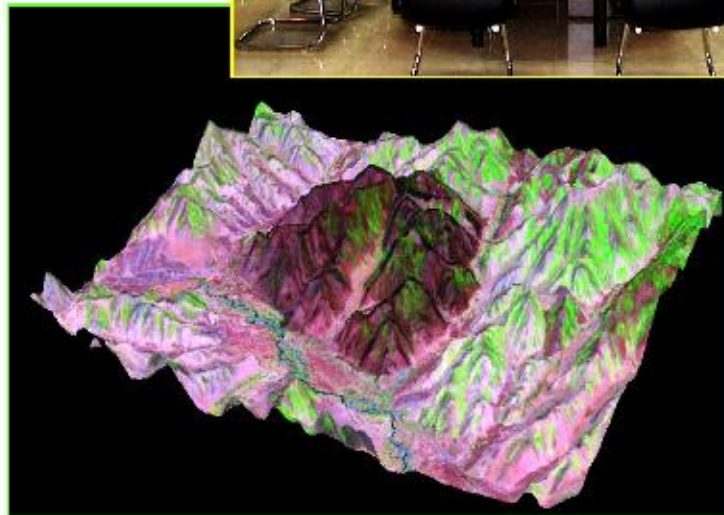
Establish teams of professional fire fighters and improve responses to fires.



Improve the legal system, standards in forest fire prevention and forest fire management.



Enhance the development and application of forest fire monitoring, forecasting, and improve the technology used in forest fire fighting.



Conclusion

- ◆ The average forest cover per person of China is very low. Plantation and secondary forest account for greater proportion of the total forest in China, and forest fire is severe.
- ◆ In order to strengthen the leadership of forest fire management, Forest Fire Headquarters were set up successively in total 30 provinces, autonomous regions, and municipalities.
- ◆ The main measures to manage forest fires are to raise public awareness through publicity and educational activities, manage forest fires by legislation, firefighting team development, and mobilize the power of society to prevent forest fires, reinforce the infrastructure construction and key fire danger zones management.
- ◆ China utilizes many means to prevent, monitor, and fight forest fires. In the future, decrease the load of fuel in the forest, and avoid large forest fires occurrences are still the challenges.

Thank you !