



Regional Stakeholder Consultation on Climate Services for the Third Pole Region

Jaipur, India
9-11 March 2016

China:

National capabilities for production,
management, delivery and application of
climate services

China:

Capacities for provision of climate services (slide 1/2)

- **Government**

CMA BCC, 193 persons

CMA Public meteorological service Center, about 160 persons

The Ministry of Water Resources of China, about 200 persons

Province Meteorological Bureau, more than 1,500 persons

- **University and research institute**

There are about 10 universities and research institutes that they provided the climate service in China. No less than 400 persons

- **Company**

The climate service is developing very quick. More and more company has been set up.

China:

Capacities for provision of climate services (slide 2/2)

- Climate System Model(BCC_CSM and RCM)
- Professional Forecasting Model
- Dynamic and Statistical Prediction Model
- Statistical Analysis of Climate Data
- Disaster Risk Management

The Flood Risk investigation

Risk Assessment and Warming

- The Estimation of Climate Feasibility

Such as Urban Planning, Major Projects Climate Service, Urban Selection of Clean Energy Using, et al

China:

Current status of provision of climate services to sectors and existing user interface mechanisms (slide 1/2)

In China, the climate service has been provided to more than 14 sectors.

- Agriculture
- Water
- Disaster management
- Energy
- Health
- Urbanization
- Transportation
- Forestry
- Sports
- Tourism
- Major Projects
- Economy
- Insurance
- Ocean

China:

Current status of provision of climate services to sectors and existing user interface mechanisms
(slide 2/2)

- Inter-ministerial liaison institution
- Climate Service Satisfaction Survey
- User communication institution
- Forum on Regional Climate Monitoring, Assessment and Prediction for Asia (FOCRAII)
- International Seminar on Climate System and Climate Change (ISCS)
- International Training Seminar on Methods for Short-term Climate Prediction
- Training and International Visiting Scholar Programme

China:

Gaps and challenges (slide 1/2)

- **Meteorological disaster prevention and reduction**
Refinement, Accuracy
- **Adapting and mitigation of climate change**
National security, Sustainable development
- **Construction of ecological civilization**
Environment, Desertification
- **International climate service**
Service standard, Information transfer

China:

Gaps and challenges (slide 2/2)

- **Communication between user and provider is not enough**

Some users don't know how to get the climate service

Some users don't know how to use the climate information

The products can not wholly solve the user decision-making

- **Climate service capacity is not enough**

Climate service by company is developed lately

The support of science and technology research is not strong

The refinement and accuracy of prediction is not enough

The assess is not absolution quantification

China:

Future perspectives for improved climate services

- Promoting the fundamental capacity of climate data
- Developing the higher resolution climate model(30km)
- Developing China multi-model system(CMME)
- Improving the dynamic and statistical prediction method
- Developing the professional assess model
- Investigating all historical disaster
- Improving the information system
- Strenthening the user communication
- Improving the information transmission model
- Developing climate service by private company

China:

The climate service in Tibetan Plateau

The Tibetan Plateau include 4 provinces, all of them provide the climate service. The climate service sections is about 150 persons, they have provided climate service for government, public and company. Such as:

- Climate monitoring
- Climate evaluation and assess
- Climate prediction from 10 days to years
- Disater risk investigation and assess
- Estimation of climate feasibility
- Exploiting and using for clean energy
- Climate change service



Thank you