

Status of Inland ENCs in China

Liu Li



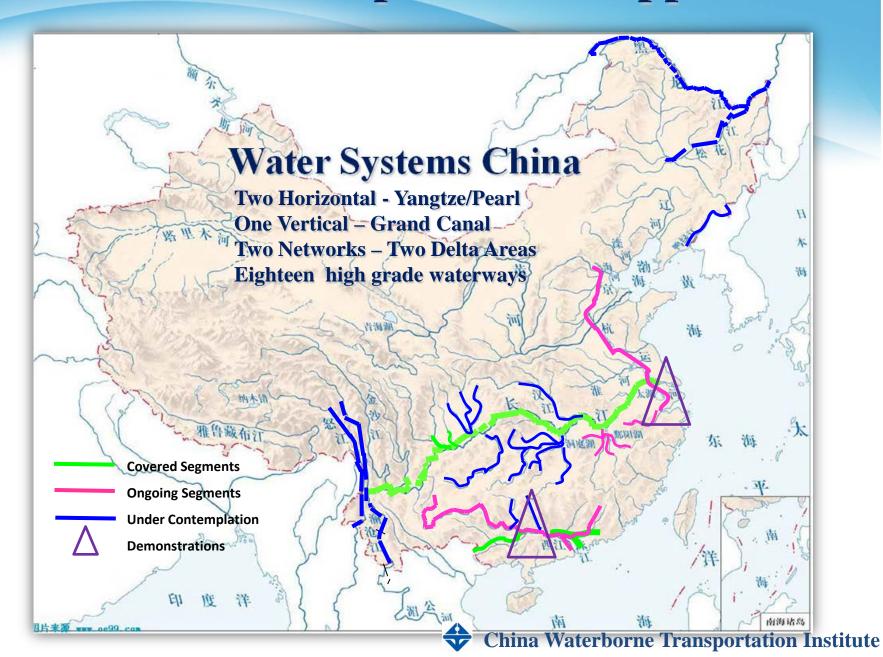
New Jersey, USA – October 2013

Content

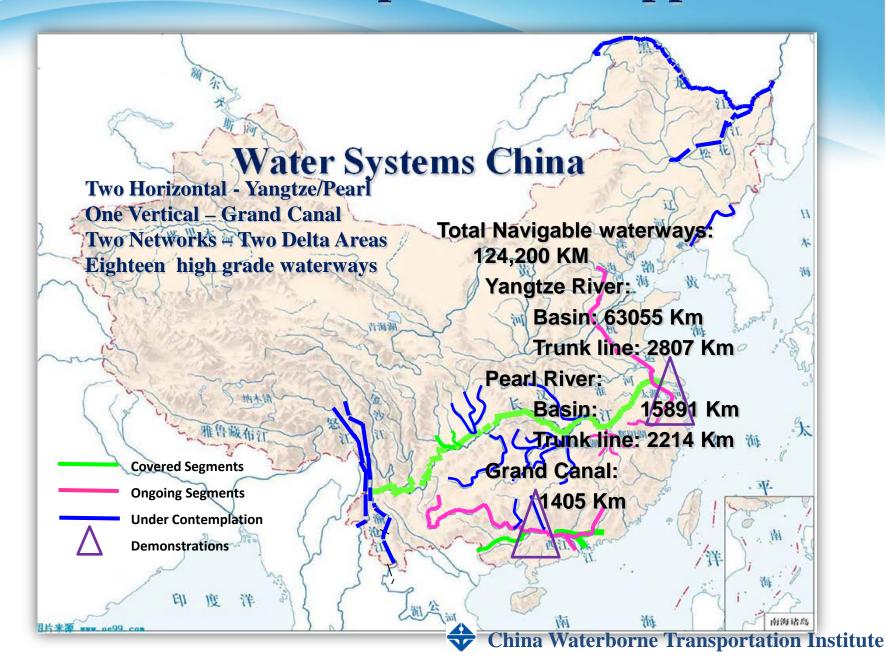
- Development and Application of IENC in China
- **Development of IENC Standard in China**
- Measures to promote the Development of **IENC** in China
- **Development Plan for IENC**



China IENC Development and Application



China IENC Development and Application



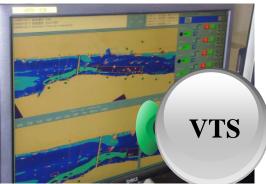
Application of IENC in China



AIS

Beacon Remote Measuring System







IENC Application Water level
Remote
Measuring System



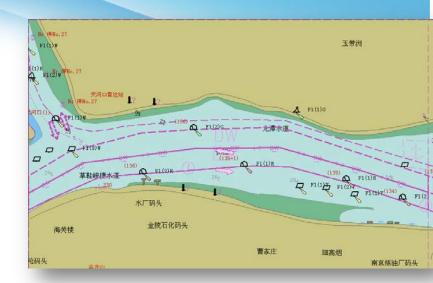


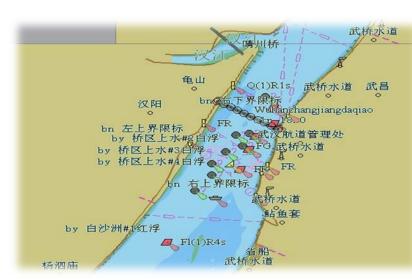




China IENC Standard Development

- ENC Standard v3.1
- **▶** Three Gorges Segment of Yangtze River
- **→** Jialing River, Xiangjiang River
- Part of Xijiang River
- Yangtze River Basin Standard
- ➤ Suits for the trunk line of the Yangtze River
- It is revising







China Waterborne Transportation Institute

China IENC Standard Development

Local Standard –IENC Spatial Data and Attribute Data

Exchange Standard

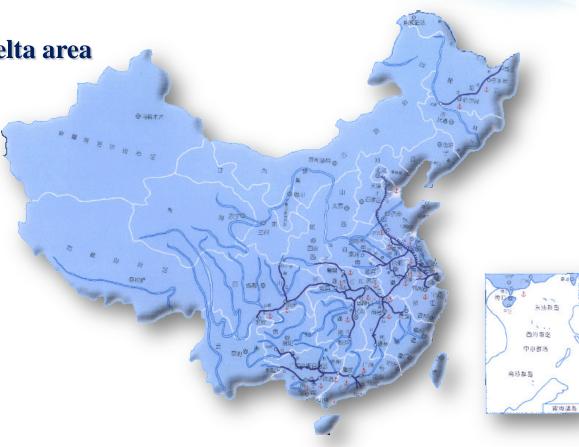
➤ Suits for Yangtze River Delta area

> drawing up

Waterborne Transport

Trade Standard

- > drawing up
- National Standard
 - > drawing up





Measures to promote the Development of IENC in China

Government Promotion

Publishing and using IENC product of Yangtze River, Xi River and Beijing-Hangzhou Canal, as well as of Yangtze River Delta and Pearl River Delta areas have been stated as the future development emphases in the 12th five-year Development Plan for Highway and waterway transportation Informatization.

Organization Structure and Technical Force

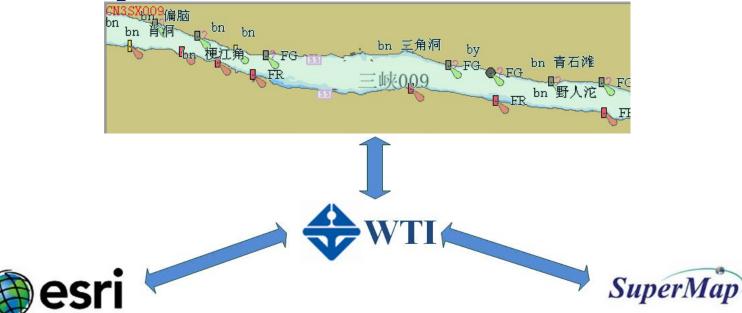
- > Chinese Ministry of Transportation has set up Chinese IEHG workgroup
- ➤ The secretariat is located in Waterborne Transportation Institute.

 And Mr. Fei Weijun is the deputy head of Chinese IEHG workgroup
- Most of chinese inland river management departments and institutes form the main technology support and force.



Measures to promote the Development of IENC in China

- Exchange and Cooperation
 - Cooperate with IENC production software manufacturers,
 e.g. ESRI, SuperMap GIS
 - More Cooperators are welcomed...







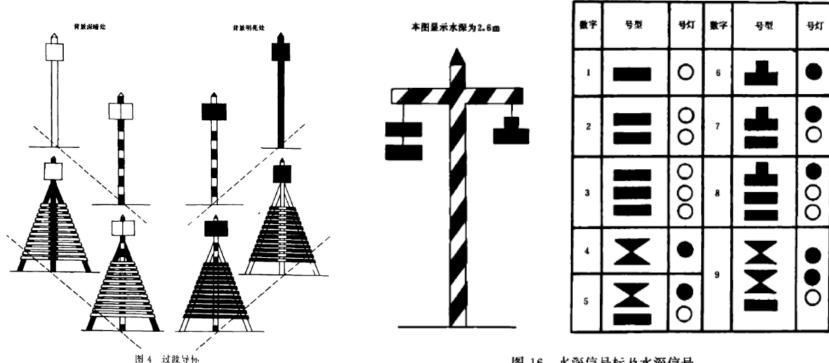
Development Plan for IENC in China

- Make National IENC Standard
 - > Complete in 2 years, Compatible with the International **IENC Standard**
 - Submit requests to IEHG, for example:
 - Chinese Navigation Aids
 - Special Object: WHAFBT, SHPLFT



Development Plan for IENC

- Make National IENC Standard
 - > Submit Chinese Navigation Objects







Development Plan for IENC

- Make National IENC Standard
 - Special Object: Wharf Boat (WHAFBT) , Ship Lift (SHPLFT)



Development Plan for IENC

- **Build up Chinese Inland ECDIS System**
- Enhance the cooperation with IENC soft manufacturers, in order to develop IENC produce system to the national IENC standard of China

THANKS