



**International Research  
Ship Operators**

The 29th International Research Ship  
Operators (IRSO) meeting,  
Oct 10-14, 2016. Island of Capri, Italy

# **CHINA MARINE RESEARCH VESSELS (CMRV)**

Xia Dengwen/NOTC, SOA, China



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**WHAT IS CMRV**

2

**OBJECTIVES & MECHANISM**

3

**ACTIVITIES**

4

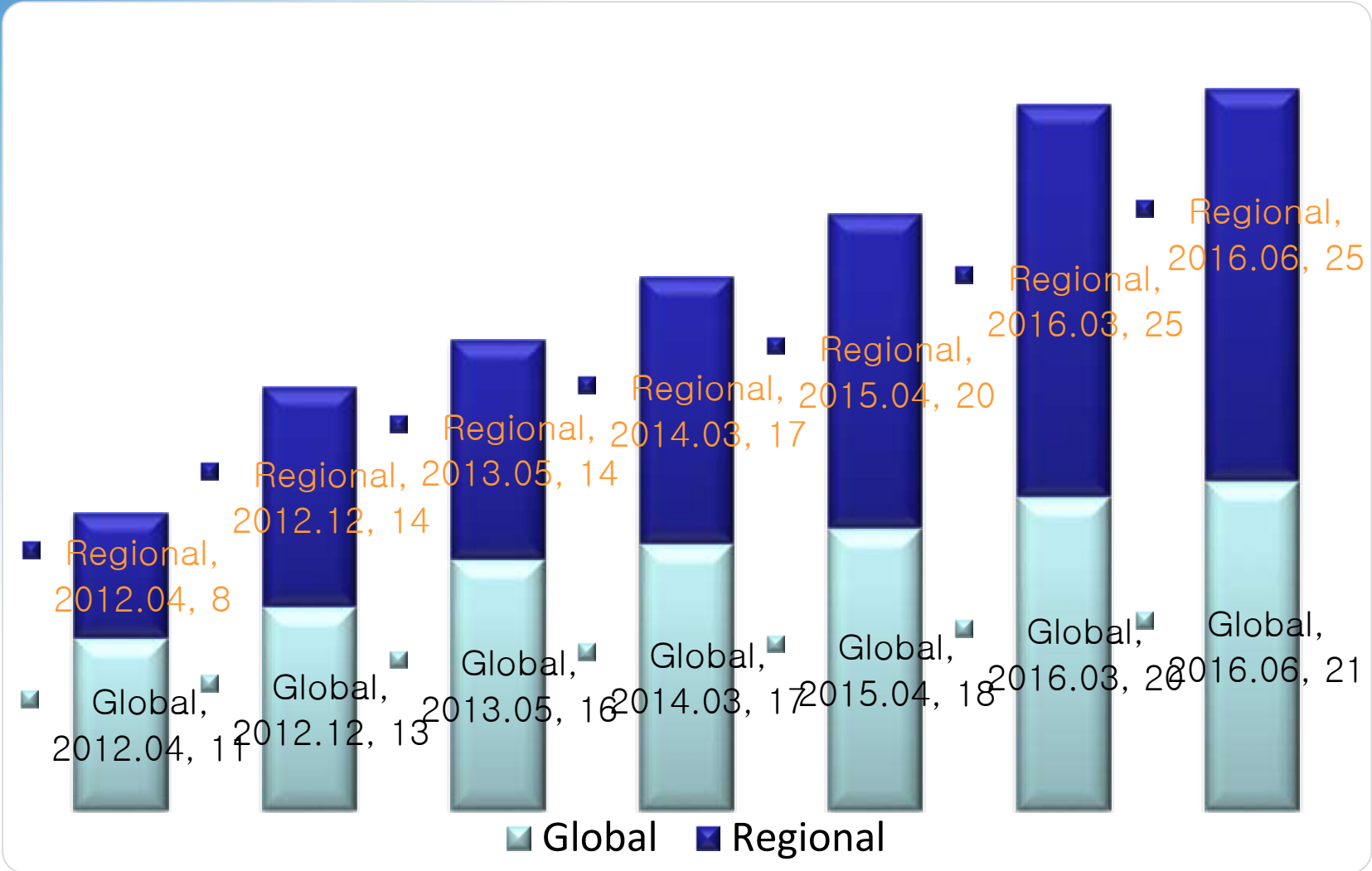
**VISION & EFFORTS**

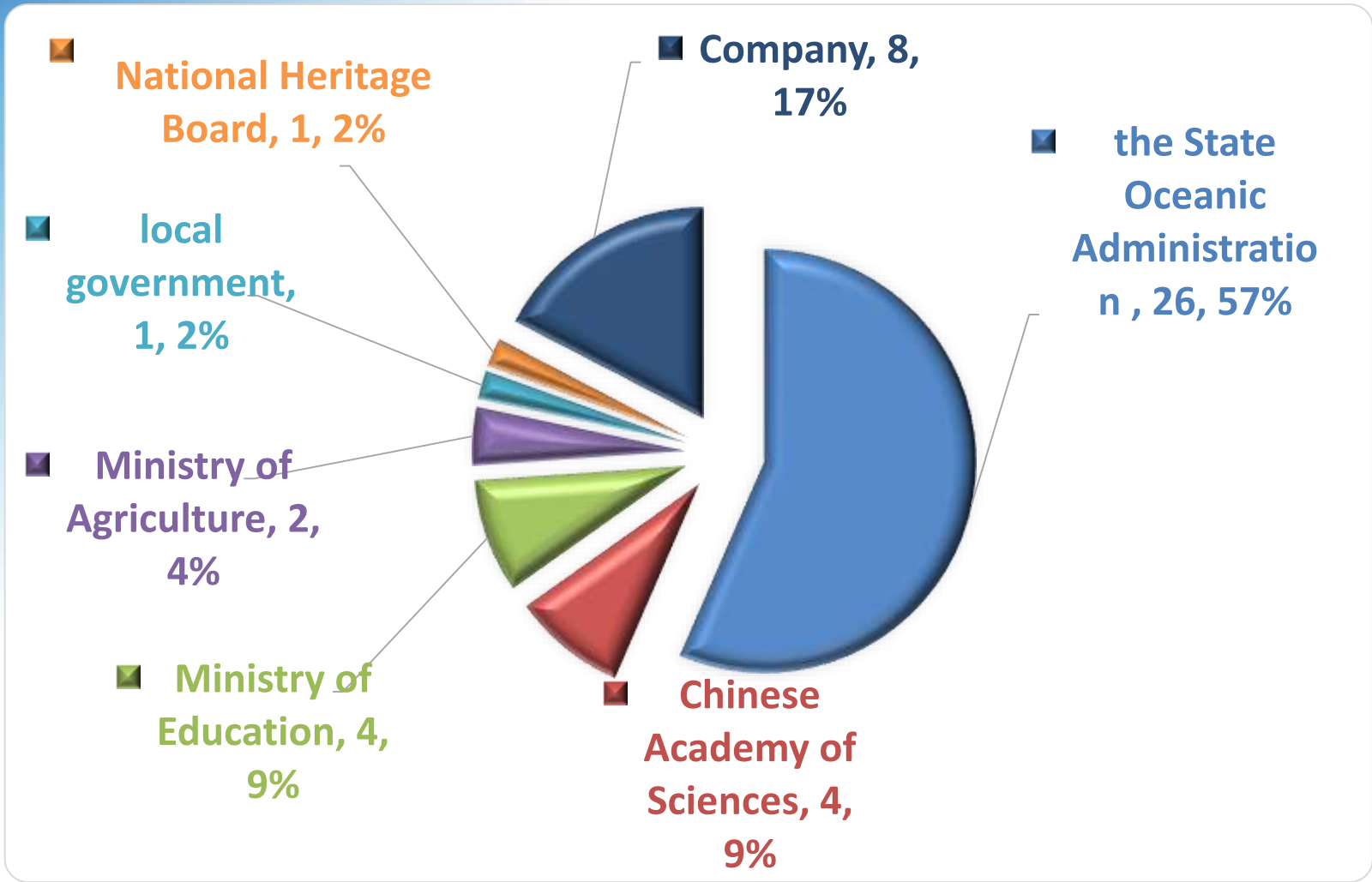
5

**COOPERATION & CONTACT**

- **China Marine Research Vessels (CMRV)** was established at 2012.4.18.
- **CMRV** is joint with
  - *The State Oceanic Administration (SOA),*
  - *National Development and Reform Commission (NDRC)*
  - *Ministry of Education (MOE),*
  - *Ministry of Science and Technology (MOST),*
  - *Ministry of Finance (MOF),*
  - *Chinese Academy of Sciences (CAS),*
  - *National Natural Science Foundation of China (NSFC).*
- **46 Research Vessels**







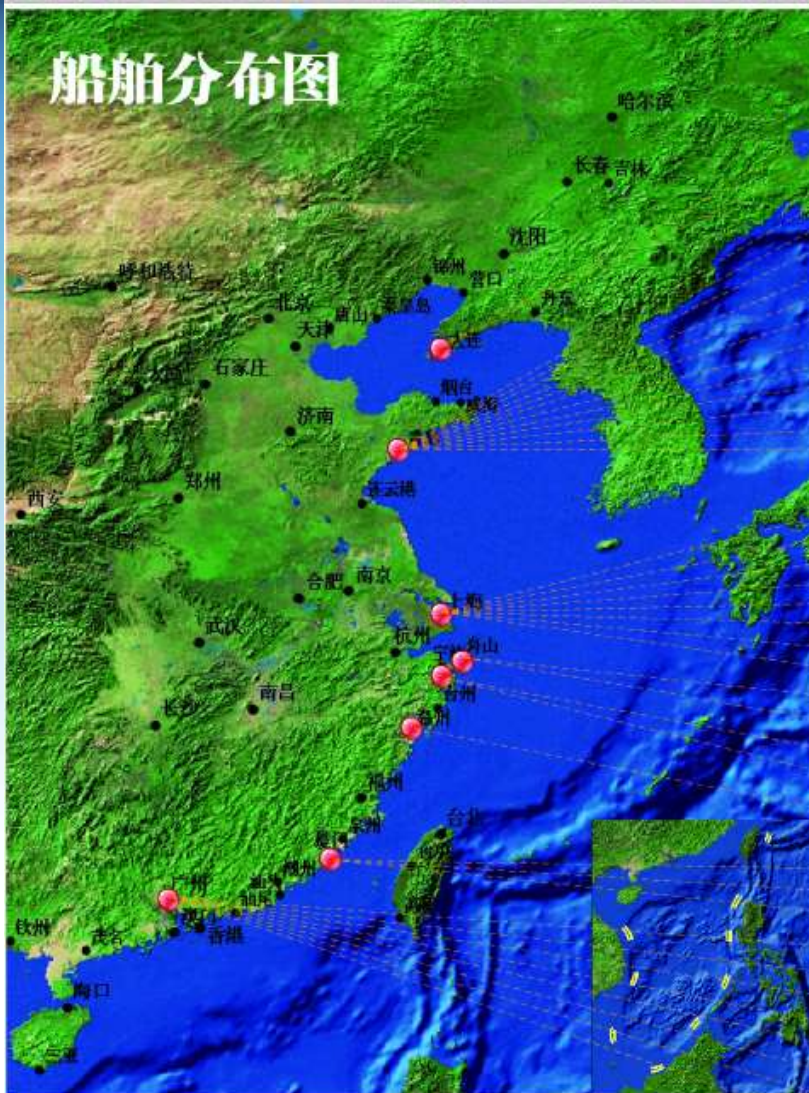
▣  $\geq 40$ , 4

▣  $\geq 30 \& < 40$ , 11

▣  $\geq 20 \& < 30$ , 8

▣  $\geq 10 \& < 20$ , 6

▣  $< 10$ , 17



注：1. 船舶运营单位为上海海洋石油局第一海洋地质调查大队，注册地在巴哈马，悬挂方便旗。

远洋调查船 近海调查船

	育鲲	CMRV11G10
	意兴	CMRV11R08
	大洋一号	CMRV11G02
	向阳红06	CMRV11G03
	向阳红09	CMRV11G04
	科学一號	CMRV11G07
	东方红2	CMRV11G11
	科学	CMRV15G18
	向阳红08	CMRV11R02
	向阳红07	CMRV11R03
	科学三號	CMRV11R04
	海大号	CMRV14R15
	北斗	CMRV14R16
	中国考古01	CMRV15R20
	雪鸮	CMRV11G01
	向阳红20	CMRV11G06
	发现号 <sup>1</sup>	CMRV12G12
	发现2号 <sup>1</sup>	CMRV12G13
	中国海监53	CMRV12R11
	勘407	CMRV12R13
	兴业	CMRV12R14
	向阳红28	CMRV15R18
	润江1	CMRV11R07
	浙海科1	CMRV14R17
	中国海监47	CMRV12R09
	中国海监49	CMRV12R10
	向阳红10	CMRV14G17
	海洋2号	CMRV11R05
	延平2號	CMRV11R06
	中国海监62	CMRV12R12
	向阳红14	CMRV11G05
	实验3	CMRV11G08
	实验1	CMRV11G09
	中国海监169	CMRV13G14
	中国海监168	CMRV13G15
	中国海监84	CMRV13G16
	中国海监72	CMRV11R01
	南锋	CMRV15R19

- *Da Lian*
- *Qing Dao*
- *Shang hai*
- *Zhou Shan*
- *Ning Bo*
- *Wen Zhou*
- *Xia Men*
- *Guang Zhou*



# Xuelong (Snow Dragon)

IRSO 2016

**Length: 167 m**

**Width: 22.6 m**

**Draft: 9 m**

**Range: 12000nm**

**Cruising Speed: 17.9kn**

**Displacement: 21250 t**

**Maiden Voyage for CHINARE: 1994**



**Length: 104.5m**

**Width:16.0m**

**Draft: 5.60m**

**Displacement:5600t**

**Cruising Speed: 12kn**

**Total Berth: 75**

**Maiden Voyage for COMRA:**

**1995**



# Xiangyanghong 01

IRSO 2016

**Length:** 99.8m  
**Width:** 17.8m  
**Draft:** 5.6m  
**Displacement:** 5176.4t  
**Cruising speed:** 12.3kn  
**Range:** 15000nm  
**Endurance:** 60 days  
**Total Berth:** 80  
**Delivery:** 2016



# Xiangyanghong 03

IRSO 2016

**Length:** 99.6m  
**Width:** 17.8m  
**Draft:** 5.6m  
**Displacement:** 4800t  
**Cruising speed:** 15kn  
**Range:** 15000nm  
**Endurance:** 60 days  
**Total Berth:** 80  
**Delivery:** 2016



# Xiangyanghong 10

IRSO 2016

**Length:** 93m  
**Width:** 17.4m  
**Displacement:** 4400t  
**Cruising speed:** 12kn  
**Range:** 12000nm  
**Endurance:** 60 days  
**Total Berth:** 65  
**Delivery:** 2014



# Xiangyanghong 18

IRSO 2016

**Length:** 88.4m  
**Width:** 12.5m  
**Draft:** 3.75m  
**Displacement:** 2380t  
**Cruising speed:** 12kn  
**Range:** 8000nm  
**Endurance:** 50 days  
**Total Berth:** 50  
**Delivery:** 2015



# Dongfanghong 2

**Length:** 96m  
**Width:** 15m  
**Draft:** 6m  
**Displacement:** 3500t  
**Cruising speed:** 18kn  
**Range:** 13000nm  
**Endurance:** 60days  
**Total Berth:** 196  
**Delivery:** 1995



**Length:** 60.9m  
**Width:** 26m  
**Draft:** 7m  
**Displacement:** 2555t  
**Cruising speed:** 15kn  
**Range:** 8000nm  
**Endurance:** 40days  
**Total Berth:** 72  
**Delivery:** 2009



## OBJECTIVES

- Define a common communication and coordination mechanism for Chinese marine research vessels;
- Promote more efficiently utilization of existing Chinese Global and Regional vessels;
- Facilitate a wider sharing of knowledge and technologies across fields and between academia and industry;
- Undertake the task of national oceanographic survey.



## COORDINATION COMMITTEE

- *The State Oceanic Administration (SOA);*
- *National Development and Reform Commission (NDRC) ;*
- *Ministry of Education (MOE)*
- *Ministry of Science and Technology (MOST)*
- *Ministry of Finance (MOF)*
- *Chinese Academy of Sciences (CAS)*
- *National Natural Science Foundation of China (NSFC)*
- *Operators of Research Vessels*

## Coordinator:

***State Oceanic Administration (SOA)***



[www.soa.gov.cn](http://www.soa.gov.cn)

- A national government administration.
- Established in 1964.
- Functions of SOA: in charge of marine legislation, planning and management.



## Operational Coordinator:

National Ocean Technology Center (NOTC), SOA

[www.notcsoa.org](http://www.notcsoa.org)



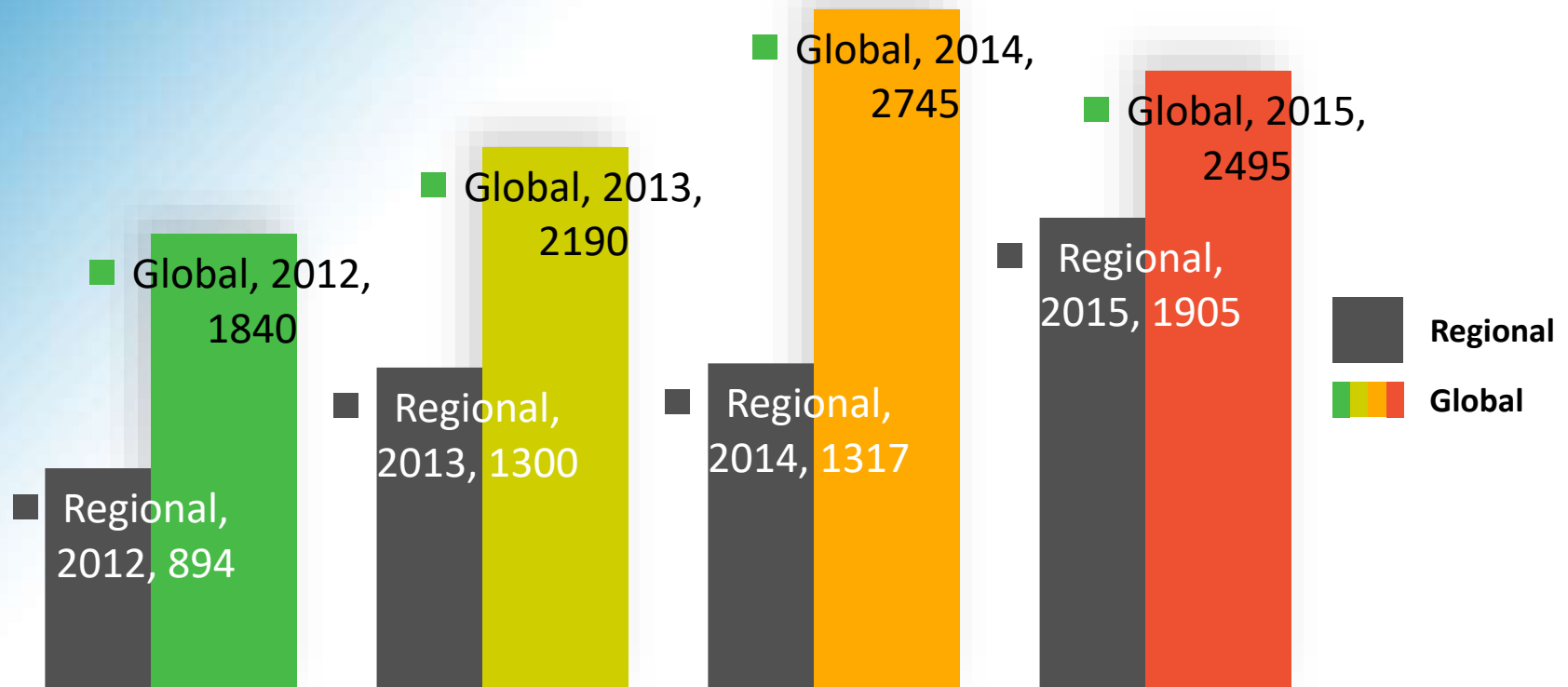
- affiliated to SOA;
- established in 1965;
- a public institute on research and development of ocean technology;
- functions of NOTC: to provide technical support in marine survey, observation and monitoring technologies and operation system.



- Projects conducted
  - offshore oceanography survey;
  - global change and air-sea interaction;
  - polar sea expedition;
  - Deep sea research activity;
  - R&D of ocean technology;
  - National 863 Program, 973 Program, NSFC open-sharing voyage, and etc.



## Days at Sea



Formulate the 13<sup>th</sup> Five Year Plan for CMRV

A

B

Continue to enlarge numbers of RV

Advance technology of survey and research equipment

C

D

Develop standards for RV building and operation

Enhance international exchange and collaboration

E

Facilitate Chinese marine research and development communities



## *How to contact with CMRV ?*

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<http://www.cmrv.org>



***Thanks for your attention!***

**谢谢观看!**

