

Surveying, Mapping and Geoinformation Services System for the Major Natural Disasters Emergency Management in China

21 February 2013, Bangkok, Thailand



**National Administration of Surveying,
Mapping and Geoinformation, China**

1

Working Mechanism

2

Geoinformation Resource

3

SMGES Technology

4

SMGES Practice

SMGES—Surveying, Mapping and Geoinformation Emergency Services



1.1 Background: Frequent and varied types of natural hazards in China

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Wenchuan Earthquake, 2008, M8.0



Landslide in Zhenxiong, 2013



Yushu Earthquake, 2010, M7.1



Floods in South China, 2010



1.2 Background: National relief emergency plan for natural disaster

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- 4 levels of response are classified according to disaster intensity
- Every department and local government has respective duty and task
- Almost all the rescue work are based on Geo-referenced Information System

The screenshot shows the official website of the Central People's Government of the People's Republic of China. The header includes the national emblem and the text '中华人民共和国中央人民政府' (The Central People's Government of the People's Republic of China). Below the header, there is a navigation bar with links such as '网站首页' (Home), '今日中国' (Today's China), '中国概况' (General Situation of China), '法律法规' (Laws and Regulations), '公文公报' (Official Documents and Gazetteers), '政务互动' (Government Interaction), '政府建设' (Government Construction), '工作动态' (Work Dynamic), '人事任免' (Personnel Appointment and Dismissal), and '新闻发布' (News Release). The main content area displays the title '国家自然灾害救助应急预案(2011年10月16日修订)' (National Natural Disaster Relief Emergency Plan (Revised on October 16, 2011)). Below the title, there is a section for '1 总则' (General Principles), which includes sub-sections '1.1 编制目的' (Purpose of Compilation) and '1.2 编制依据' (Basis for Compilation). The text describes the plan's purpose to establish a system for responding to major natural disasters and to reduce casualties and property losses. The basis for compilation includes laws such as the '突发事件应对法' (Law on Dealing with Emergencies), '防洪法' (Law on Flood Control), '防震减灾法' (Law on Earthquake Preparedness and Disaster Relief), and '气象法' (Law on Meteorology).



1.3 NASMG has the duty to provide services for the major natural disasters emergency management in China 5



□ Chinese Vice Premier Li Keqiang emphasized that it is vital to **improve the capacity of SMGES**

□ NASMG puts the **SMGES as the key work** every year

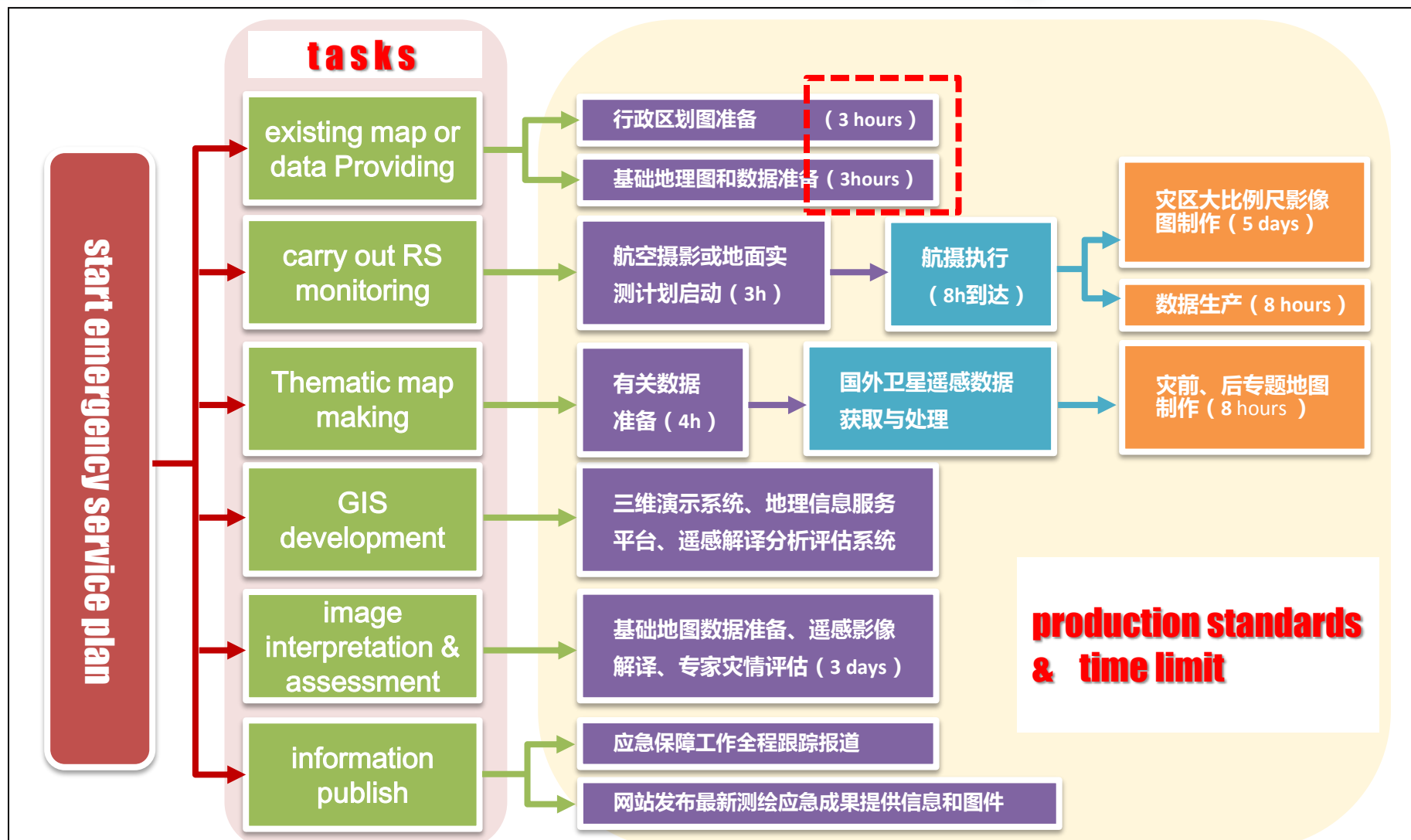
□ NASMG formally issued **national surveying, mapping and geoinformation emergency service plan** in March 2009

□ NASMG issued **SMGES work flow** in 2010



1.4 surveying and mapping emergency service work flow

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Existing Map or Data Providing & Production Standards



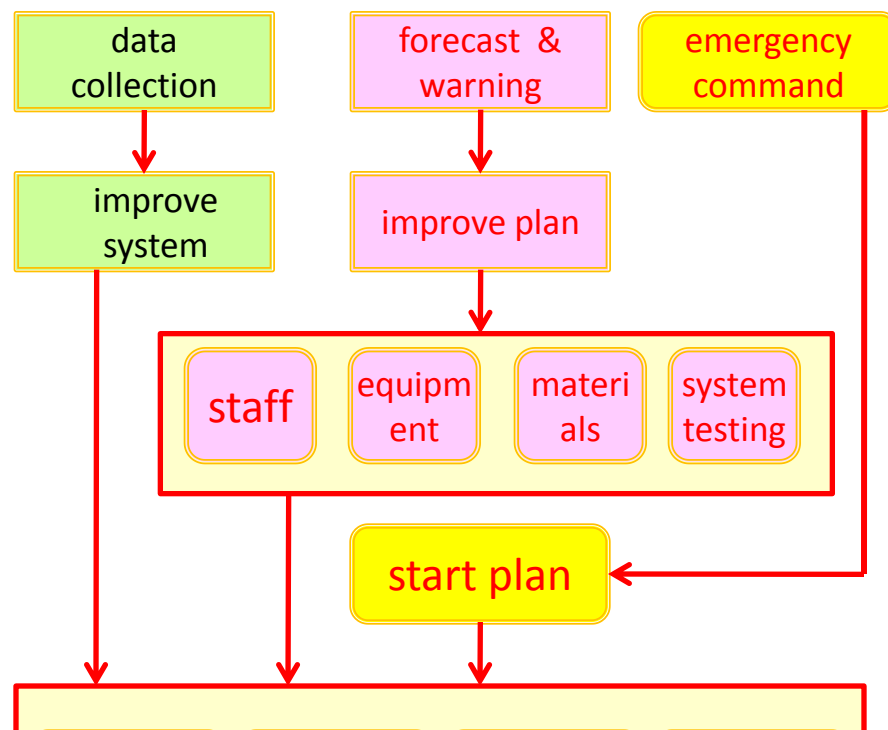
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1.5 normal-urgent combined SMGES mechanism

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- Normal-urgent combined, collect materials, improve equipment
- Utilize GIS, RS, thematic map making technologies, enhance the ability of SMGES for disasters



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_7131

