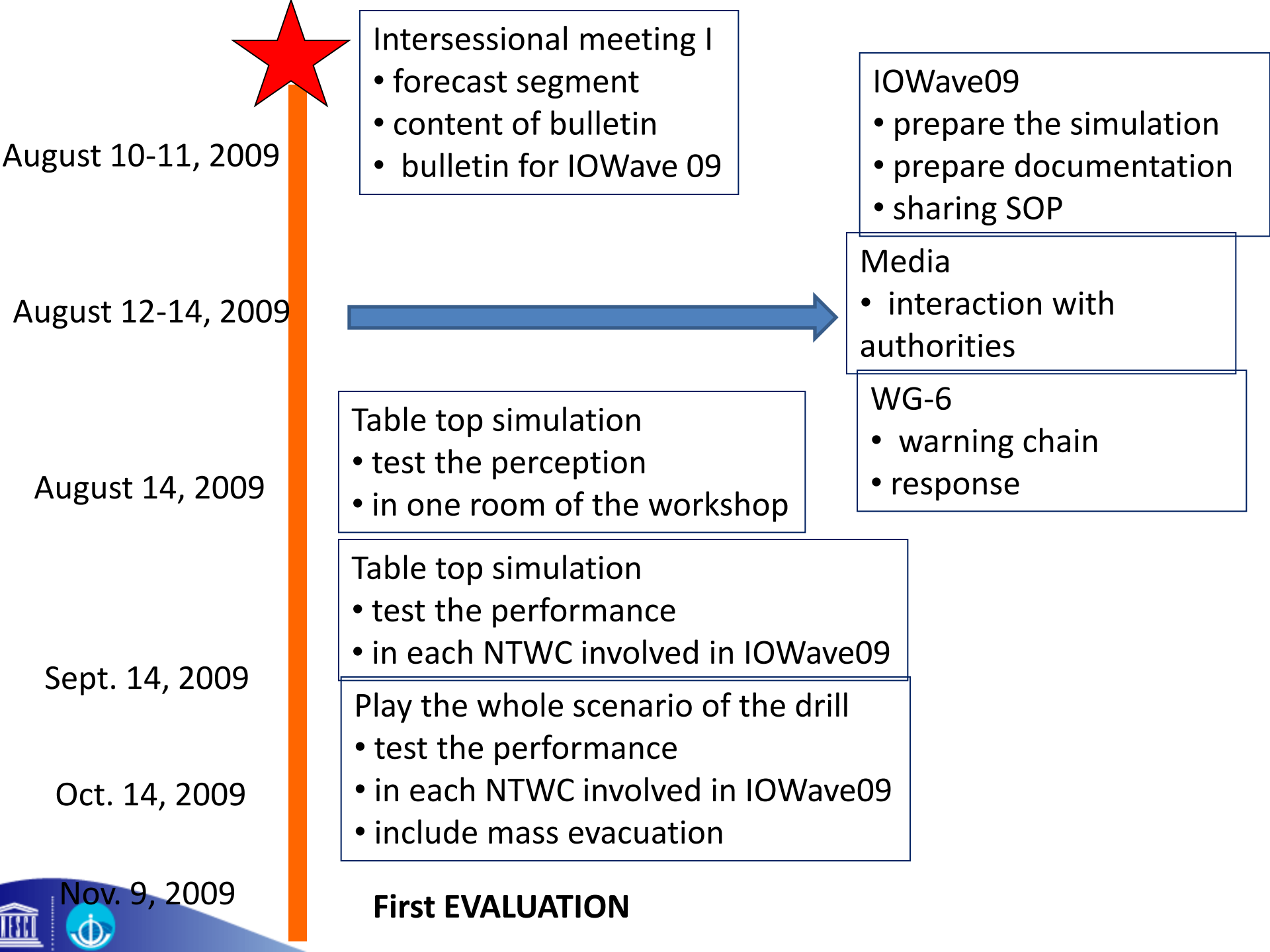




Workshop IOWave09

Evaluation

Perth, December 3, 2009



AGENDA toward ICG VII

Nov. 9, 2009

First EVALUATION, Jakarta

Draft Report,
Indonesia and International

Nov. 30, 2009

Second EVALUATION, Perth

Collecting report
International and
draft report international

March, 2010

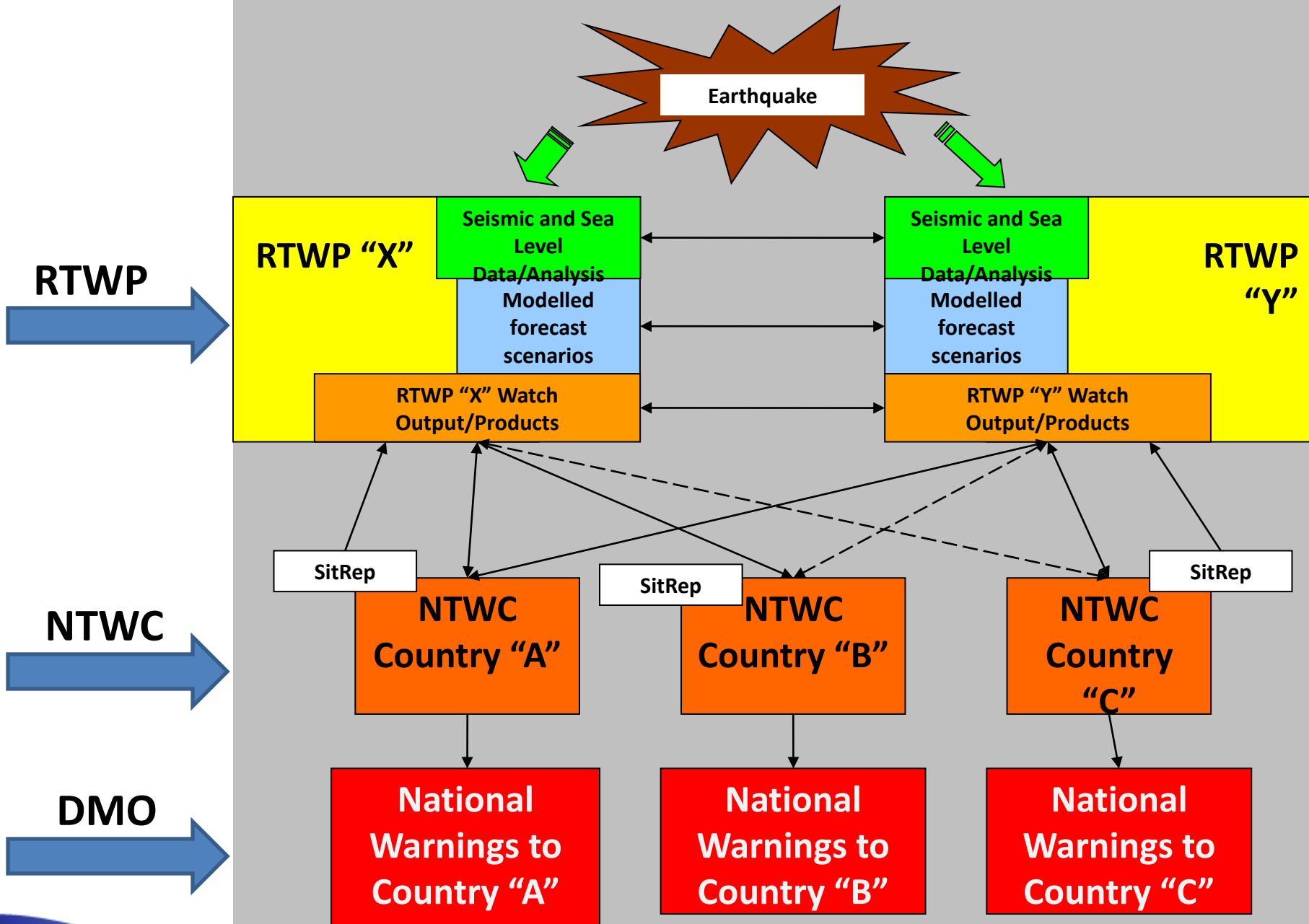
**National
Third EVALUATION, Jakarta**

Final Report,
International

April, 2010

Final Report, in ICG VII

Reporting IOWave09
Recommendation



IOWAVE09

- **Repeat the Sumatran Earthquake-Tsunami (26 December 2004)**
- **IAS (PTWC and JMA) bulletins will be used for all participant countries**
- **RTWPs will exchange the bulletin**

Objectives IOWave09

Technical guideline

1. Validate the international Tsunami Watch [or Advisory] Centres' dissemination process of issuing Tsunami Watch Bulletins to Indian Ocean countries.
 - a. Interim Advisory Service (IAS) PTWC and JMA bulletins to IOTWS NTWCs
 - b. RTWP bulletins to other RTWPs (NB, NTWCs will **NOT receive these bulletins**)
2. Validate the process of countries receiving and confirming Tsunami Bulletins through their designated Tsunami Watch Focal Points (TWFP).

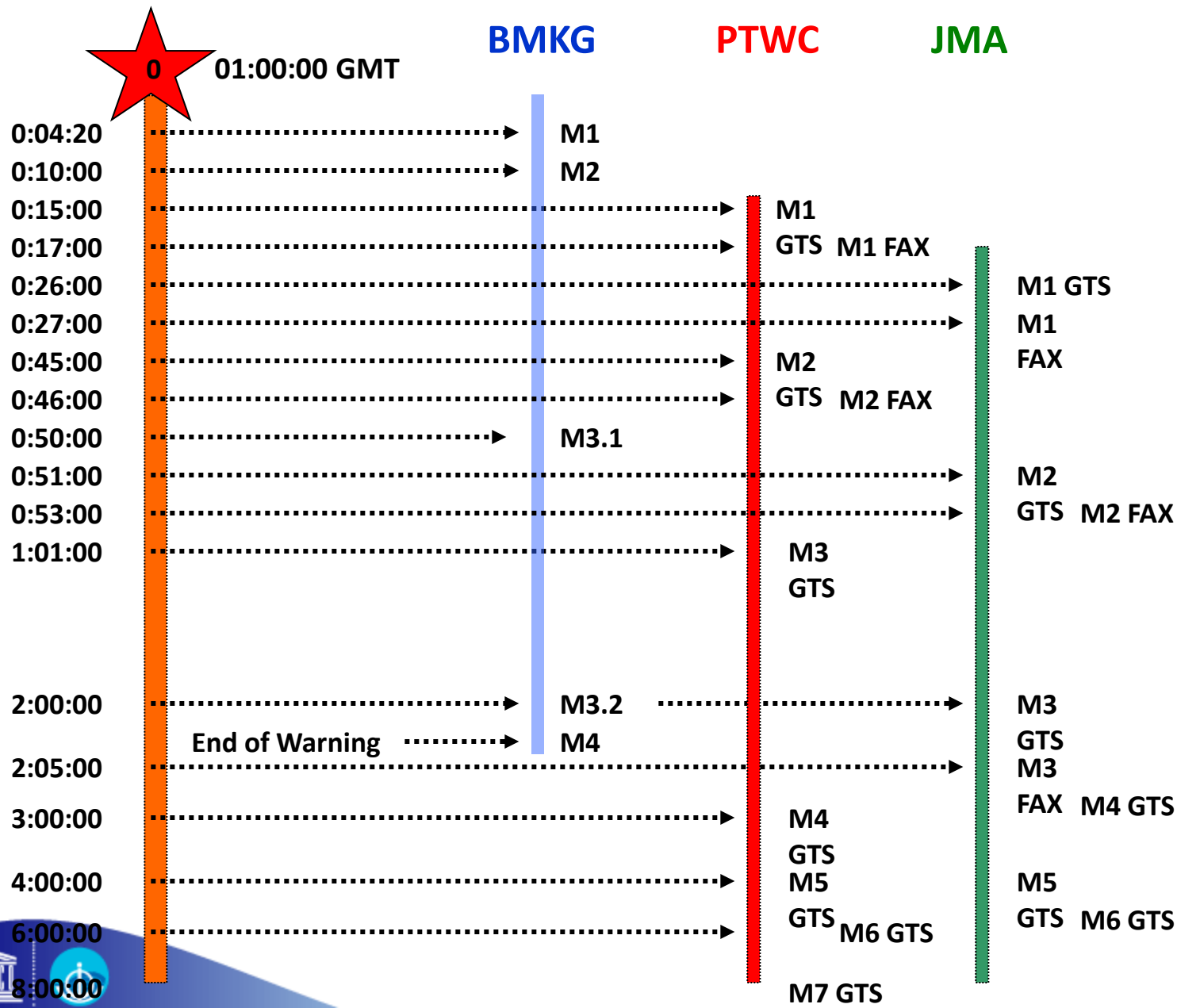


Objectives (nat. level) IOWave09

3. Validate dissemination of warning messages to relevant agencies within a country
4. Validate the organizational decision-making process for public warnings and evacuations
5. Identify the methods that would be used to notify and instruct the public
6. Assess the elapsed time for public notification and instruction



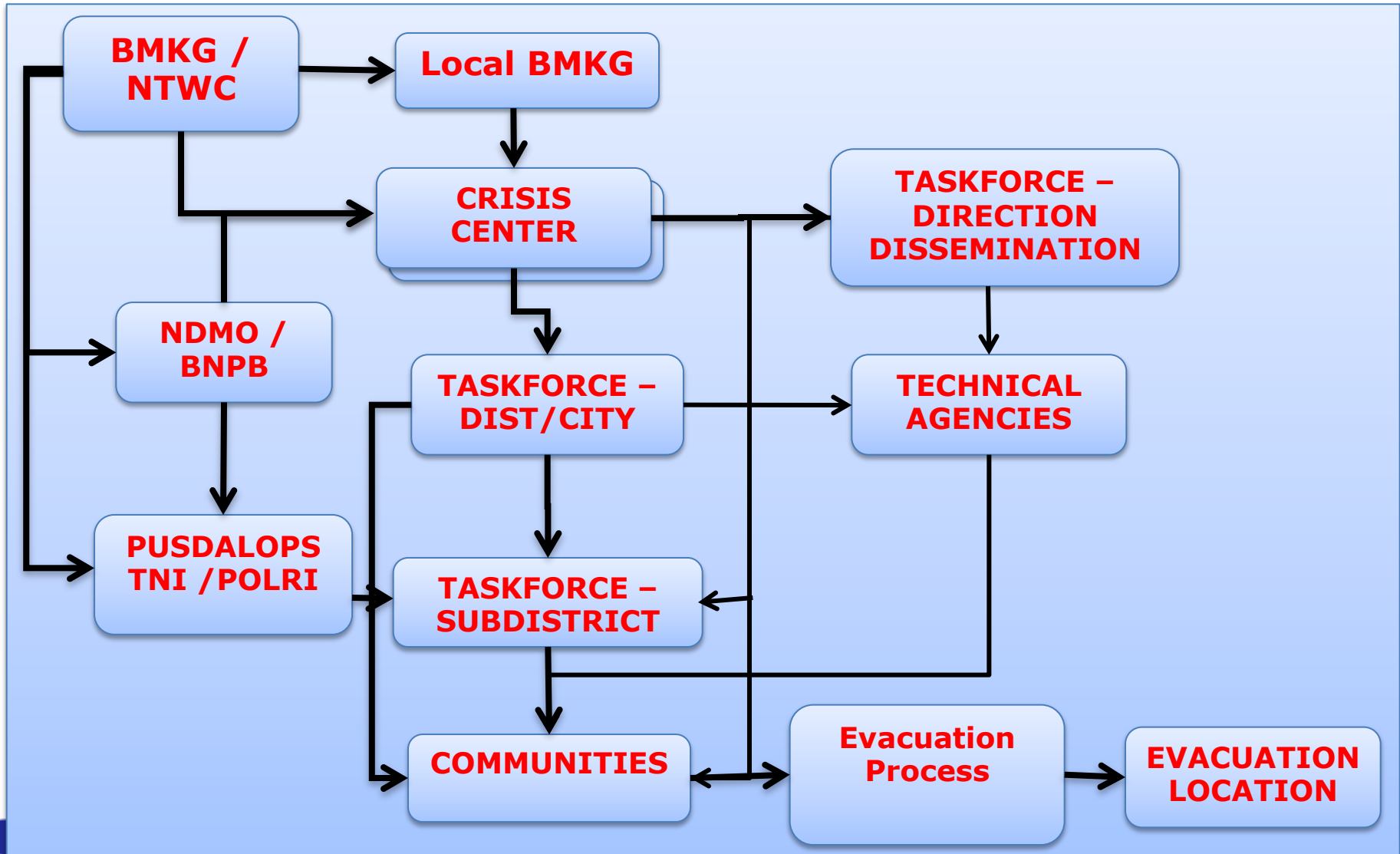
Time line : IOWAVE in Indonesia, October 14, 2009



National and international Institutions involved in Indonesia

- Ministry of State for Research and Technology
- Meteorology Climatology and Geophysics Agency
- National Disaster Management Agency
- Indonesian Institutes of Sciences
- Ministry of Communications and Information Technology
- Ministry of Home Affairs
- Ministry of Foreign Affairs
- UNDP
- JTIC – UNESCO
- InWent
- BGR
- GTZ-IS
- Aceh Provincial Government
- Banda Aceh Municipality Government
- Aceh Besar District Government
- Sabang Municipality Government

Warning Chain (Indonesia)





Workshop in August



Preparation with Aceh Gov



Media Workshop in August



Press conference in Aceh



Press conference in BMKG

First results

	Country	AUS	BAN	FR	IN	IND	KN	MAL	MD	MAU	MY	OM	PK	SY	SIN	SLK	TAN	T-L	%Y		
Bulletins	Received bulletins from PTWC	●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	94	1
	Received bulletins from JMA	●	●	●	●	●	●	●	○	●	●	●	○	●	●	●	●	●	●	94	1
	RTWP to RTWP bulletin	●	n/a		●	●	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
	NTWC bulletin					●															
NATIONAL ACTIONS	Exercise conducted at NTWC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	100	1
	SOPs at NTWC implemented	●	●	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	94	1
	Action taken after bulletin	●	●	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	94	1
	Warning disseminated to DMO	●	●	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	94	1
	Warning disseminated to other ERO	●	●	●	○	●	●	●	○	●	○	○	●	●	●	●	●	●	●	76	1
	Communication Problem with warning	○	●	○	○	○	○	○	○	●	●	●	n/a	●	○	○	○	●	●	41	7
NATIONAL RESPONSE	Any area evacuated	○	○	○	○	●	●	●	○	○	●	○	○	○	○	●	○	○	○	29	5
	Smooth evacuation	n/a	n/a	n/a	n/a	●	●	●	n/a	n/a	●	○	n/a	n/a	n/a	●	n/a	n/a			5
	Media Engagement	○	○	○	○	●	●	●	○	○	○	○	○	○	●	○	●	○	○	29	5
OVERALL ASSESSMENT	Exercise satisfactory?	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	100	1
	Any problems encountered?	●	●	○	●	○	○	●	○	●	○	○	●	●	●	●	●	●	●	65	1



IOTWS Communication Test - 16 March 2011

- 3 RTWPs & 18 NTWC participated
- GTS: 35% of the messages received, delay 0-16min
- Fax: 30% received, latency 0-165min
- Email: 95% received, latency 0-18min
- Web-access at RTWCs: 95%

2nd IOTWS Communication Test on June 14, 2011



THANK YOU

