National Policies and Implementation of

Flood Risk Reduction in Thailand

By

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Flood Figures in Thailand 2010

No. of Floods in 2010	:	7
Affected regions	:	4 (Ctrl, NE, E, S)
Affected provinces	:	51
Affected Inhabitants	:	10 M
No of Deaths	:	281
Cost (approx)	:	11,812 M Baht (0.1 % of GDP)
Overall hazard ranking	:	1

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Disaster Prevention and Mitigation Act 2007

➢ Enacted on Nov 6,2007

➢ Termination of Civil Defense Act   1979

➢ Termination of Fire Prevention and Suppression Act 1999

➢ DDPM is the principal government agency in National Disaster Prevention and Mitigation.

➢ National Disaster Prevention and Mitigation Plan has to be formulated within 2 years.

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National Plans

➤ The 11th National Economics and Social Development Plan 2011-2015 includes the effects of a global warming and a climate change.

➤ National Master Plan on Food and Energy Securities is formulated. (based on a global warming for the next 2-5 decades)

➤ National Disaster Prevention and Mitigation Plan 2010-2014 is a national framework for all sectors to play their roles on Disaster Risk Reduction and Disaster Management. (approved by the cabinet on November 17,2009)

แผนการป้องกัน
และบรรเทาสาธารณภัยแห่งชาติ
พ.ศ. ๒๕๕๓-๒๕๕๗

คณะกรรมการป้องกันและบรรเทาสาธารณภัยแห่งชาติ

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Master Plan / Action Plan

➤ Master Plan on Floods / Storms / Landslides Prevention and Relief was formulated and approved by the cabinet on September 25, 2007.

➤ 3-Year Action Plan on Floods / Storms / Landslides (2010-2014) according to the above Master Plan was formulated and approved by the cabinet on August 2009.

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PROVINCIAL / DISTRICT / LOCAL / COMMUNITY PLAN

➢ 18 Provincial Cluster Disaster Prevention and Mitigation Plans were formulated and utilized.

➢ 75 Provincial Disaster Prevention and Mitigation Plans were formulated and utilized.

➢ Bangkok Metropolitan Administration (BMA) Disaster Prevention and Mitigation Plans were formulated and utilized.

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PROVINCIAL / DISTRICT / LOCAL / COMMUNITY PLAN
(Continued)

➢ 878 Districts Disaster Prevention and Mitigation Plans were formulated and utilized.

➢ 7,405 Thambon (Sub-District) Disaster Prevention and Mitigation Plans were formulated and utilized.

➢ More than 5,189 Community Disaster Prevention and Mitigation Plans were formulated and utilized. The target to achieve 75,000 Community Plans in near future

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Annual Exercise

➢ Regional Level : ASEAN's ARDEX is conducted once a year.

➢ National Level : A Crisis Management Exercise (C-MEX) is conducted once a year.

➢ Provincial Cluster Level : the exercise is conducted once a year.

➢ Provincial Level / BMA Level : the exercise is conducted twice a year.

➢ District Level : the exercise is conducted once a year.

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DEVELOPMENT DIRECTION

➢ National Disaster Data Bank is on the way to be developed and expected to be completed by 2011.
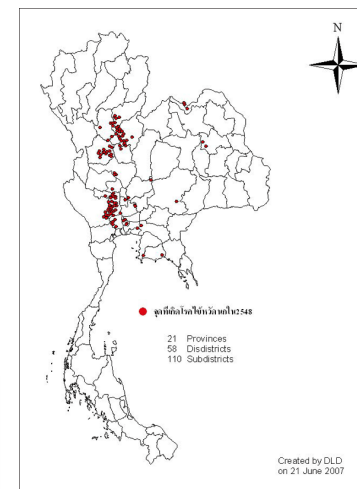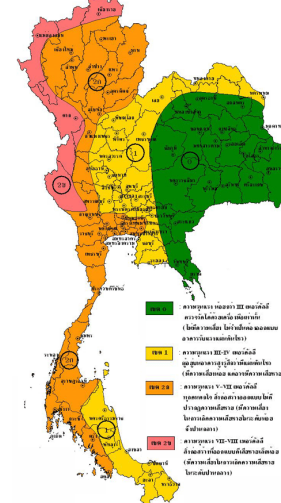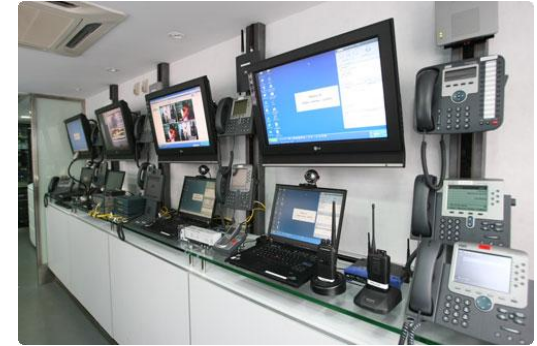
➢ More Rain-Gauges/ Run off stations/ Telemetering stations to be added.

➢ A number of Mister Disaster Early warning to be increase.

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DEVELOPMENT DIRECTION
(Continued)

➢ Flood Early Warning Systems to be improved.

➢ The GIS / Satellite Images / Flood Numerical models are to be applied much more.

➢ Town Planning and Water Resources Planning to be integrated to Provincial Development Strategy.

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LESSONS LEARNED

➤ Preparedness Level to be improved.

➤ Revision of all plans.

➤ Damage and Need Assessment to be improved.

➤ Donation system to be improved.

➤ Insurance system to be improved.

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LESSONS LEARNED
(Continued)

➢ **Korat Model** to be formulated for NakhonRatchasima and North Eastern Provinces.

➢ **Hadyai Model** to be formulated for Songkhla and Southern Provinces.

➢ **Lopburi Model** to be formulated for Lopburi and Central Provinces.

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Conclusions

> Flood Preventions are worth investment.

> Data base and information are worth decision making

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THANK YOU & SAWASDEE

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