

MULTIPLE HAZARDS BRIDGE MONITORING SYSTEM

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From : Youtube



From : Youtube



From : Youtube



From : Youtube

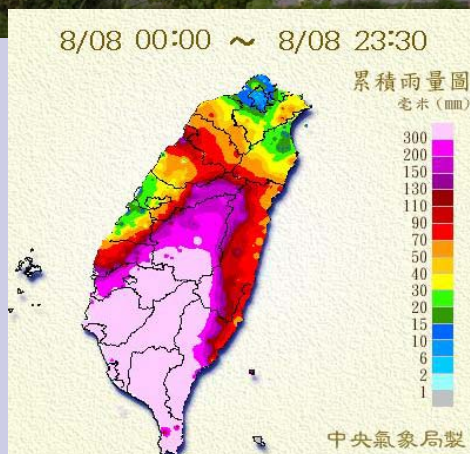


Background

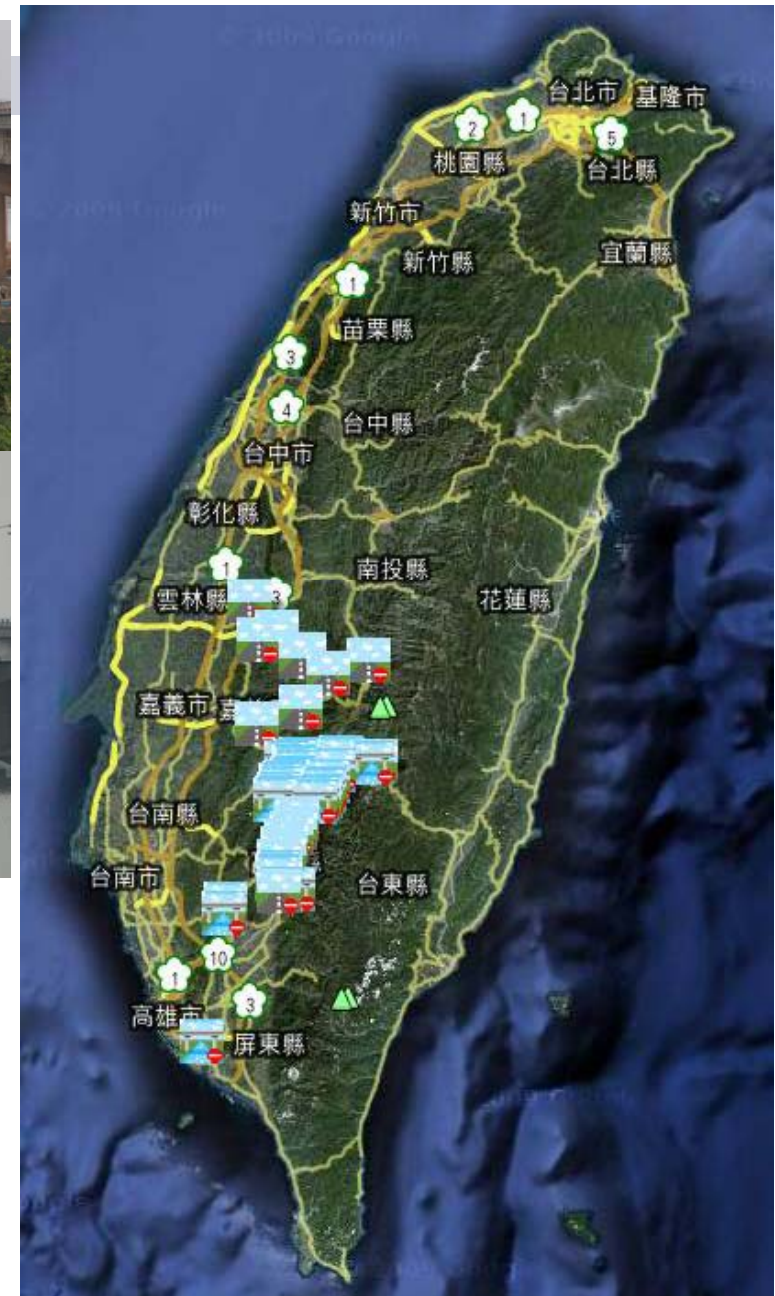
雙園大橋 2008/11



莫拉克颱風 2009/08




184 bridges damaged
Morakot Typhoon,
Aug, 2009



Morakot Typhoon August, 2009



Challenge of Bridge Design and Safety Monitoring

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- **Collect and analyze the character of river and bridge**
 - **Existing condition of scour/debris/ earthquake**
 - **Safety evaluation process of bridge scour/debris**
 - **Develop hydraulic model to warn bridge safety**
 - **Real time bridge early warning system**