



Mapping of Flood Hazard and Ground Water Recharge Potential Using Watershed Analysis in Upper Chao Phraya Basin

IMPAC-T : Group of Mapping of Water Resource
(Stability / Volunerable)



Outlines

- Member
- Project schedule
- Activities of last 6 months
- Final achievements
- What will we do next



Proposal

- Members

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Proposal

- Theme
 - Mapping of flood hazard
 - Watershed-Scale Storage and Storage Potential
- Scheme
 - GIS application
 - Hydrological technic of storage model derived from a recession analysis. (Kirchner : WRR, 2009)
- Output
 - Flood hazard map for cities
 - Apply technic research



Activities of last 6 months

- A trial analysis with hourly data year 2005, 2011@ P.1, Y.1C
(Method by Kirchner : WRR, 2009)
- Unit hydrograph



Final Achievements

- Flood Hazard Map at
 - Chiang mai (P.1)
 - Lampang (W.1C)
 - Phrae (Y.1C)
 - Nan (N.1)
- Watershed-Scale Storage and Storage Potential
(Method by Kirchner : WRR, 2009)
- Unit hydrograph



What will we do next

- A trial analysis with hourly data year 2005, 2011@ W.1C, N.1 (Feb-Mar)
- A trial of 3 components : Surface flow, Interflow, Base flow (If we have time)
- Ground shooting (Apr-May)
- GIS processing with DEM (May-Aug)
- Discussions
- Documents
- Conclusion and public



THANK YOU
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ありがとうございます