

PARTICIPATORY GIS AND PUBLIC ENGAGEMENT IN WATER RESOURCE MANAGEMENT IN NAM DINH, VIET NAM

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Abstract: Integrated water resource management (IWRM) aims at effectively and efficiently managing and distributing water resource under principles of good governance and public engagement and participation. We started to review documents relating to Governance and Public Participation in natural resources management and lessons learnt from recent studies. Then, in combination with GIS, we focused on creating a facilitative technical framework for participation of grassroot groups in decision making and monitoring processes and discussed how well communities can be involved in water mangement. The result is a Web-based GIS, through which stakeholders participate in monitoring water resource condition, exchange dialouge and contribute to managers and decision makers. We found that although there is still limitation in having access to internet, the local communities become more active and are willing to involve in the decision making processes.

Keywords: Integrated Water Resource Management (IWRM), PGIS, Public Engagement