



Quality assurance in establishing flood stage-damage relationships

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Economic appraisal of flood damages is necessary for flood control planning and for informing the stakeholders. At least for small and medium sized areas the damage values are usually assigned to individual buildings. These loss values should also serve as means for calibrating mesoscale estimation of flood damages linked to assets published in the official statistics of the national economy. Based on research and long-term experience, procedures for the assessment of reliable stage-damage relationships will be presented.

In addition difficulties with the application of damage data in economic appraisals of flood protection measures and risk analyses will be discussed. Among others the problems of inappropriate flood-plain land use and remaining risk are pointed out.