Integrated approach to Wetlands and River Basin Management: The case of the Netherlands Meanderene de Maas River project

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INTRODUCTION

Need for wetland management to

- optimize the ecosystem services: provisioning & regulation
- control the disservices as well: floods and water-loggs

OBJECTIVES

- To analyze the need for stakeholder engagement
- To assess the potential impacts of proposed wetland project designs (Iconic, Lommerijke & Ruige) on Maas ecosystem services
- To scale the designs in the light of their potential impacts on ecosystem & stakeholders wellbeing

METHODOLOGY

Study area: Ravenstein to Lith covering 21 villages along 25 KM area of the Maas River in Oss Municipality in the Netherlands

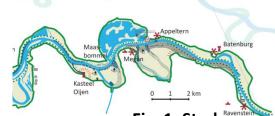


Fig. 1: Study area

DISCUSSION

- Enhanced public participation & education
- Eco-friendly designs that will make more room for the river & enhance dyke capacity

RECOMMENDATIONS

schools and IDP camps as well

These strategies are recommended for developing low lying states in Nigeria
Niger delta has water quantity problem, hence, dyke constructions, wetland canalization & channelization with river bank manipulations will save communities from constant flooding.
Climate change public education should start in

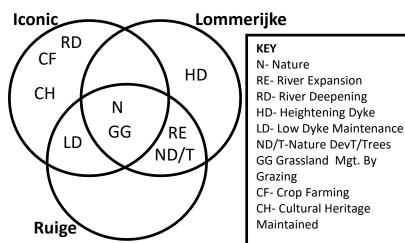
2012; IWRM (2018) Fig. 2: Features of the wetland mgt designs

RESULTS

Data collection: Semi-structured interviews, field visits

&on-site assessment.

Data analysis: Matrix
and GOPP for
stakeholder analysis
and ecosystem
evaluation (FAO,







Researchers at the Maas River project assessment (IWRM, 2018).



Stakeholders at the Maas River project workshop (IWRM, 2018).

Fig. 3: Stakeholders meetings

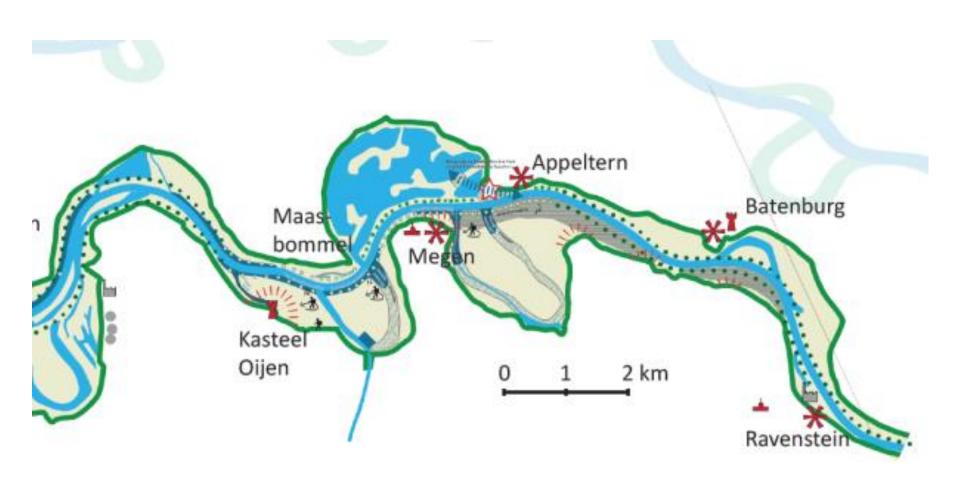
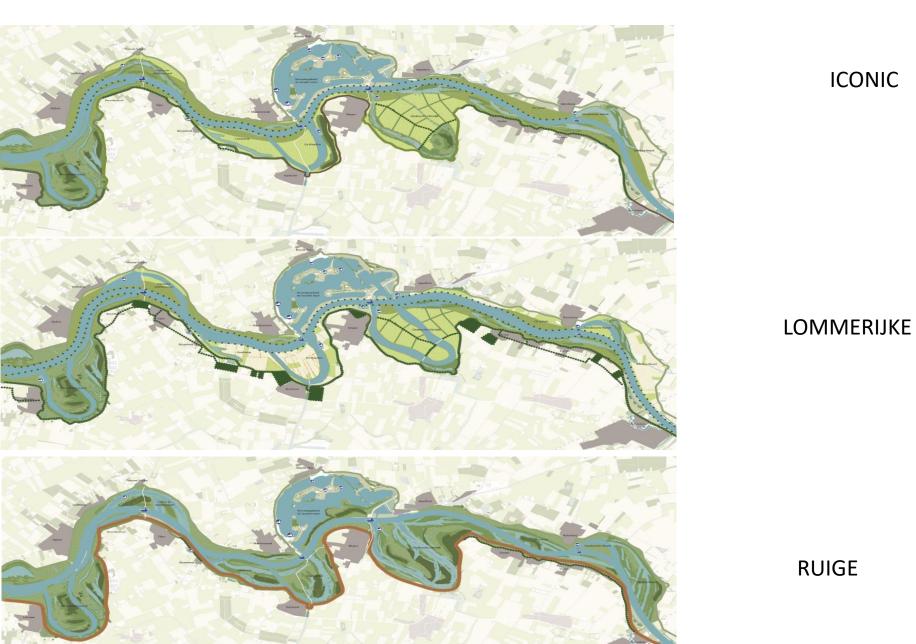


Fig. 4: Five out of the 21 villages along the study area

THE THREE DIFFERENT PROJECT DESIGNS



Thank you for listening