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### Experience from three years of local capacity development for tsunami early warning in Indonesia: challenges, lessons and the way ahead

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Abstract. Five years after the 2004 tsunami, a lot has been achiev make communities in Indonesia better prepared for tsunamis. This achievement is primarily linked to the development of the Indonesi Tsunami Early Warning System (InaTEWS). However, many challen remain. This paper describes the experience with local capacity development for tsunami early warning (TEW) in Indonesia, based activities of a pilot project. TEW in Indonesia is still new to disaster management institutions and the public, as is the paradigm of Disa Reduction (DRR). The technology components of InaTEWS will soor operational. The major challenge for the system is the establishme clear institutional arrangements and capacities at national and loca that support the development of public and institutional response capability at the local level. Due to a lack of information and nation guidance, most local actors have a limited understanding of InaTE\ DRR, and often show little political will and priority to engage in TE' often-limited capacity of local governments is contrasted by strong engagement of civil society organisations that opt for early warnin on natural warning signs rather than technology-based early warn Bringing together the various actors, developing capacities in a mu stakeholder cooperation for an effective warning system are key challenges for the end-to-end approach of InaTEWS. The developn local response capability needs to receive the same commitment a development of the system's technology components. Public under of and trust in the system comes with knowledge and awareness i part of the end users of the system and convincing performance or part of the public service provider. Both sides need to be strengthe This requires the integration of TEW into DRR, clear institutional arrangements, national guidance and intensive support for capacit development at local levels as well as dialogue between the variou actors.

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