



## Working Group

# Hills to Ocean (H<sub>2</sub>O)



Speaker	Stefan Alfred Groenewold
Co-Speaker	Aaron Lobo
Tandem Partner	Mechthild Kronen and Janina Korting
No. of Countries	21   Indonesia, Fiji Islands, Pacific Island States, Malaysia, Singapore, Brunei Darussalam, Laos, Philippines, Viet Nam, Indonesia, Myanmar, Thailand, Cambodia, Malaysia and Bangladesh
No. of Projects	9 (including programs) plus Blue Solution
No. of Members	39 (18 active on GC 21)
Description	<p>Fast growing cities, ports, tourism development, impoverished communities, over-used fish stocks, habitat degradation and finally sea level rise are leading to an increasing vulnerability of coastal areas, especially in south-east Asia. In this complex situation and with so many different stakeholders, it is not easy to find clear solutions.</p> <p>The GIZ developed several tools and integrated approaches which are enhancing cross-sectoral planning in order to reduce stakeholder conflicts and to develop sustainable use and effective conservation of coastal and marine resources. Projects connected by the WG are dealing with different although closely interlinked topics:</p> <ul style="list-style-type: none"> <li>• Integrated Coastal Zone Management (ICZM) with inclusion of different stakeholders</li> <li>• Aquaculture, (small-scale) sustainable fishing,</li> <li>• Coastal and marine conservation (MPA –Marine Protected Area network)</li> <li>• Mangrove conservation and restoration</li> <li>• Participative coastal &amp; marine biodiversity management</li> <li>• Coastal and Marine Spatial Planning (CSP, including Zoning)</li> <li>• Integrated Coastal Protection Planning (includes erosion control, breakwater, mangrove belt, sea-dyke and livelihood)</li> </ul> <p>The main objective of the WG is to create a lively platform for knowledge exchange (on GC 21) which enhance up-scaling of successful models and methods for problem solving. At the same time, we want to be at the edge of new international developments in Coastal Zone Management.</p>
Issues Topics currently worked on Highlight Activities	<p>The WG agreed in Nov 2015 to work on new issues in order to integrate recent projects and international developments. These topics are:</p> <ul style="list-style-type: none"> <li>• Coastal and Marine Spatial Planning</li> <li>• Regional Ocean Governance</li> <li>• Transboundary and delta issues (Mekong River), taking into account terrestrial and marine linking</li> <li>• Marine litter (linking to WG Biodiversity) and port development</li> <li>• Coastal erosion control and environmental coastal engineering (eg. T fence breakwater) and integrated planning of coastal protection systems (from breakwater, mangrove belt in the foreshore land to sea-dyke design and -routing to land use in the hinterland.</li> <li>• In general, it is observed that traditional marine and coastal themes such as MPA networks, sustainable fishery and aquaculture are more and more linked with themes around land- and water use planning, coastal protection against erosion, flooding and storm surge (CC impacts on the coast).</li> </ul>
Success Products of last year	<ul style="list-style-type: none"> <li>• Contributions to several international Workshops and conferences: ITMEMS (International Tropical Marine Ecosystem Management Symposium) or ICRS (International Coral Reef Symposium).</li> <li>• Last meeting (together with Blue Solution) and combined exposition booth at East Asian Seas Congress 2015, Danang, Vietnam.</li> <li>• Close collaboration with Blue Solutions. Some products of the WG were published online and in book form in: Blue Solutions from Asia and the Pacific (GIZ – Grid Arendal – IUCN – UNEP, 2015).</li> </ul>
Established Since	2014 (re-named and re-aligned during SNRD Meeting in Bangkok)
WG's Contribution to the 2030 Sustainable Development Goals	<p>SDG 13: Climate</p> <p>SDG 14: Marine-ecosystems</p>

