

# Annex VI

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**External References of Primary Relevance Sorted by Thematic Areas**

Development Theme	Impact Aspect	Geographic Focus	Publication
1. Irrigation	Food production Economic development Economic benefits	Delta	Kennedy 2011 - Efficient nutrient use in rice production in Vietnam achieved using inoculant biofertilisers
1. Irrigation, 2. Agriculture and Land Use	Food Production, Water quantity, Water availability, Economic development, Distribution of Benefits	Mainstream, Floodplain – Tonle Sap, Delta	Seng2003 - Proceedings of a CARDI International Conference on Research on Water in Agricultural Production
1. Irrigation 2. Agriculture and Land Use	Fisheries, Economic benefit	Floodplain – Tonle Sap, Delta	Joffre2010 - Understanding adoption and discontinuance for greater impact
1. Irrigation 2. Agriculture and Land use; 3. Domestic and Industrial use; 4. Flood protection structures and flood plain infrastructure, 5. Hydropower, 6. Transportation;	Fisheries Environmental condition/health Biodiversity; Hydrology/ Water availability Floods, Food Production, Sediment Transport; Water Quality; Food Security; Quality of Life; Flood Risk, Drought Risk, Human Health Social Development, Economic Economic development, Employment	Mainstream, Floodplain – Tonle Sap, Delta	Smajgl & Ward 2013 The water_food_energy nexus in the Mekong
1. Irrigation 2. Agriculture/ Land use: aquaculture 4. Floodplain infrastructure 5. Hydropower 7. Climate Change	Food production Salinity	Floodplain – Tonle Sap Delta	To 2011 - The Mekong Future Project First Draft Report On The Hydrological Simulation
1. Irrigation 5. Hydro power,	Fisheries, Environmental Condition Economics	Main stream, Flood plain, Tonle Sap Delta	Costanza2011 - Planning approaches for water resources development in the Lower Mekong Basin
2. Agriculture and Land Use: Sand mining	Sediment Transport	Mainstream, Delta	Bravard et al 2013 geography-of-sand-and-gravel-mining-in-the-lower-Mekong-river echogeo-13659-26
2 Agriculture and Land Use:	Water quality	Mainstream, Floodplain – Tonle Sap, Delta	Liljestrom2012 - Nutrient balance assessment in the Mekong Basin- Nitrogen and phosphorus dynamics in a catchment scale
2 Agriculture and Land Use: aquaculture	Environmental condition Water quality,	Delta	Bosma2009 - Environmental impact assessment of the <i>Pangasius</i> sector in the Mekong Delta
2 Agriculture and Land Use: aquaculture	Environmental condition Water quality	Delta	Bosma2011 - Life cycle assessment of intensive striped catfish farming in the Mekong Delta for screening hotspot
2 Agriculture and Land Use: aquaculture	Environmental condition, biodiversity, water quality, Economic development, Employment, Distribution of Benefits	Delta	Lan2013 - Social and ecological challenges of market-oriented shrimp farming in Vietnam
2 Agriculture and Land Use: aquaculture	Environmental condition, biodiversity, water quality, Economic development, Distribution of	Delta	Lewis2003 - Thematic review on coastal wetland habitats and shrimp aquaculture

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	Benefits		
2 Agriculture and Land Use: Fisheries	Fisheries, over fishing illegal fishing Biodiversity	Mainstream	Baran2005 - Fisheries bioecology at the Khone Falls (Mekong river, southern Laos)
2 Agriculture and Land Use: Fisheries	Economic Impact	Main stream, Flood plain, Tonle Sap Delta	Baran2005 - Values of inland fisheries in the Mekong River Basin
2 Agriculture and Land Use: Fisheries	Fisheries, over fishing illegal fishing Biodiversity	Main stream, Flood plain, Tonle Sap Delta	Baran2008 - Have fish catches been declining in the Mekong river basin
2 Agriculture and Land Use: Fisheries	Fisheries, over fishing, illegal fishing Biodiversity	Main stream, Flood plain, Tonle Sap Delta	Baran2012 - Fish bioecology in relation to sediments in the Mekong and in tropical rivers
2 Agriculture and Land Use: Fisheries	Fisheries, Food Security, Social Development, Economic benefits	Main stream, Flood plain, Tonle Sap Delta	Israel 2005 - Aquatic Resources Valuation and policies for poverty elimination in the Lower Mekong Basin
2 Agriculture and Land Use: Fisheries	Fisheries, over fishing illegal fishing Biodiversity Water quality	Tonle Sap	Lamberts 2001 - Tonle Sap fisheries- a case study on floodplain gillnet fisheries
2 Agriculture and Land Use: Fisheries	Food production	Mainstream, Floodplain – Tonle Sap, Delta	Mainuddin 2008 - Fisheries productivity and its contribution to overall agricultural production in the lower Mekong river
2 Agriculture and Land Use: fisheries	Environmental condition, biodiversity, water quality, Economic development, Distribution of Benefits	Mainstream, Floodplain – Tonle Sap, Delta	Neiland 2006 - Tropical river fisheries valuation- a global synthesis and critical review
2 Agriculture and Land Use: fisheries	Environmental condition, biodiversity, water quality, Economic development, Distribution of Benefits	Mainstream, Floodplain – Tonle Sap, Delta	Neiland 2008 - Tropical river fisheries valuation- background papers to a global synthesis
2. Agriculture and Land Use	Sediment transport, Food production	Delta	Ghyselinck 2013 - Temporal changes of physical soil properties under different land use systems and land management
2. Agriculture and Land Use: Fisheries	Fisheries, biodiversity	Main stream, Flood plain, Tonle Sap, Delta	Halls 2010 - Estimation of annual yield of fish by guild in the Lower Mekong Basin- report for the NIES-the World
2. Agriculture and Land Use: Fisheries	Hydrology, floods, sediments, water quality, Social Development, Economic Development, Employment, Distribution of benefits	Mainstream	Hong 2013 – Basin Profile of the Upper Sesan River. Project report- Challenge Programme on Water and Food
2. Agriculture and Land use; fisheries	Fisheries	Floodplain – Tonle Sap	Sopha 2003 - Fish Yield Estimation in the Floodplains of the Tonle Sap Great Lake and River, Cambodia
2. Agriculture and Land use; fisheries	Fisheries Fisheries Food production Distribution of Benefits	Floodplain – Tonle Sap	Swan 2005 - Overcoming factors of unsustainability and overexploitation in fisheries- selected papers on issues
3. Domestic and Industrial Use	Health, Water quality, Economic Development	Delta	Hutton etal 2008 Economic impact of sanitation in Viet Nam
3. Domestic and Industrial Use	Health, Water quality, Economic Development	Mainstream Floodplain – Tonle Sap,	Hutton etal 2008 Economic impacts of sanitation in Cambodia
3. Domestic and Industrial Use	Health, Water quality, Economic Development	Mainstream	Hutton etal 2009 - Economic impacts of sanitation in Lao PDR
4. Flood protection	Hydrology, sediments, water quality,	Delta	Hashimoto 2001 - Environmental Issues and

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and Infrastructure			Recent Infrastructure Development in the Mekong Delta- review, analysis and
4. Flood Protection Infrastructure 6. Transportation Navigation	Food Production	Delta	Edmonds 2002 - Role of Infrastructure in Land-Use Dynamics and Rice Production in Viet Nam's Mekong River Delta
4. Flood protection structures	Hydrology / water quantity, Floods, Sediment Transport	Delta	Thorsten Albers 2013 - Coastal Protection in the Lower Mekong Delta
5. Flood structures	Fisheries	Flood plain – Tonle Sap	Baran 2007 - Influence of built structures on Tonle Sap fisheries
5. Hydropower	Food Production Sediment	Main stream, Flood plain, Tonle Sap, Delta	Freden 2011 - Impacts of dams on lowland agriculture in the Mekong River catchment
5. Hydropower	Sediment Transport	Mainstream, Floodplain – Tonle Sap, Delta	Kummu 2007 - Sediment-related impacts due to upstream reservoir trapping, the Lower Mekong River
5. Hydropower	Hydrology / water quantity	Floodplain – Tonle Sap,	Kummu 2008 - Impact of the Mekong River flow alteration on the Tonle Sap flood pulse
5. Hydropower	Hydrology, sediments	Mainstream,	Lu 2006 - Water discharge and sediment flux changes over the past decades in the lower Mekong River- possible
5. Hydropower	Fisheries, biodiversity, food security	Mainstream, Floodplain – Tonle Sap Delta	Ziv etal 2012 - Trading-off fish biodiversity, food security, and hydropower in the Mekong River Basin
5. Hydropower, 7. Climate Change	Hydrology, water quantity	Mainstream	Lauri 2012 - Future changes in Mekong River hydrology- impact of climate change and reservoir operation on discharge
5. Hydropower,	Hydrology, water quantity	Mainstream	Rasanen 2012 - Downstream hydrological impacts of hydropower development in the Upper Mekong Basin
5. Hydropower, Irrigation, Fisheries	Fisheries, Environmental conditions, Quality of Life, Social Development, Economic Development, Distribution of benefits	Mainstream	Sakchai 2001 - Case Study- Pak Mun Dam, Mekong River Basin, Thailand

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7. Climate Change	Food security Economic Development Economic Benefits	Mainstream, Delta	Kirby 2009 - Mekong Basin focal project- final report