Climate Change Impacts and Value Chain of Durian Farming in Donsak, Surat Thani

2° Celsius Temperature Rise by 2029

Increasing investment to process products and sell to customers

Sellers of packed

fresh durian

Coastal erosion





Increasing burdens related to farming activities



Increasing investment on farms/ declining income and mental health /decreasing demand for seeding

Producer Department, Water System Supplier, Local Farmer Leaders, Farm Laborers, Electrician, Mechanics, Fertilizer Suppliers, Local Officers, Groundwater Drillers, Local Soil Experts

Promoting more farming knowledge

and standardization such as GMP,

GAP and FDA labelling



Book keeping of farming costs/ learning about farms innovation and new technologies

Stakeholders



Unpredictable yields and prices

Less groundwater sources/more

investment for water resources



Looking for more investment

options/promoting value-added

products

Increasing responsibilities due to more problems to solve in

transportation



Processors, Transport Services, Durian Agents Soil Improvement Supplier, Sellers of Cavendish Banana, Sugar Cane, and vegetables – supplementary products in durian farms



Forming groups to reduce transport burden, Zoning development for bigger farms to allocate for tourism and farming areas



Learning about alternative farming that is suitable for changing climate such as coconut trees

Research and development on farm tools such as durian grading machine, processed products such as durian paste, fried durian, durian toffee and ice-cream/farm visits/sustainable use of every part of durian inside out/carbon credit calculation for farms/ biodiesel fuel from durian peel/Creating equal opportunity for farm laborers, both Thai and non-Thai, to increase their knowledge/ encouraging the elder and disabled to be more actively involved/ ensuring safety for all gender groups

Processed products

traders and middlemen





Promoting additional roles of local women i.e., tie-dye clothing



Changing society members' mindset or notion that LGBTQI+ are just comedians

Possible Adaptation Activities Along the Value Chain