

Hue College of Economics

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Survey Site: Quang Nam, Vietnam

Background of the Study

Located in the heart of Vietnam, about 865 km - south of the country's capital - Ha Noi, Quang Nam is one of the most flood-prone provinces in Vietnam. The recent evidence of climate change impacts indicated that there is an increase in frequency and intensity of floods that caused severe impacts on a diverse set of biological, physical and economic systems in Quang Nam. In 2007, 9 extreme floods occurred and hit this province from 1st October to 7 December. The death toll and injury count hit 67 people and 339 people, respectively, and total damage cost in VND was 2000 billion.

MICRODIS is designed to investigate the integrated health, social and economic impacts of floods on local communities. Various research methods were used to collect and analyze data from the provincial to household level. There were 767 households selected in 25 flooded villages (575 households), and 8 less flooded villages (192 households). There were 706 questionnaires completed and entered into SPSS after double checking and cleaning implementation.

Figure 2: Health infections of children one month after floods

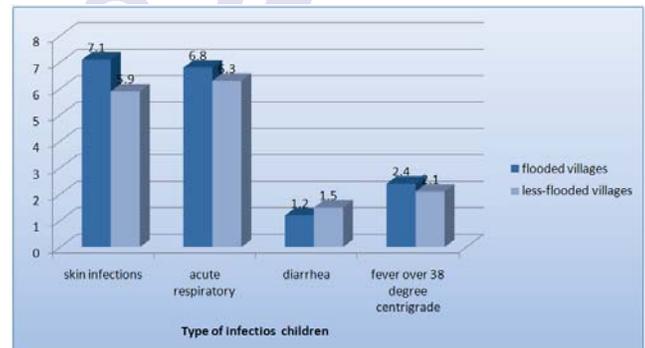
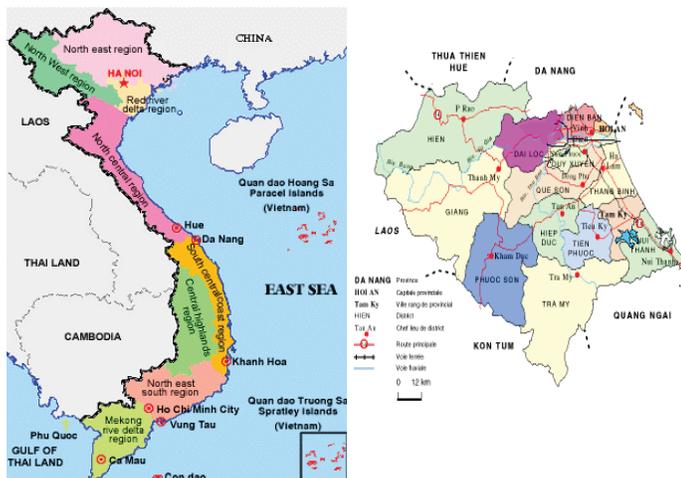


Figure 1: Map of Vietnam and Quang Nam



Source: Quang Nam portal website

Summary Statistics

Table 1 summarizes the general demographic characteristics of the 706 households included in our sample.

Table 1: Profile of respondents

Percent of male respondents (%)	75.5
Average age of respondents (year)	51.4
Average no. of persons/household	4.4
Mean household income/year (VND)	19,139,158

Table 2: Damaged cost due to 2007 floods (VND)

Types of damages	Mean	%
Damage to crops	983.423	25.8
Damage to livestock	849.646	22.3
Damage to aquaculture	160.765	4.2
Damage to family-based industry and service	6884	0.2
Damage to residential house	1.492.152	39.1
Damage to family properties	117.625	3.1
Damage to house due to public infrastructure	207.599	5.4
Total damage	3.816.105	100.0

Figure 3: Role of support for local communities

