

Deltas, vulnerability and Climate Change; Mitigation and Adaptation (DECCMA) DECCMA Biophysical and Socioeconomic State of the Volta Delta Region of Ghana from the Perspectives of Gender and Spatial Relations Prince Osei-Wusu Adjei; Patrick K. Ofori-Danson; Joseph K. Asenso and Samuel K. Amponsah.

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1.0 Introduction

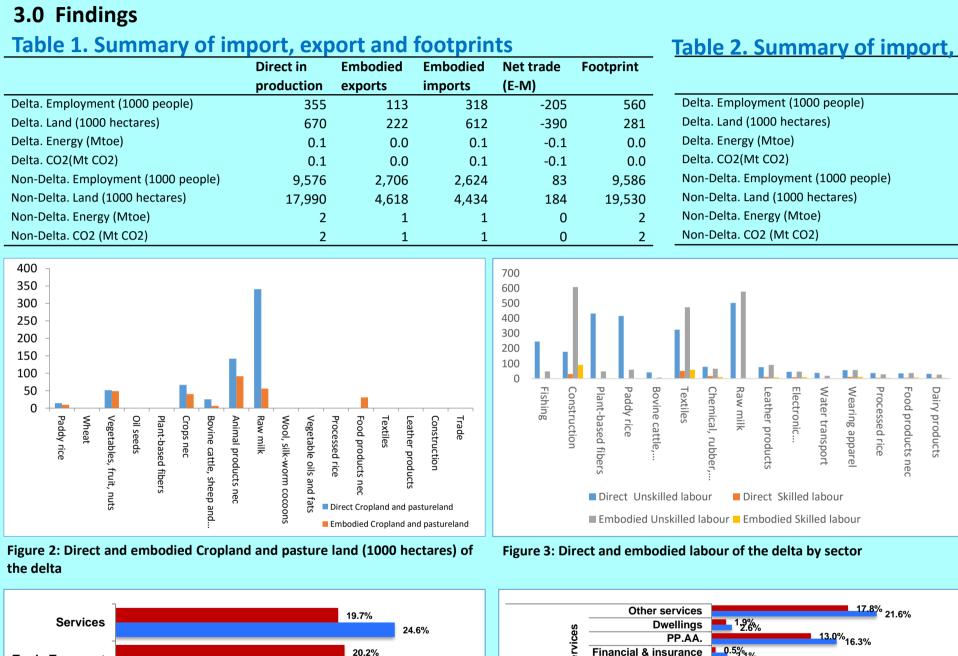
- □ The Volta delta region constituting the DECCMA study area covers a total area of about 3,301km² with an estimated total population of 863,810.
- □ The study aims at establishing the state of the Volta delta based on socioeconomic and biophysical context.
- □ Socioeconomic and biophysical context were linked to the final demand of goods and services in the delta, in the country and in the Rest of the World (RoW).

2.0 Methods



Figure 1: Map showing the study area (Volta Delta)

- Environmentally extended inputoutput(IO) model was applied.
- □ The regionalization method, Simple Location Method (SLQ) method was used in constructing the input –output table.
- □ The main information for the regionalization was the District Analytical Reports



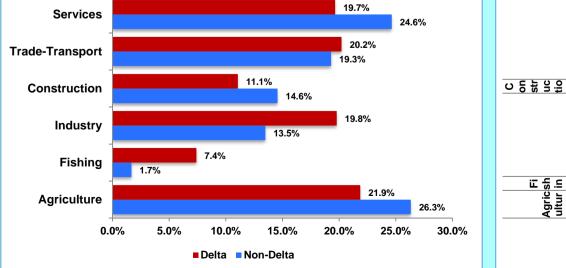
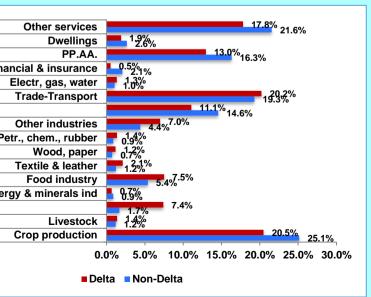


Figure 5: Distribution of Value Added by main 6 categories for the deltas.

Figure 6: Distribution of Value Added by main 16 categories for the deltas.

Table 2. Summary of import, export and footprints Direct in Embodied Embodied Net trade (Eproduction exports imports M) -127 355 187 60 670 175 361 -186 0.0 0.0 0.0 0 0.0 0.0 0.0 9.576 187 60 127 17.990 361 175 186 0.0 0.0 0.0 2 0.0 0.0 0.0



100% 90% 80% Services 70% Construction 60% Manufactures & 50% 40% Energy 30% Food 20% Fishing 10% Agriculture & forestry 0% NonDelta Delta NonDelta Delta Male Male Female Female

Figure 4: Direct and embodied labour by sector and gender in the Non-Delta and Delta

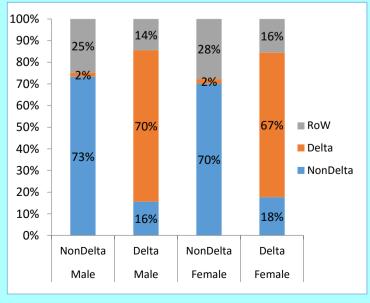


Figure 7. Employment by gender & sector of the Non-Delta and Delta by demanding region

4.0 Summary of findings

- Agriculture is a key sector in the Delta, dominating pastureland activities.
- □ The fishing sector is relatively much bigger in the Delta than in the rest of the country.
- □ The embodied work of women in the Delta is predominant in services and manufactures.
- □ The embodied work of men in the Delta is more pronounced in agriculture, energy, fishing and construction sectors.
- □ To date, CO2 emission in the Volta Delta is minimal

5.0 Conclusion

- ✤ According to these preliminary results,
- the Volta Delta is net importer of all the metrics (Tables 1&2).

6.0 Acknowledgments

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