

Computers for Cape Verde

GPS: Ignorance is NOT Bliss!

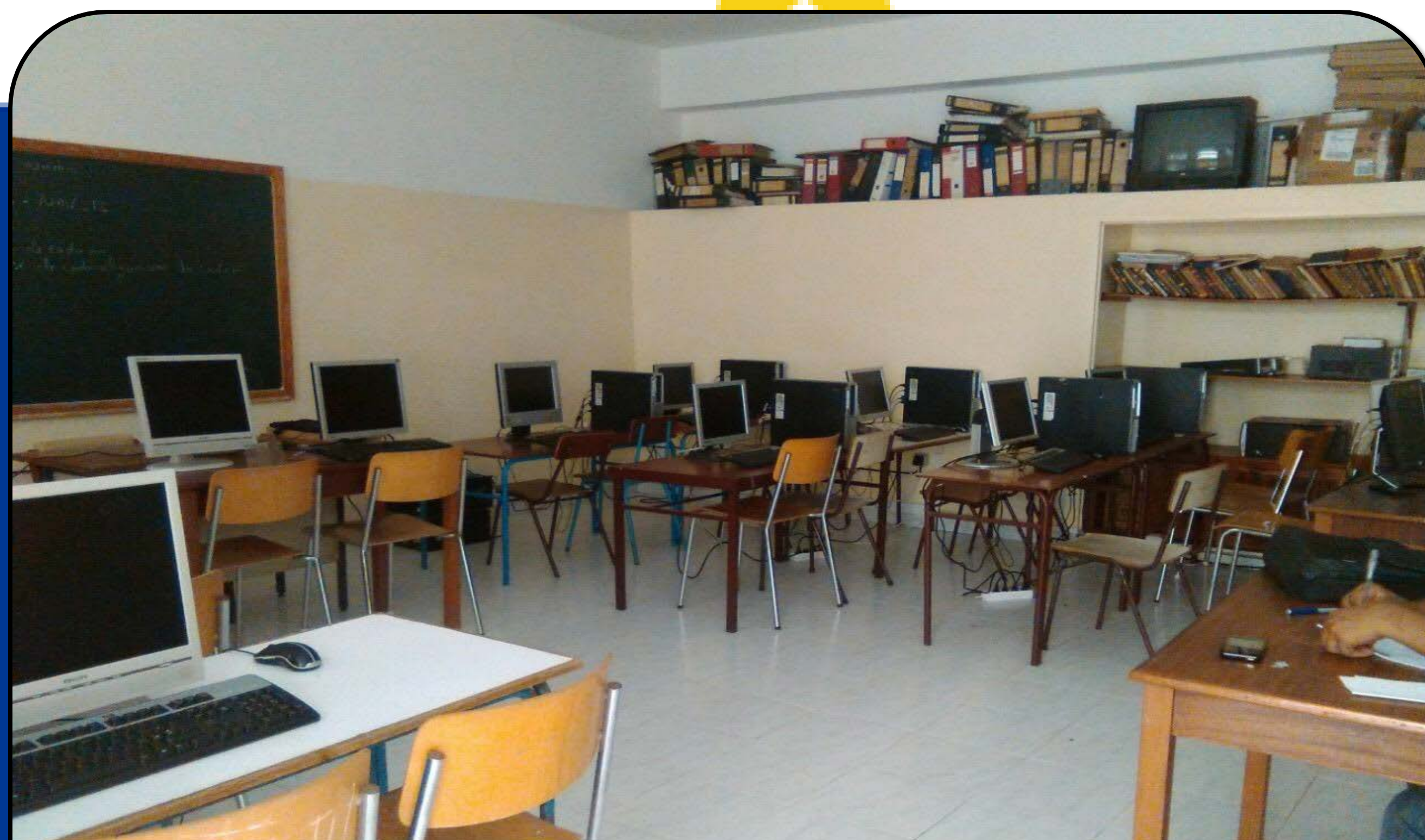
Students: Brian Amado, Bhon Bunnag, Manuel Gonsalves, Jacob Henry
 Advisors: Robert Traver (Prof), Paul Kirby (Prof), Carolyn Detora (PLA)

Abstract

Improving the quality and quantity of computers leads to increased computer literacy. This is a vital skill in Cape Verde's growing based economy. Schools in Cape Verde lack the funds to purchase these computers from retailers on their own. We focused on Escola Secundaria Suzete Delgado.

Background

- Cape Verde currently has a weak economy
- Receives little charity
- Difficult to ship to
- Currently 25:1 student-to-computer ratio
- Recommended 5:1 student-to-computer ratio



One of Suzete Delgado's two computer labs

Goal

- Alleviate computer shortages in Cape Verdean schools
- Do so in the most affordable way possible

Process

Gather information



Find and reformat computers



Negotiate shipment costs



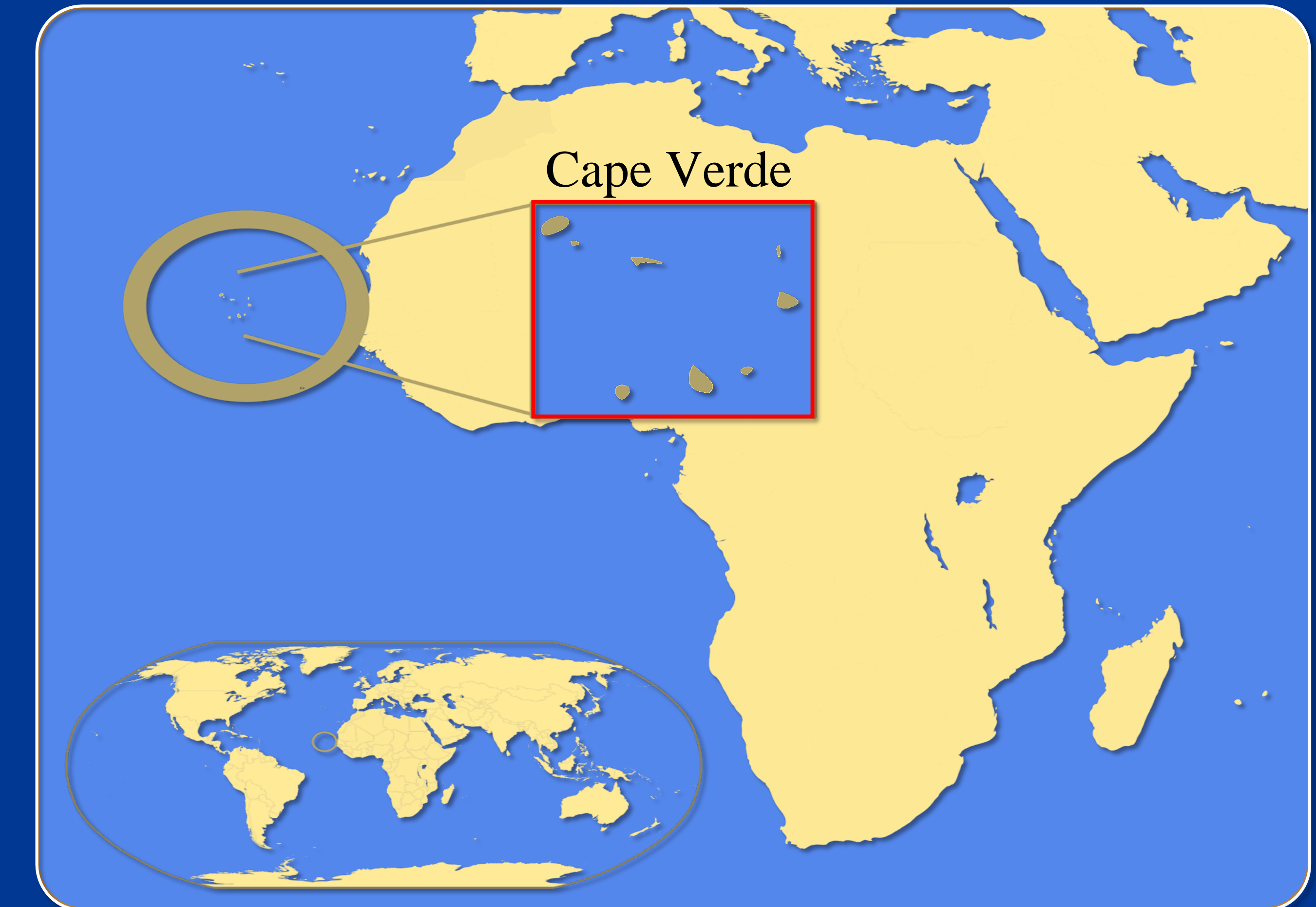
Raise funds for shipment



Ship pilot computer



Continued shipment as funds allow



Cost Analysis

- Express shipping pilot computer cost \$250
- 5:1 ratio would cost \$42,500 in shipping
- Freight shipping 10 computers costs \$1,300
- 5:1 ratio here would be \$22,100
- Purchasing from vendor cost \$337
- 5:1 ratio would cost at least \$57,290
- Costs reduced by at least 25% per unit

References

- Agyeman, O. (2007). Survey of ICT and Education in Africa: Cape Verde Country Report. ICT in Education in Cape Verde.
- Atchoarena, D. (2008, April 24). Strategies for post-primary education in small island developing states (SIDS): Lessons from Cape Verde.
- Baker, B.. (2009). Cape Verde: Marketing Good Governance. Africa Spectrum, 44, 135-147.
- Batista, C. (2011). Testing the 'Brain Gain' Hypothesis: Micro Evidence from Cape Verde. Retrieved October 29, 2015.
- Canuto, L., Ramos, F., & Tajú, G. (2011). Promoting distance education in higher education in Cape Verde and Mozambique. Distance Education, 32(2), 159-175.