

Energy Services

tralac Trade in Services Data Report

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Introduction

This data report contains a rich selection of visualised data on the extent of trade in energy services within Africa and between Africa and the rest of the world. The narrative is restricted to captions to the figures and to citation of data sources. This report is intended to provide an understanding of this sector for non-quantitative specialists and others interested in the state of trade-in-services in Africa. It is one of a set of 8 reports, including six other sectoral reports and a framework report providing data definitions and classifications as well as detailed data sources. The framework report also provides ‘bigger picture’ of African services trade data with consolidated services trade data presented for the same categories (where possible) as the data reports. Note also that there are some minor data classification disparities between the three main segments of the report, further details are provided below.

Outline

This report contains the following sections:

1. Services trade data – both multilateral and bilateral services trade data for Africa for the nominated sector, by country and REC. Services trade *Mode 1* and *Mode 2* are covered by this data. Note that for the bilateral trade flow figures, a non-connected country node indicates that trade levels for this country fall below the threshold, not that they are zero. For this segment, the data classification covers electricity, gas and steam (codes GDT and ELY).
2. Foreign Affiliates Statistics (FATS) – an indication of *Mode 3* services trade in data proxying economic activity by foreign-affiliated companies in Africa within the sector. The figures use *employment* numbers in foreign affiliates in the designated sector since it is the most widely-available variable indicating economic activity. This data classification covers electricity, gas, steam, hot water as well as collection, purification and distribution of water.
3. Export value-added of services – mapping of the value added of services inputs into primary and secondary sector exports. This helps visualise the true extent of the trade in services in Africa as it exposes the services content of primary and secondary trade. The data classification covers electricity, coal, petroleum and natural gas extraction, manufacture and distribution of gas fuels.

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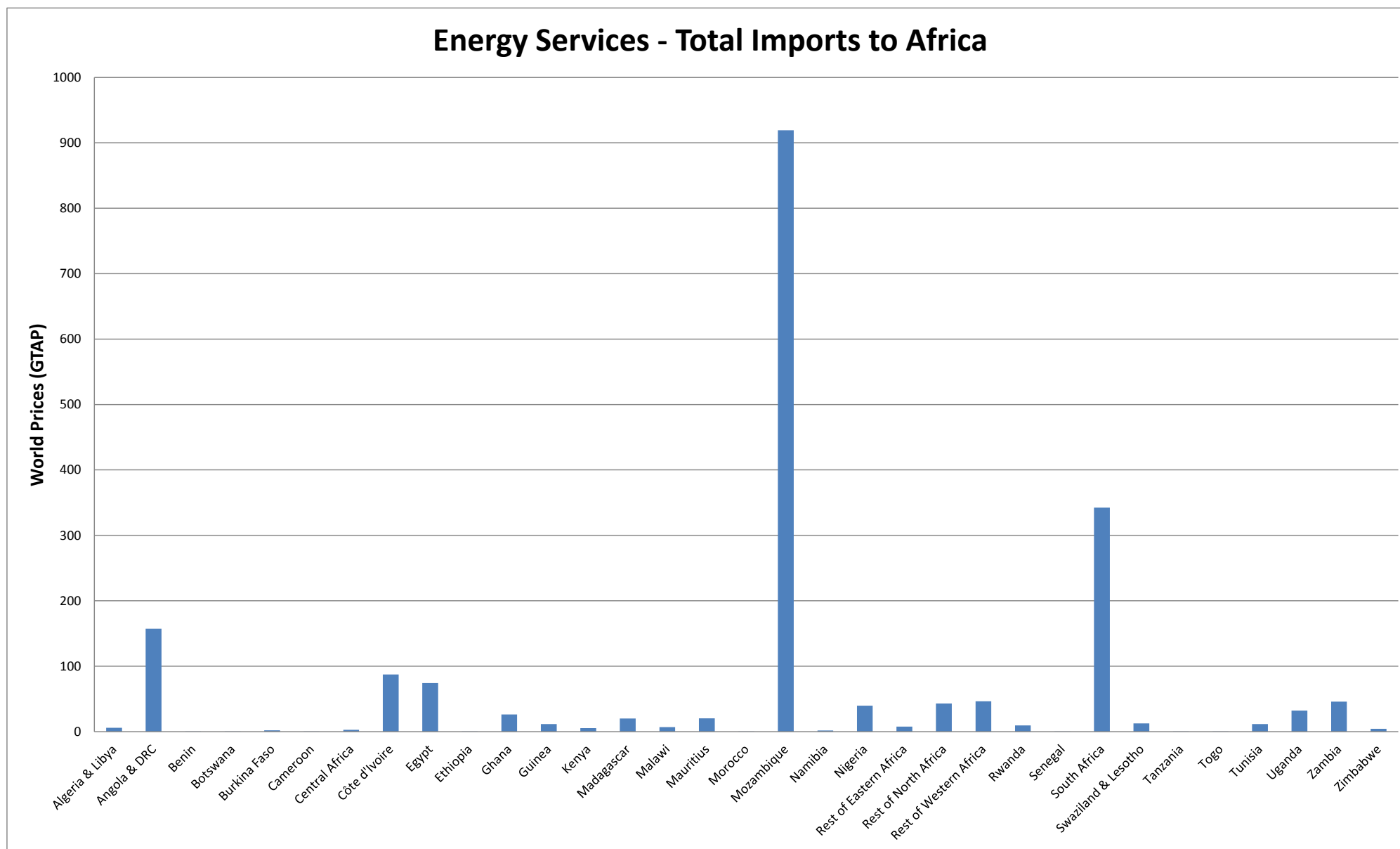


Figure 1: Total Energy Services: Imports to Africa (Source: GTAP; Year: 2007; Basis: ISIC rev3)

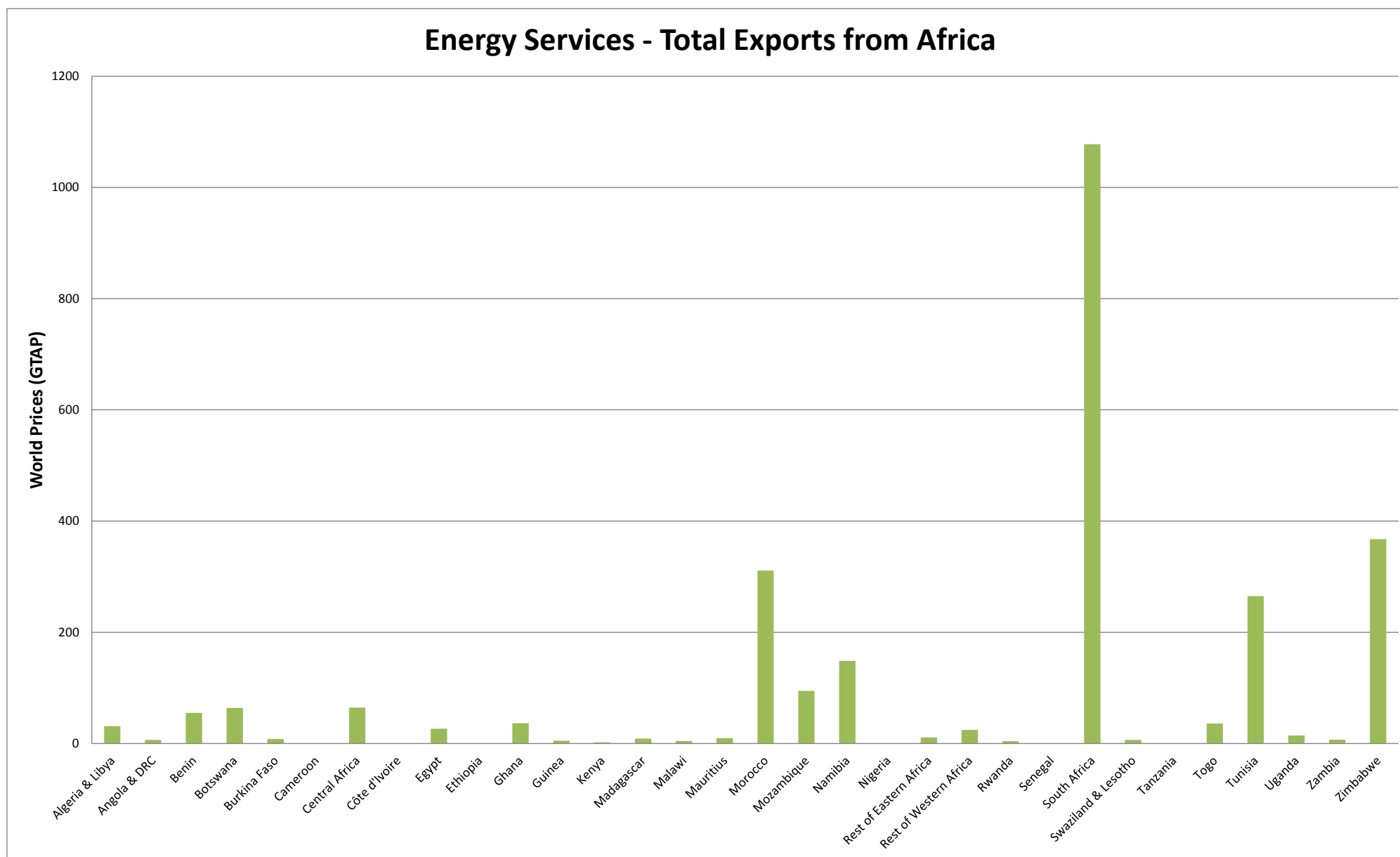


Figure 2: Total Energy Services: Exports from Africa (Source: GTAP; Year: 2007; Basis: ISIC rev3)

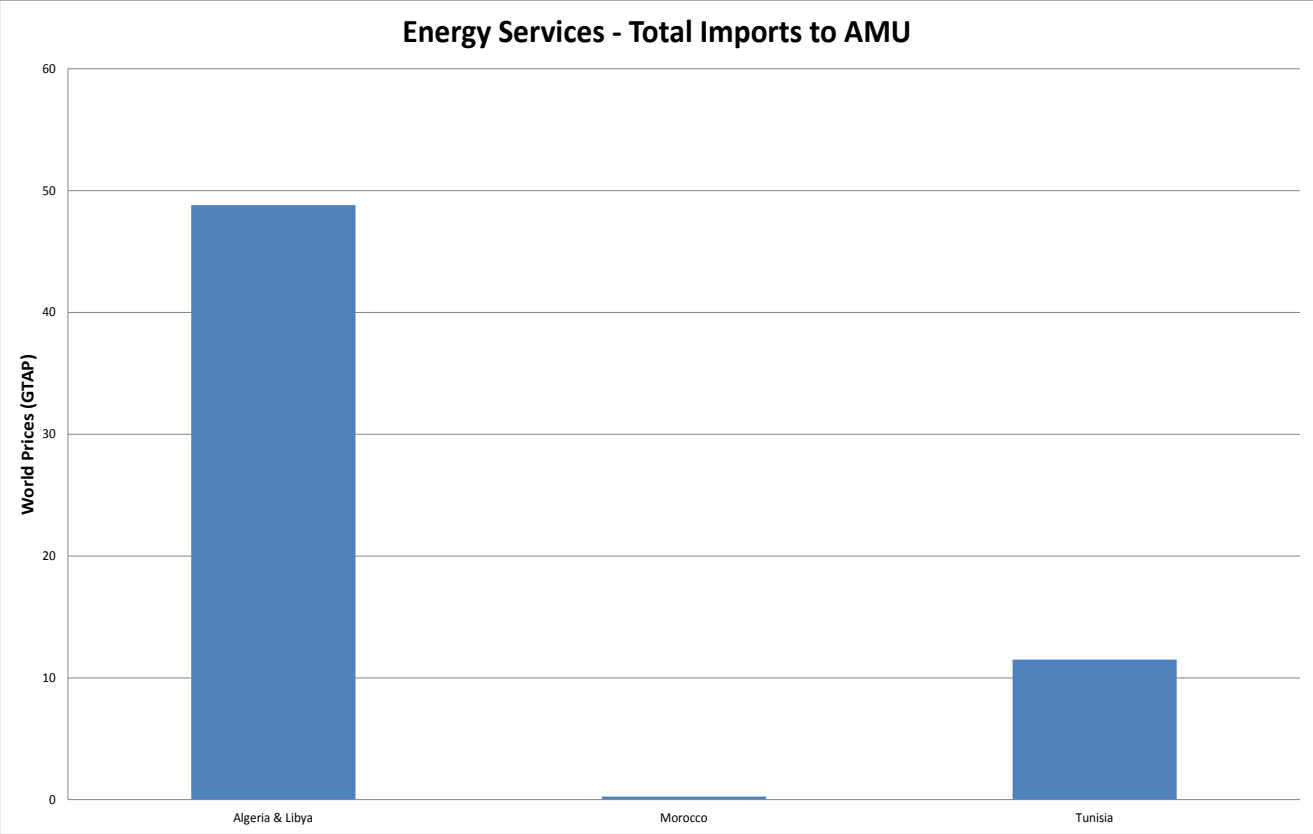


Figure 3: Total Energy Services Imports to the AMU (Source: GTAP; Year: 2007; Basis: ISIC rev3)

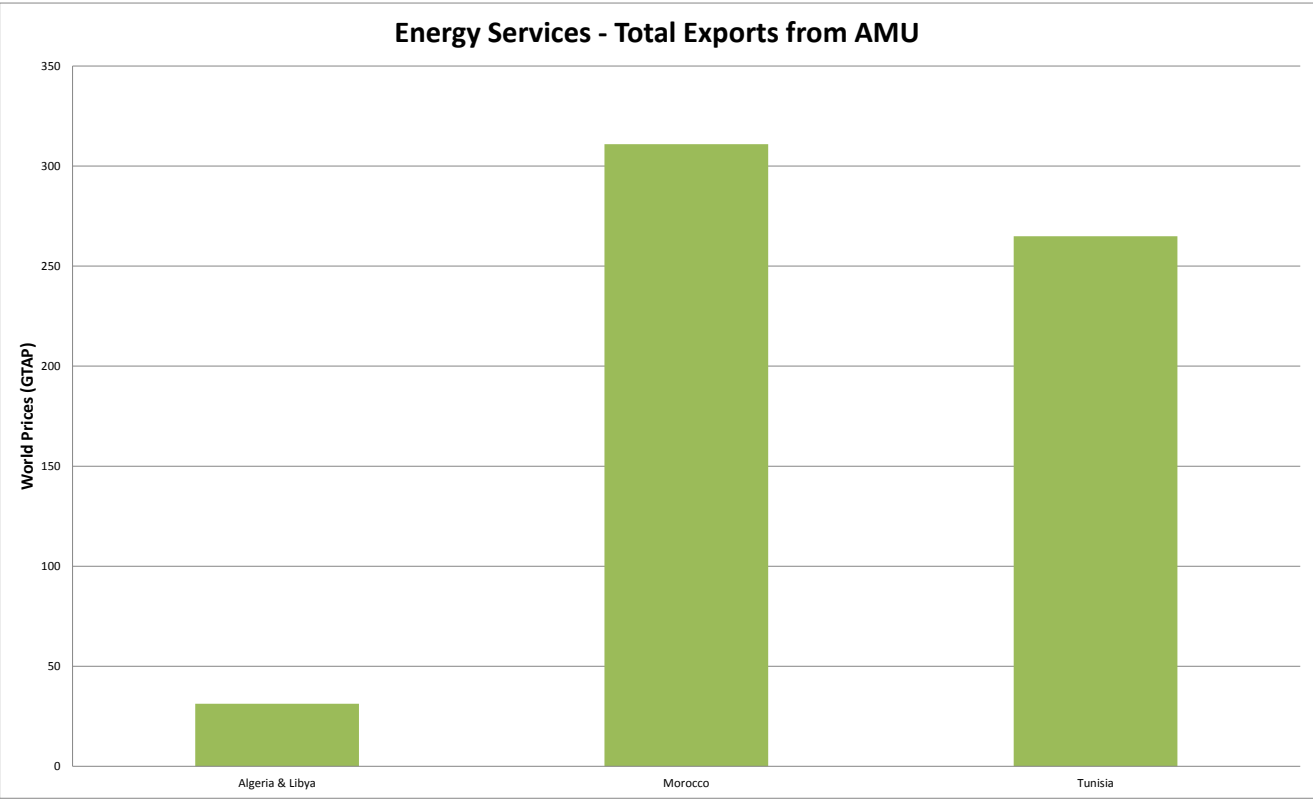


Figure 4: Total Energy Services Exports from the AMU (Source: GTAP; Year: 2007; Basis: ISIC rev3)

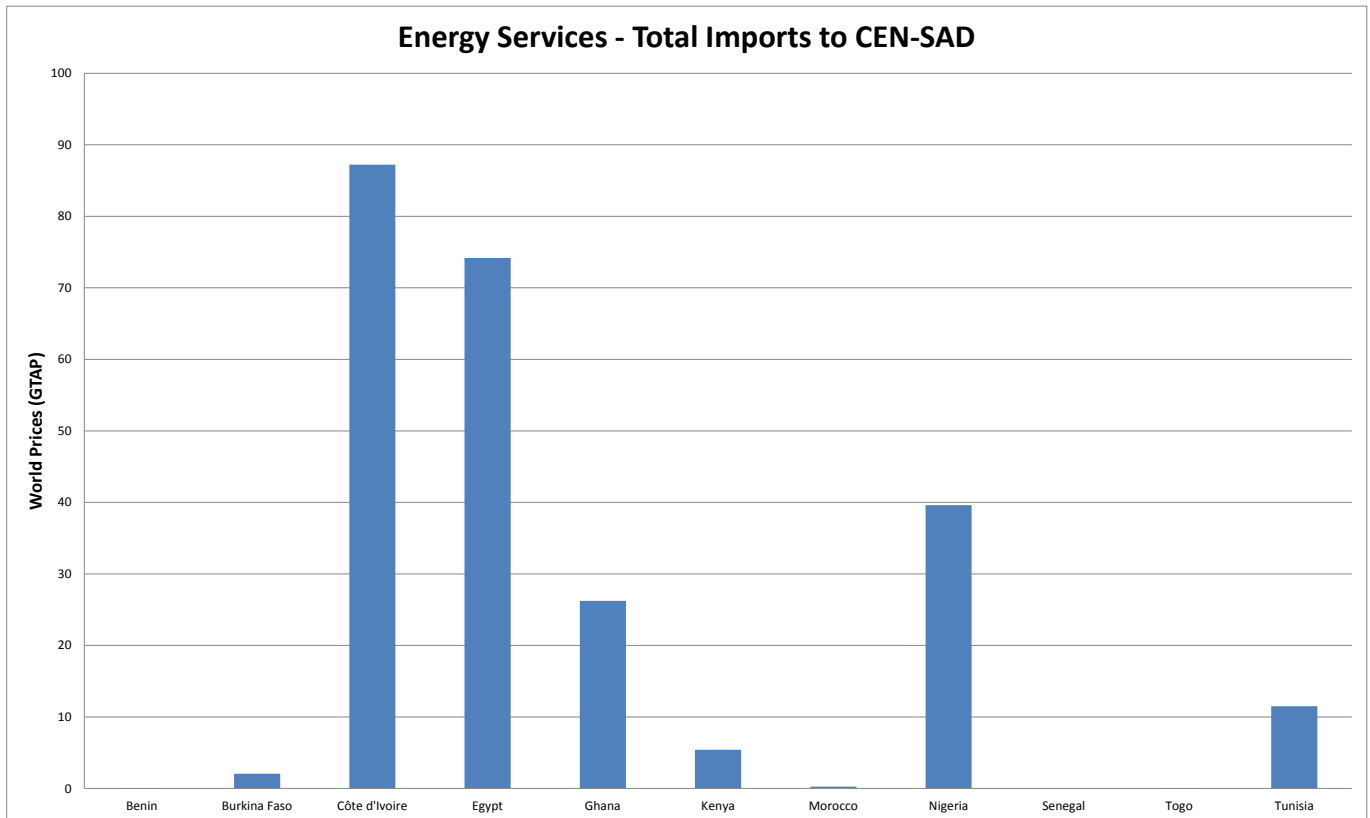


Figure 5: Total Energy Services Imports to CEN-SAD (Source: GTAP; Year: 2007; Basis: ISIC rev3)

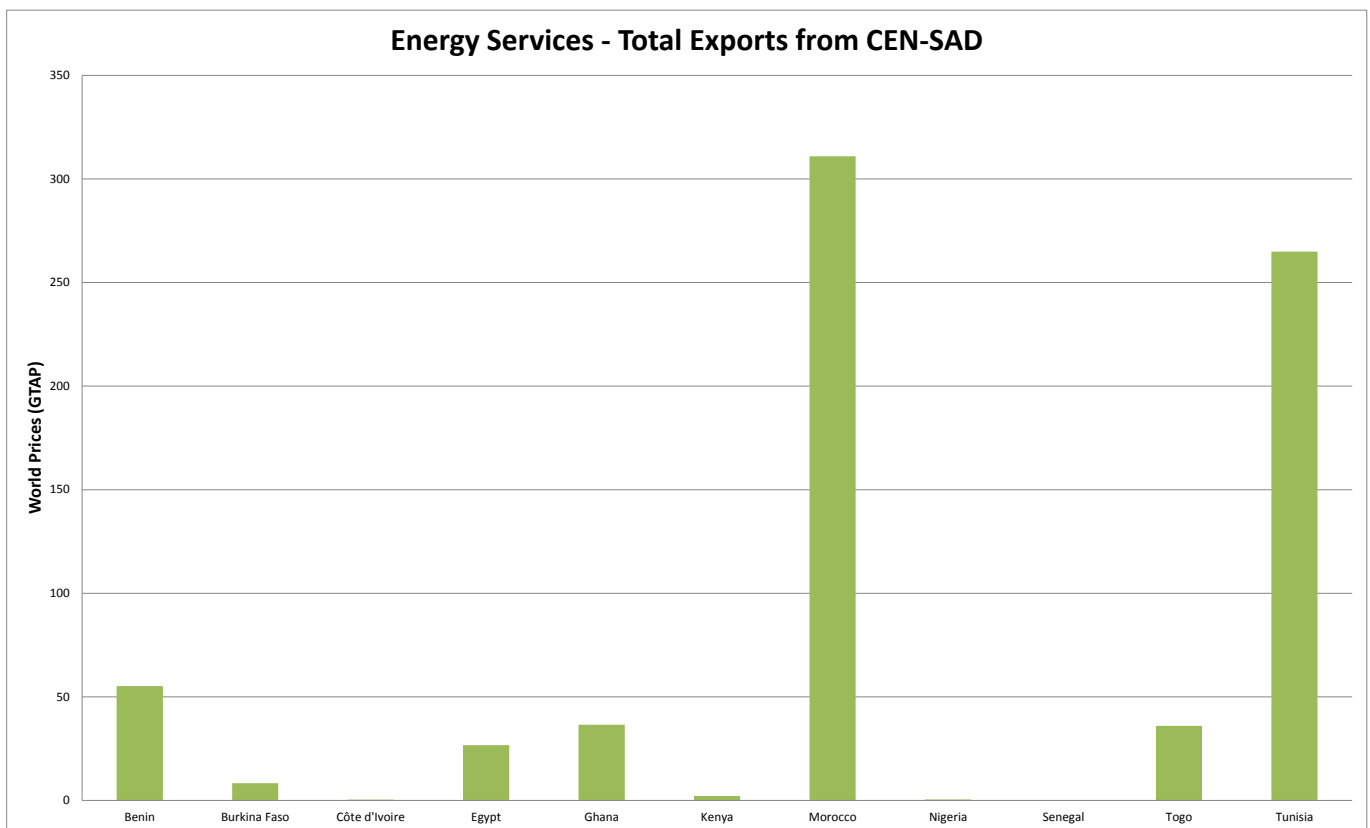


Figure 6: Total Energy Services Exports from CEN-SAD (Source: GTAP; Year: 2007; Basis: ISIC rev3)

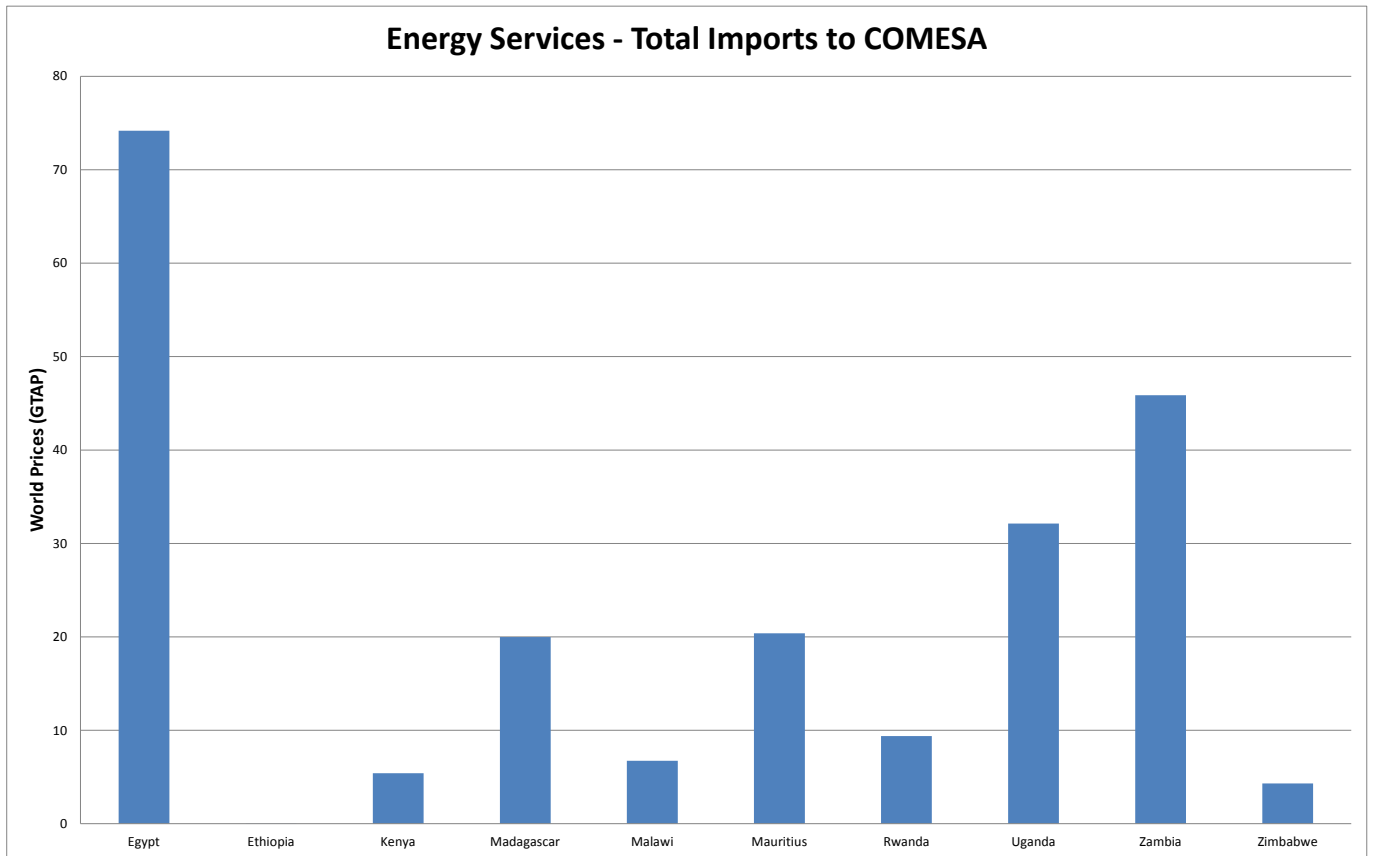


Figure 7: Total Energy Services Imports to COMESA (Source: GTAP; Year: 2007; Basis: ISIC rev3)

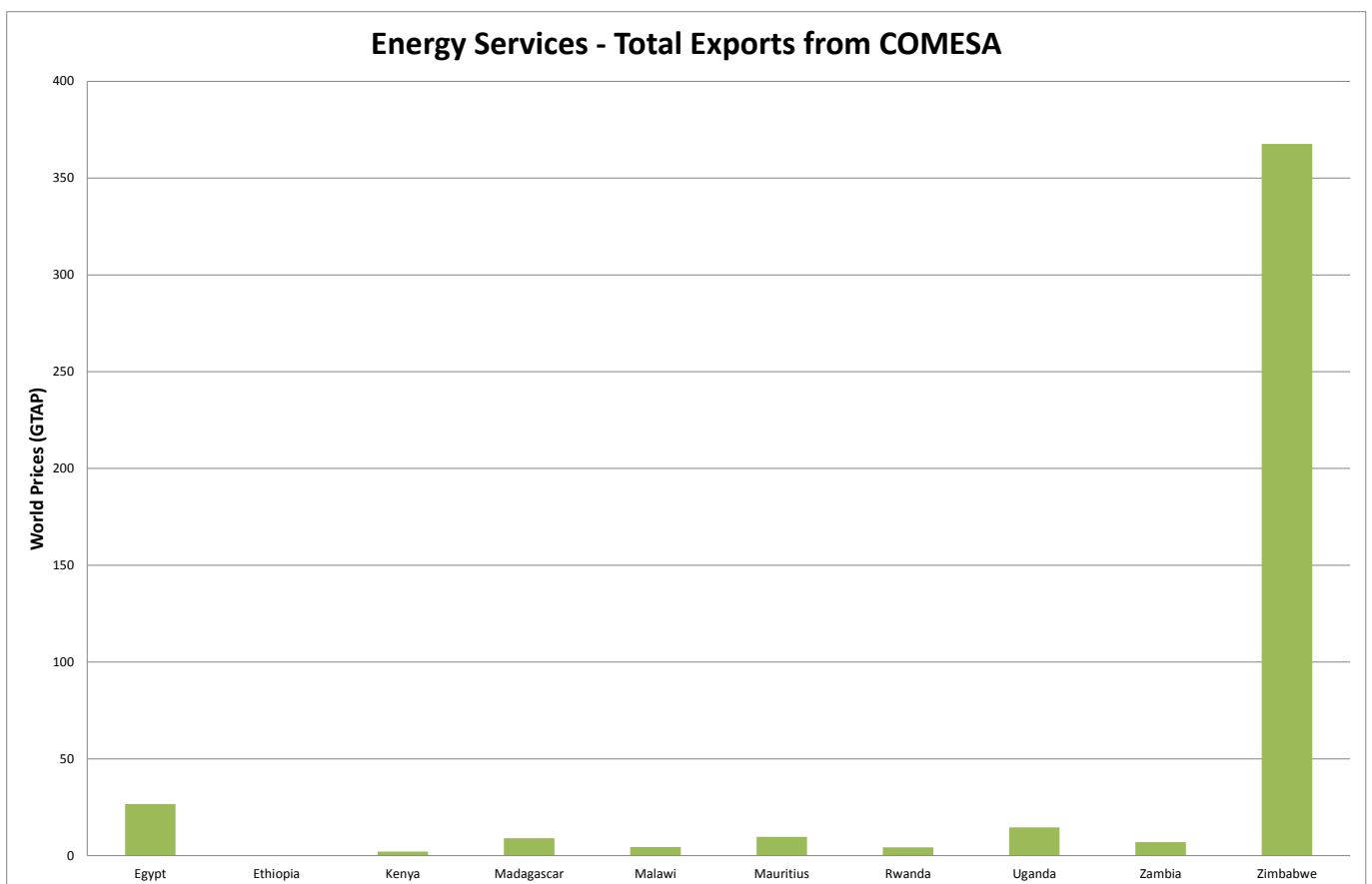


Figure 8: Total Energy Services Exports from COMESA (Source: GTAP; Year: 2007; Basis: ISIC rev3)

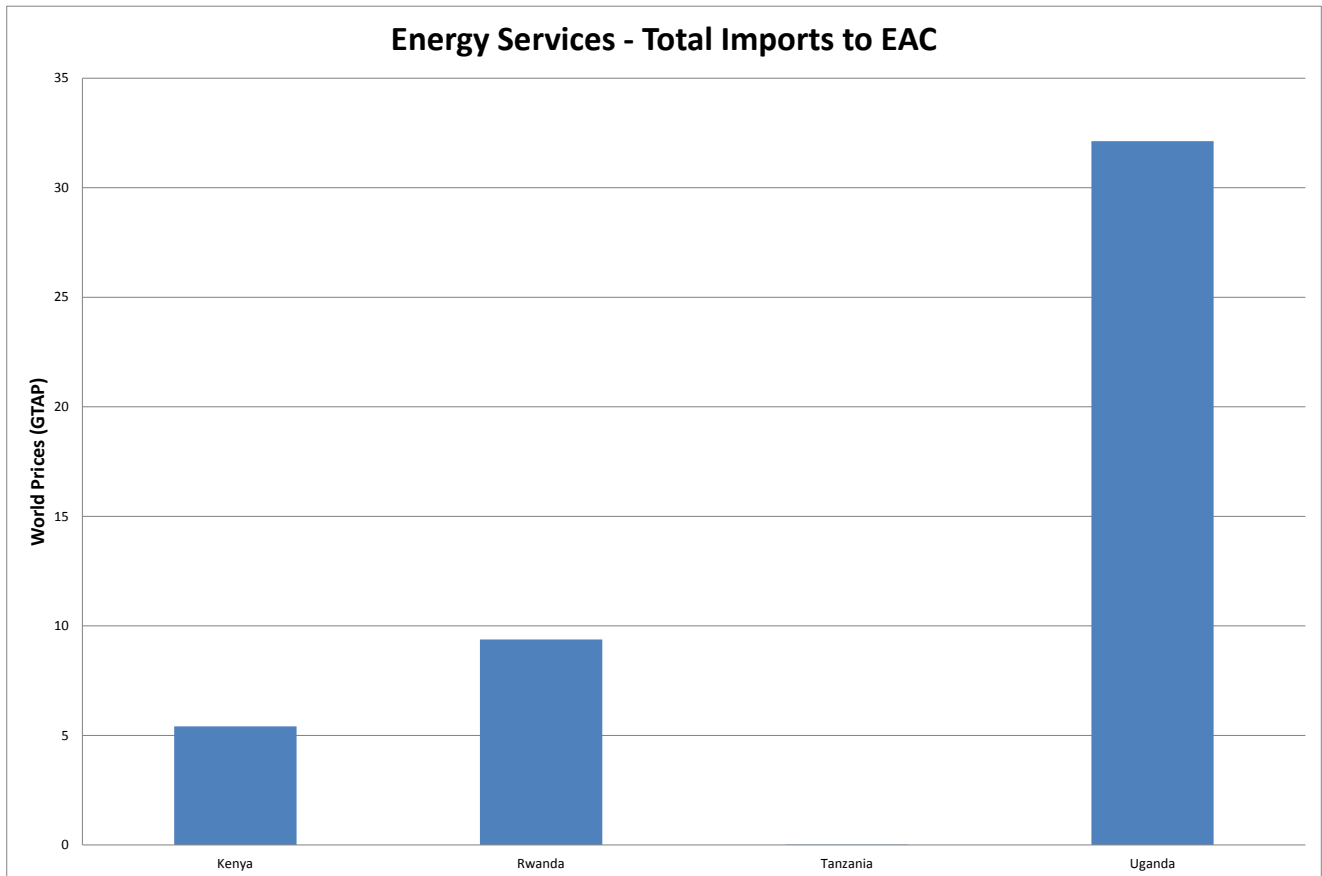


Figure 8: Total Energy Services Imports to EAC (Source: GTAP; Year: 2007; Basis: ISIC rev3)

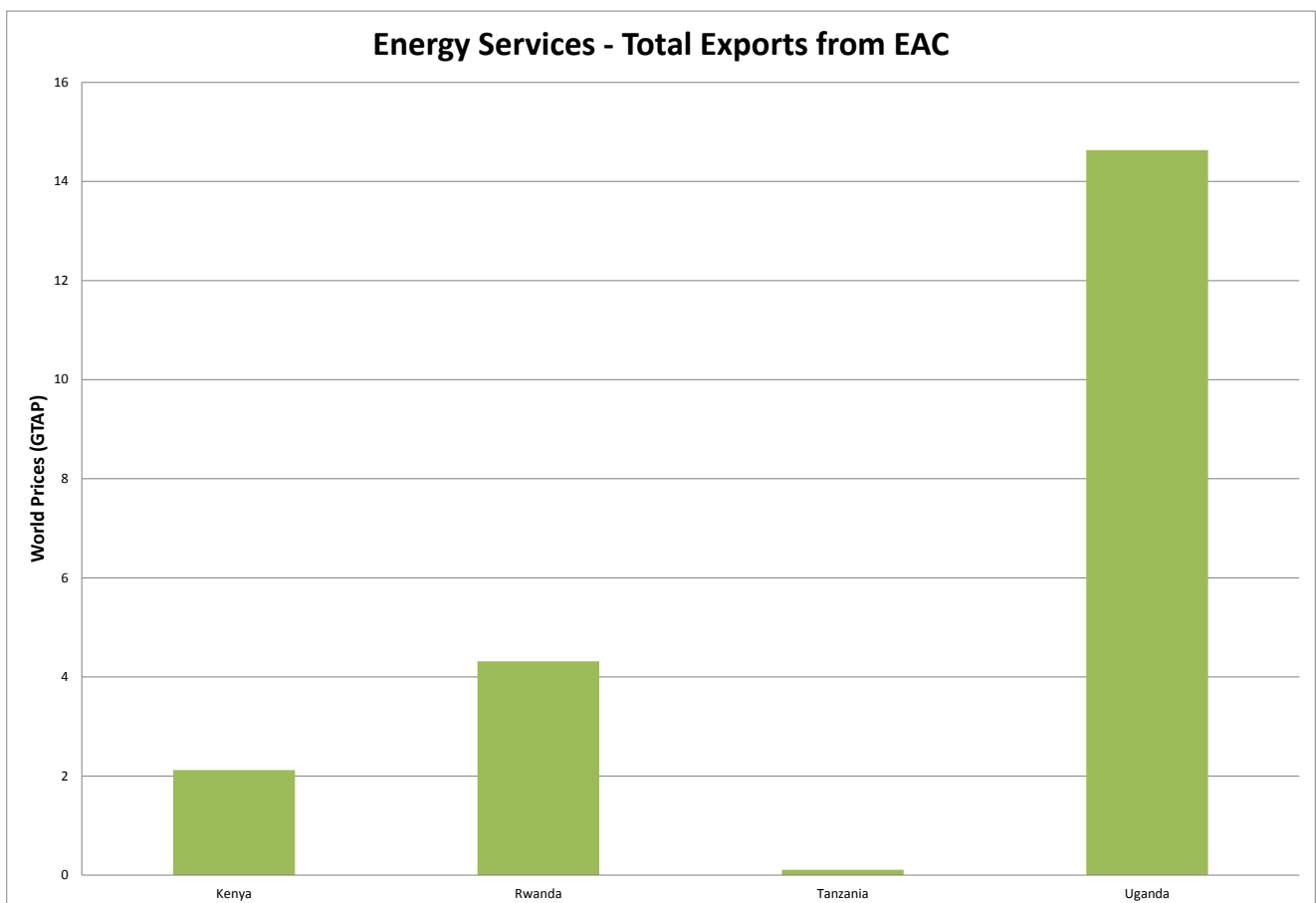


Figure 9: Total Energy Services Exports from EAC (Source: GTAP; Year: 2007; Basis: ISIC rev3)

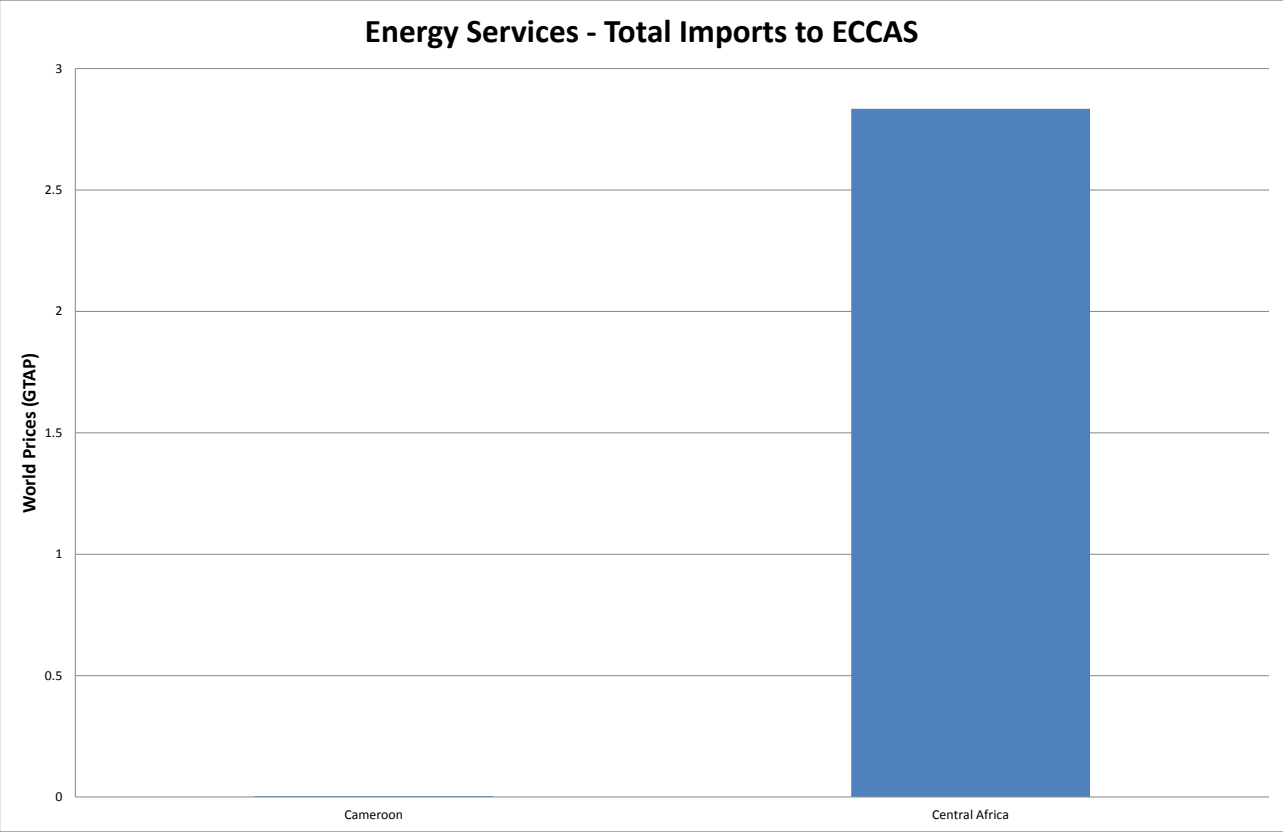


Figure 10: Total Energy Services Imports to ECCAS (Source: GTAP; Year: 2007; Basis: ISIC rev3)

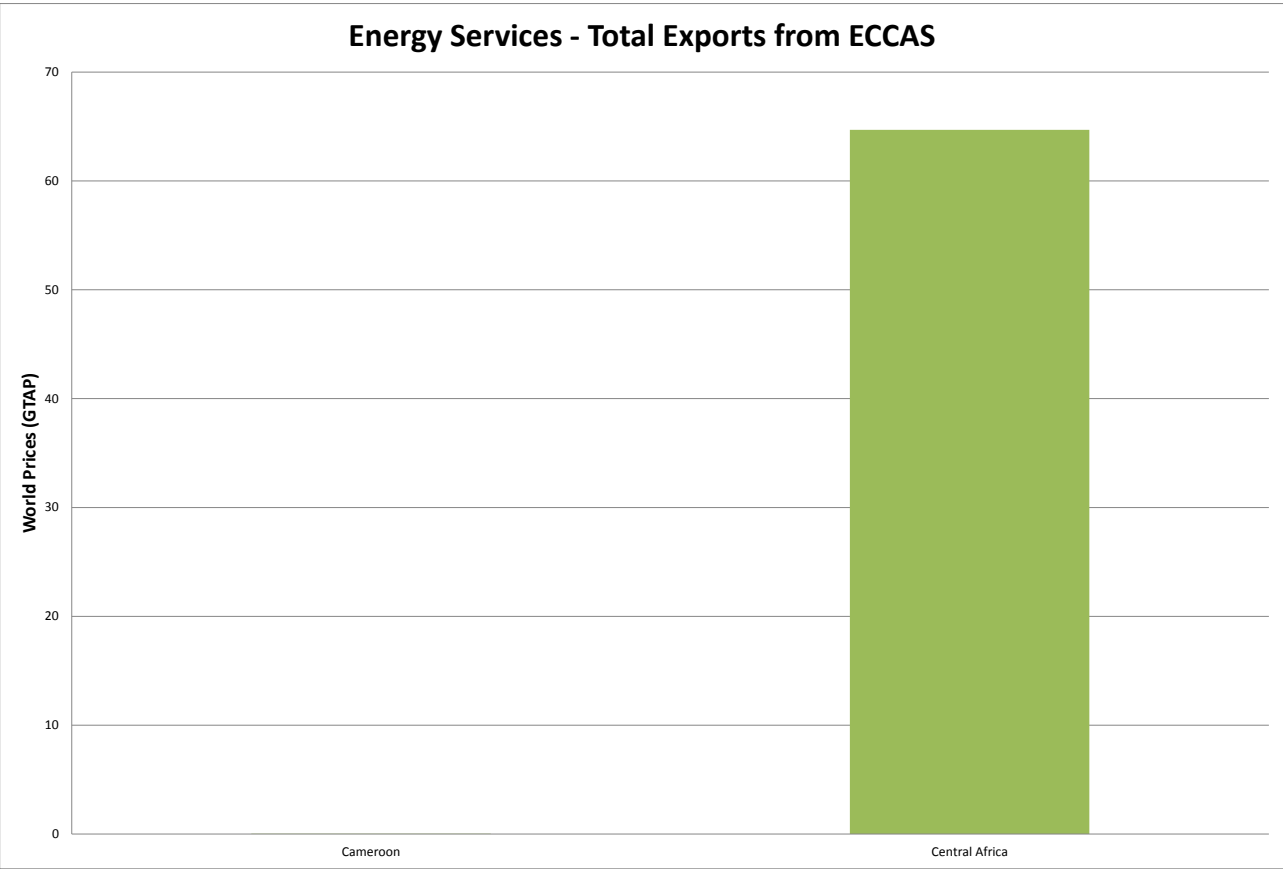


Figure 11: Total Energy Services Exports from ECCAS (Source: GTAP; Year: 2007; Basis: ISIC rev3)

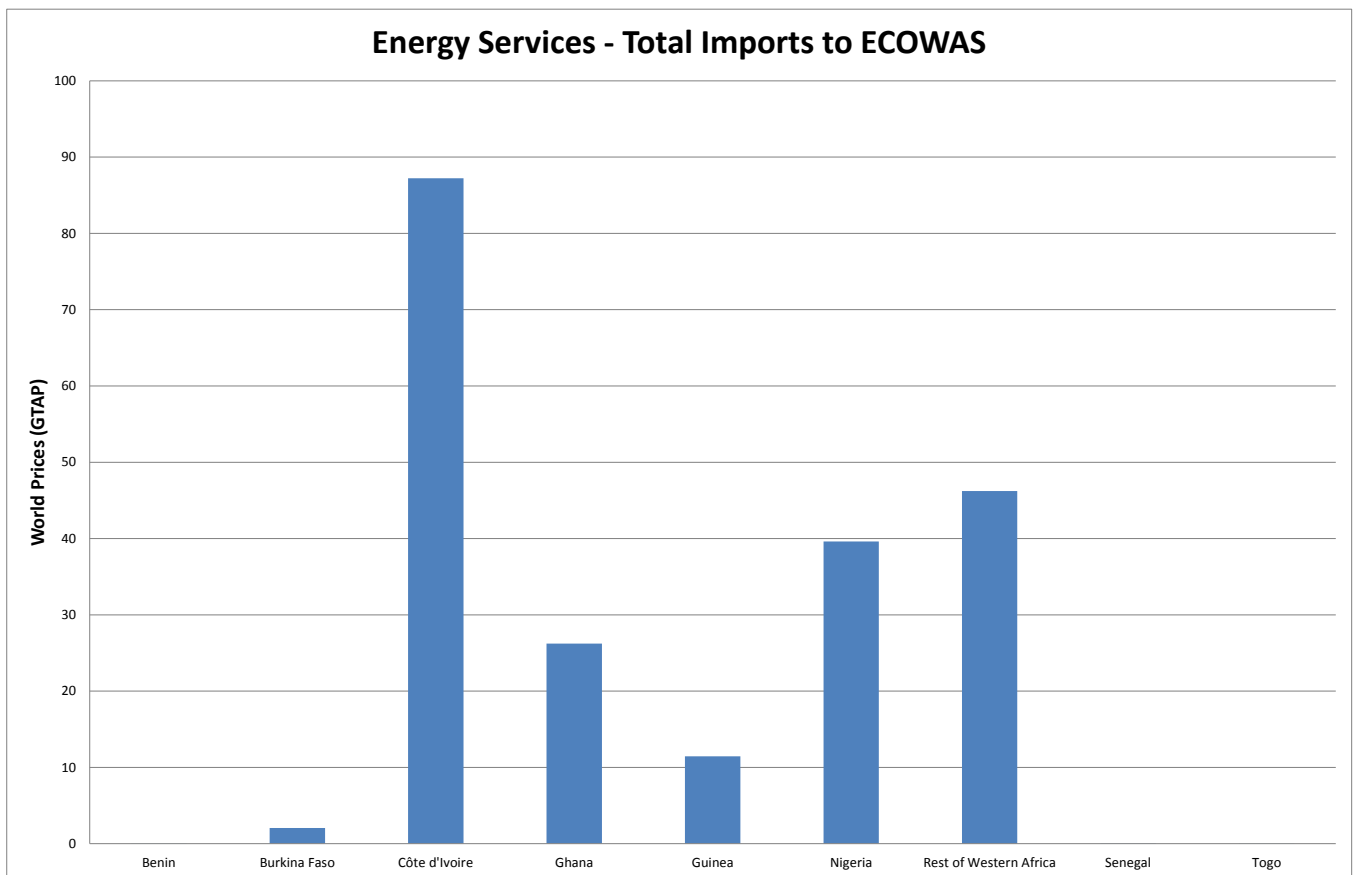


Figure 12: Total Energy Services Imports to ECOWAS (Source: GTAP; Year: 2007; Basis: ISIC rev3)

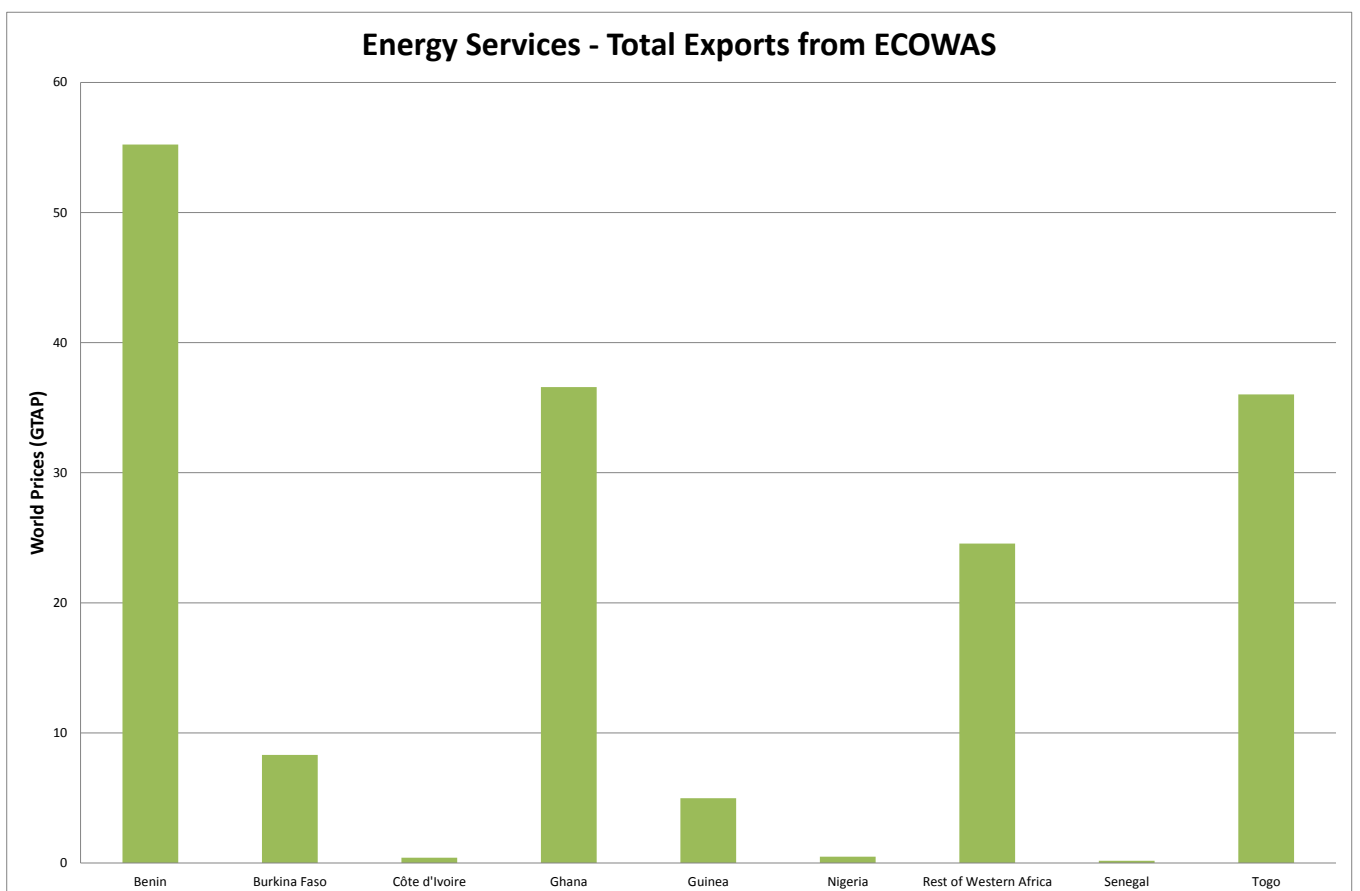


Figure 13: Total Energy Services Exports from ECOWAS (Source: GTAP; Year: 2007; Basis: ISIC rev3)

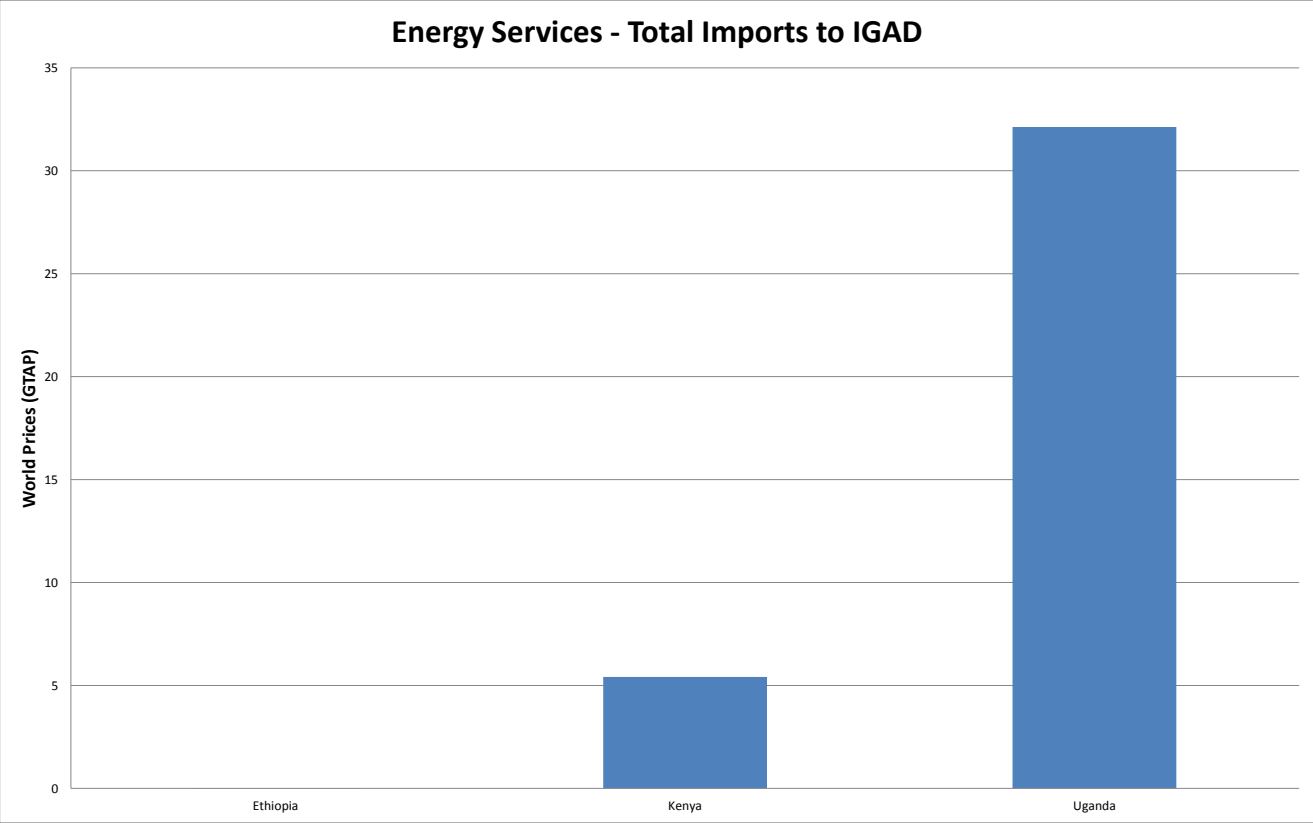


Figure 14: Total Energy Services Imports to IGAD (Source: GTAP; Year: 2007; Basis: ISIC rev3)

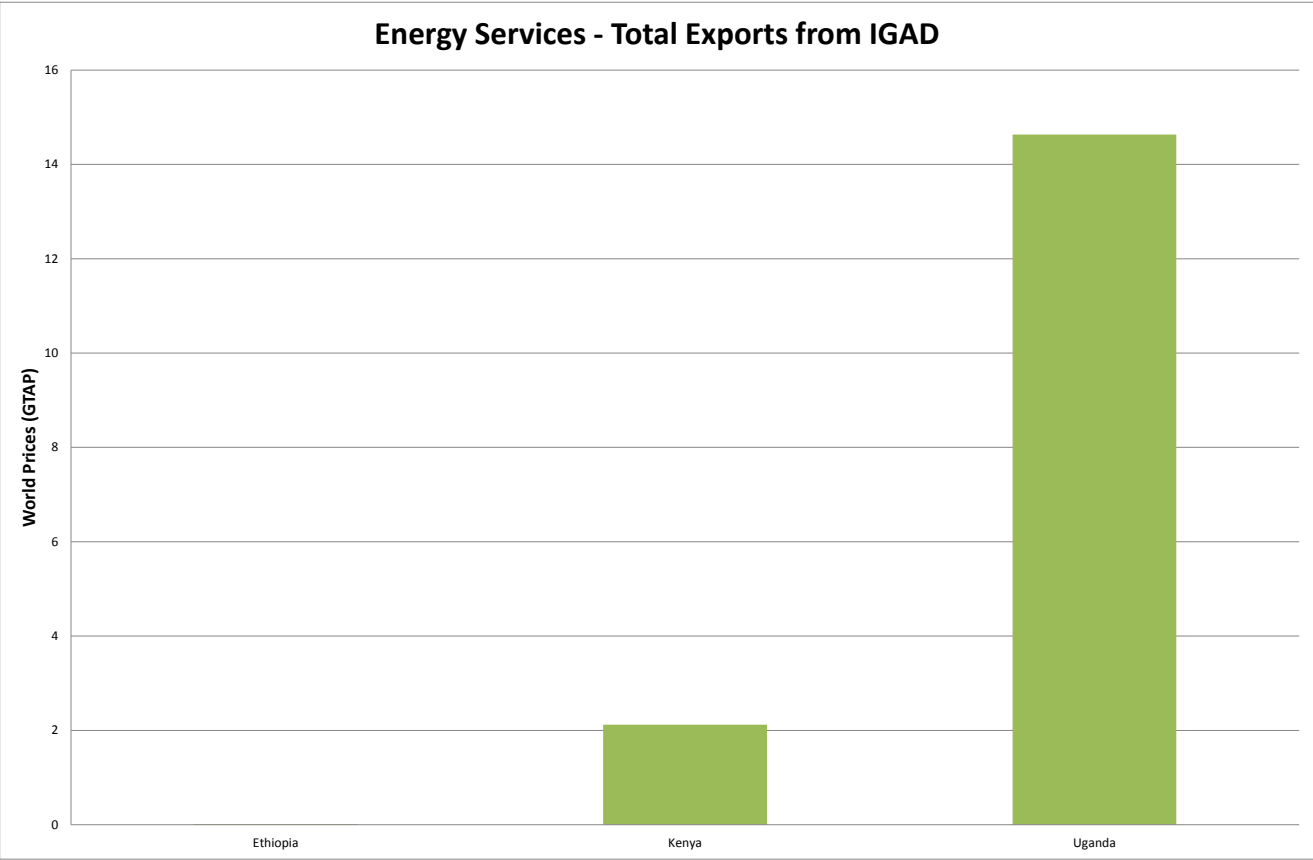


Figure 15: Total Energy Services Exports from IGAD (Source: GTAP; Year: 2007; Basis: ISIC rev3)

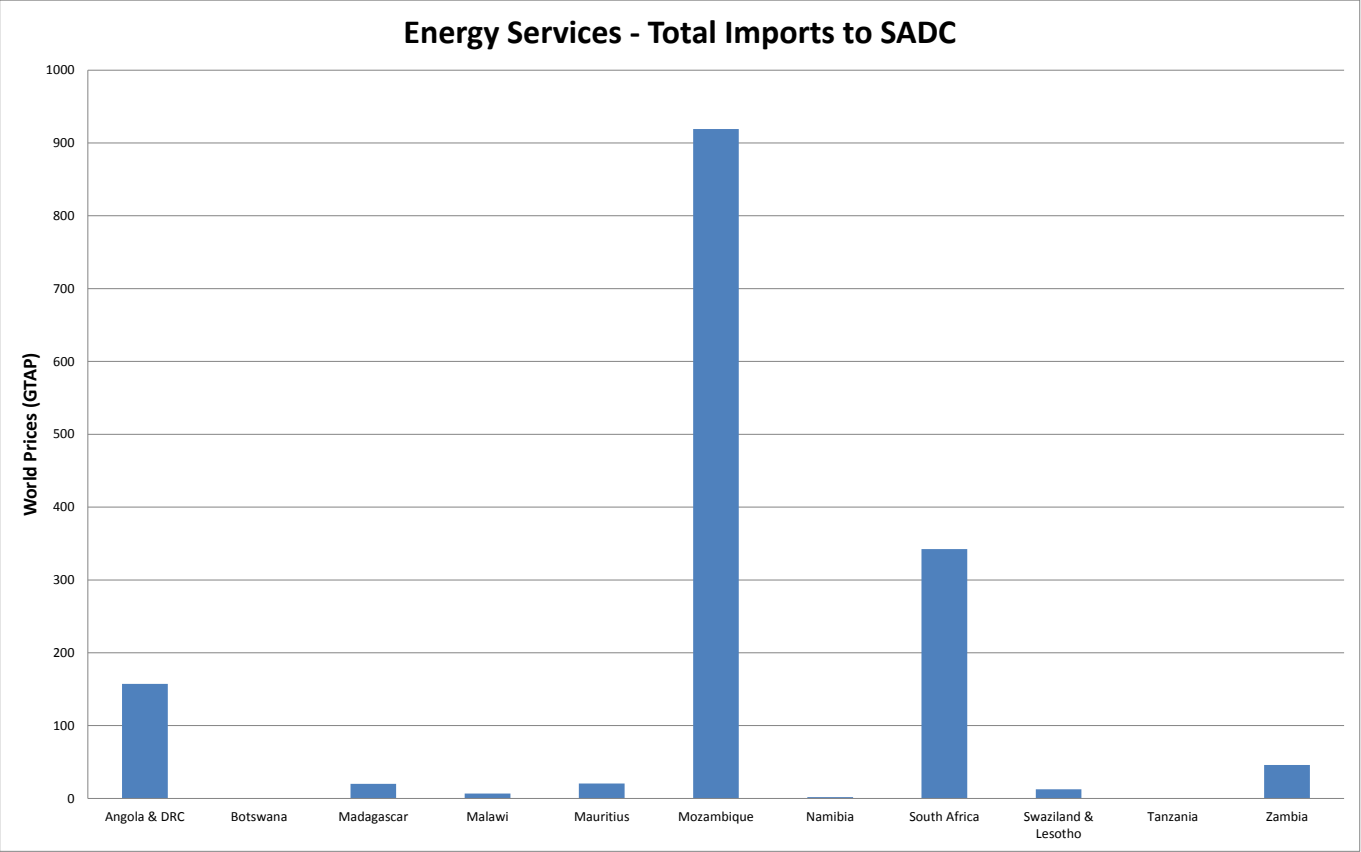


Figure 16: Total Energy Services Imports to SADC (Source: GTAP; Year: 2007; Basis: ISIC rev3)

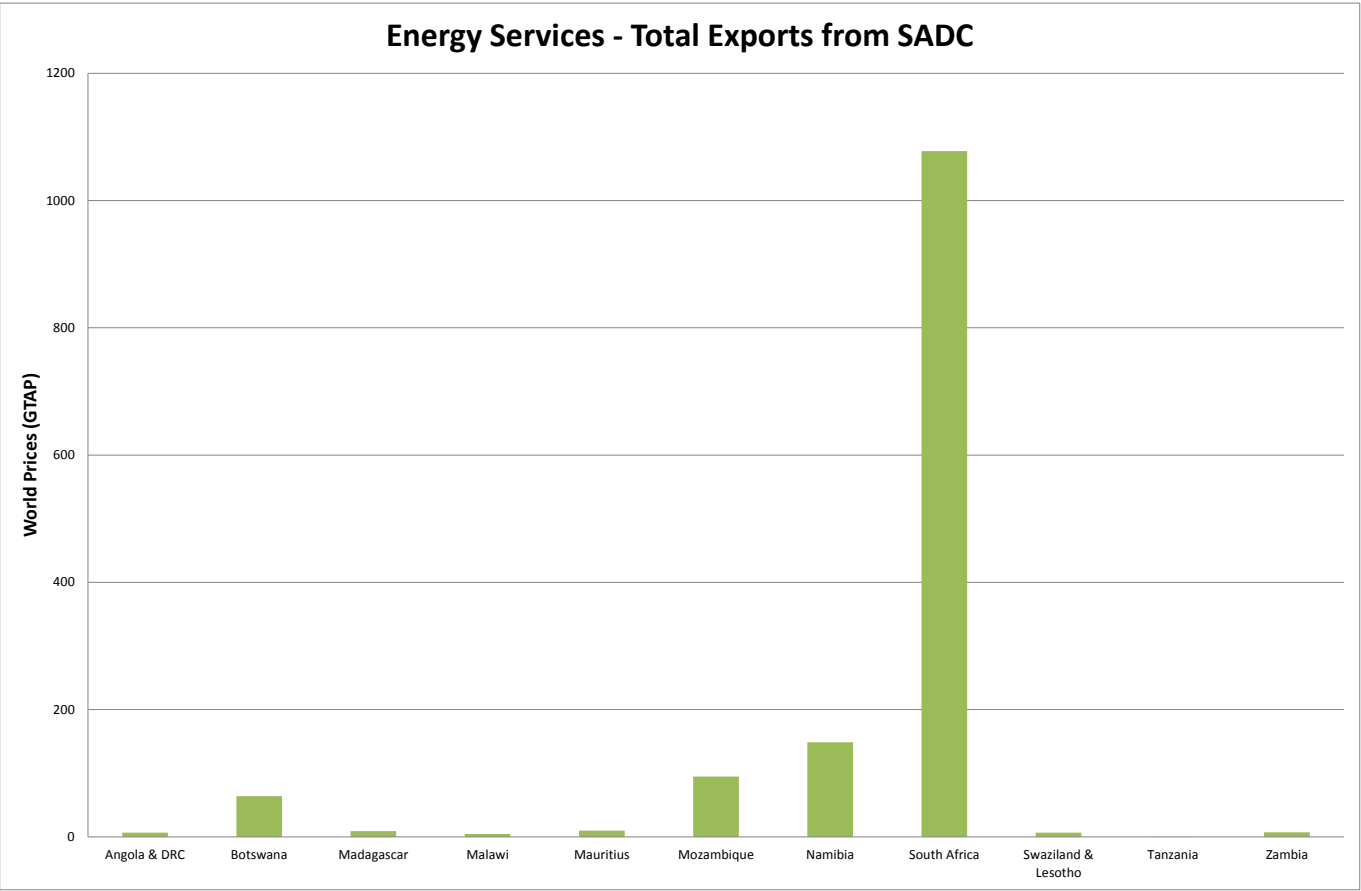


Figure 17: Total Energy Services Exports from SADC (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Energy Services – Intra RECs and ROW Trade

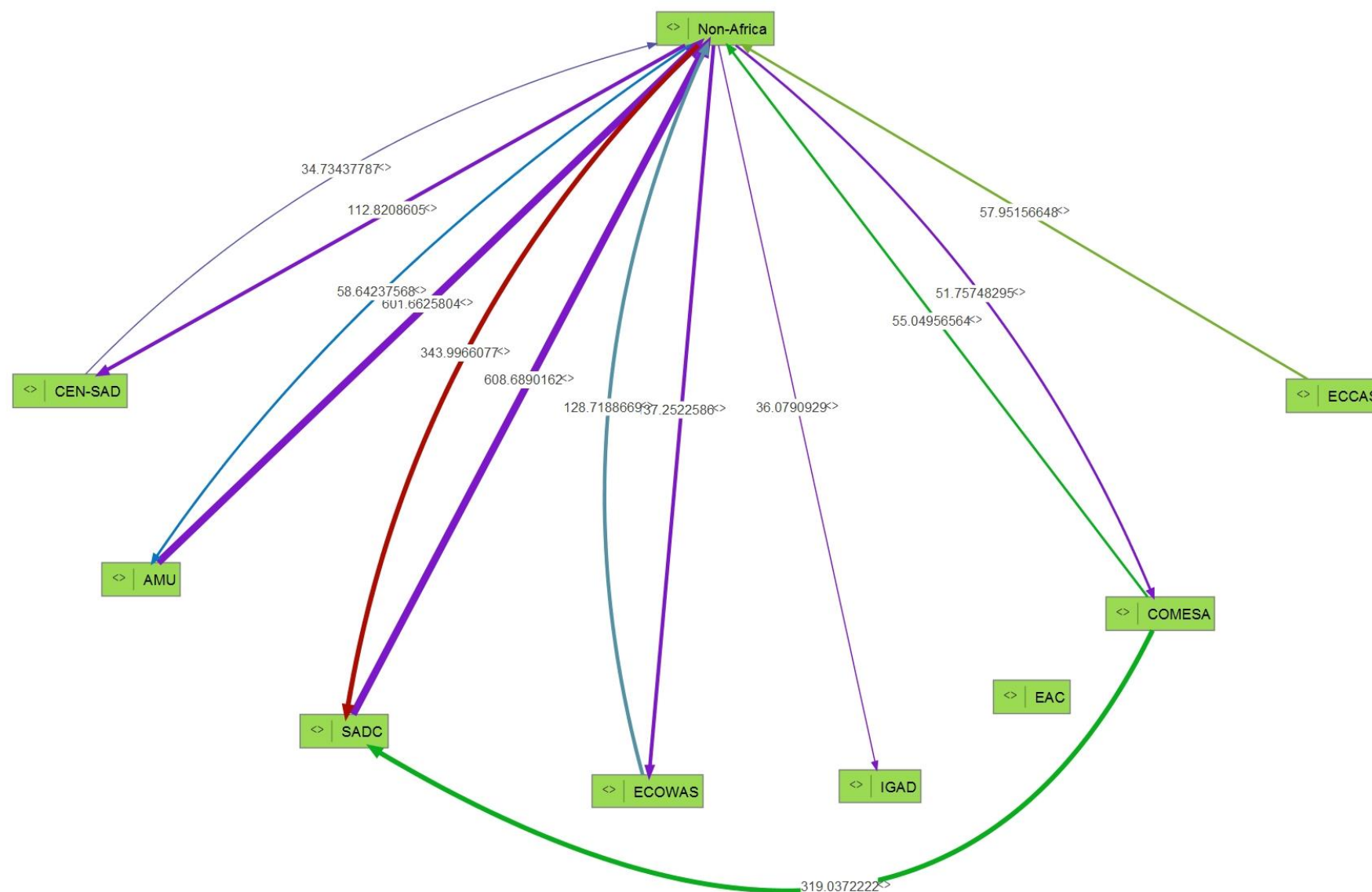


Figure 18: Intra RECs and ROW Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Intra-African Energy Services Trade – Main Players

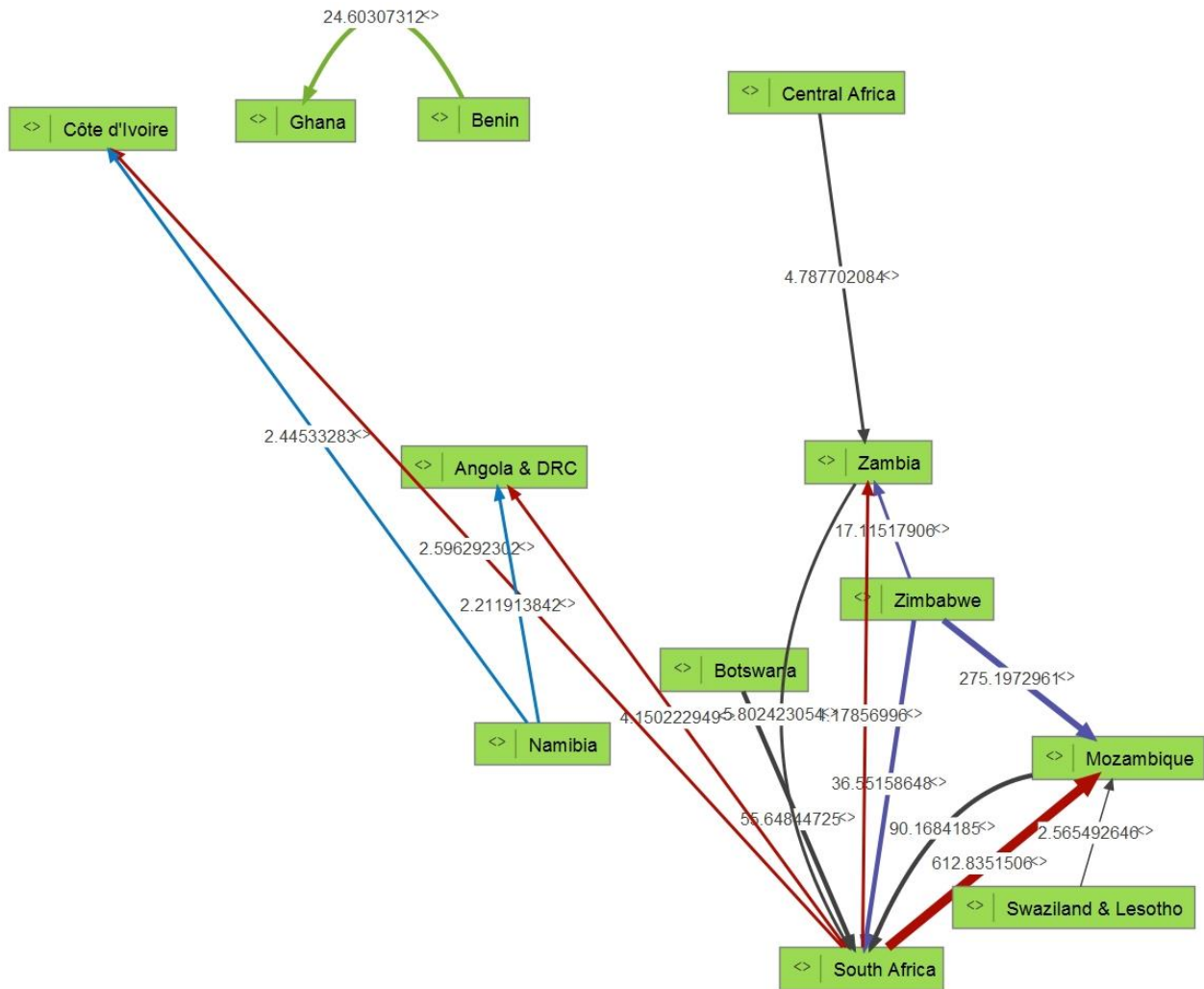


Figure 19: Africa Main Players – Intra-African Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Energy Services – Intra AMU Trade

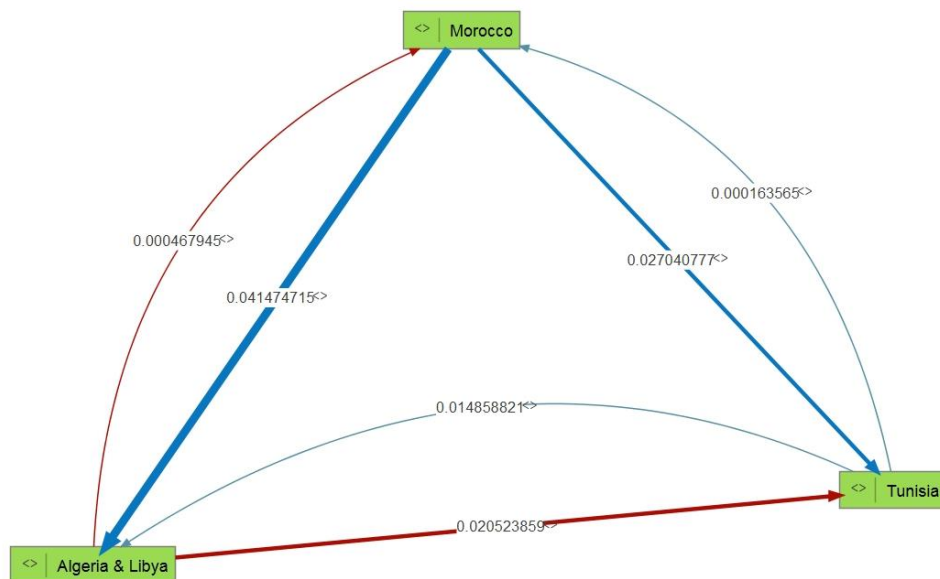


Figure 20: Intra AMU Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Note that for the bilateral trade flow figures, a non-connected country node indicates that trade levels for this country fall below the threshold, not that they are zero. This applies to the following figure and the rest of the intra-African trade figures on the following pages.

Energy Services – Intra CEN-SAD Trade

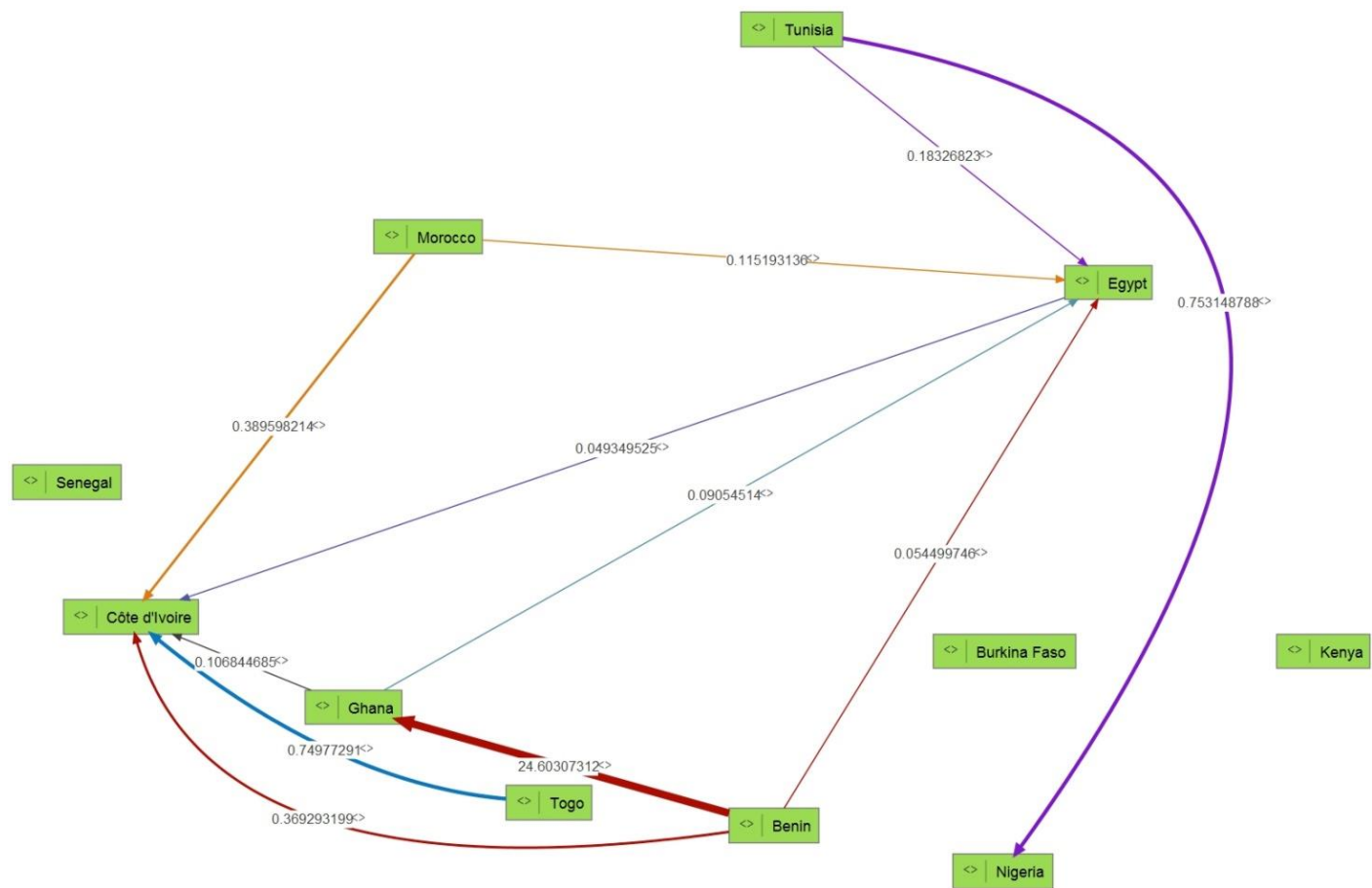


Figure 21: Intra CEN-SAD Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Energy Services – Intra COMESA Trade

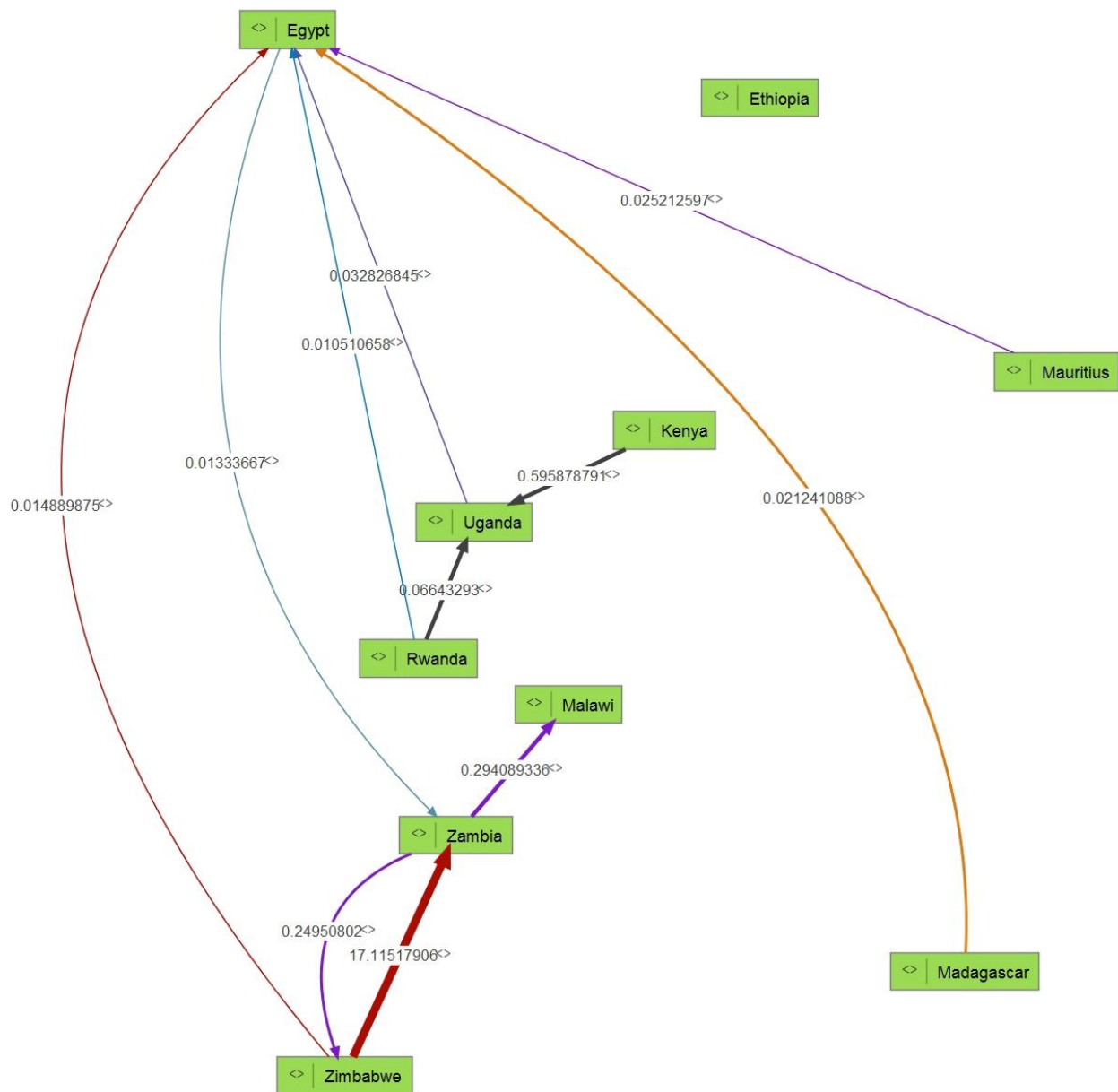


Figure 22: Intra COMESA Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Energy Services – Intra EAC Trade

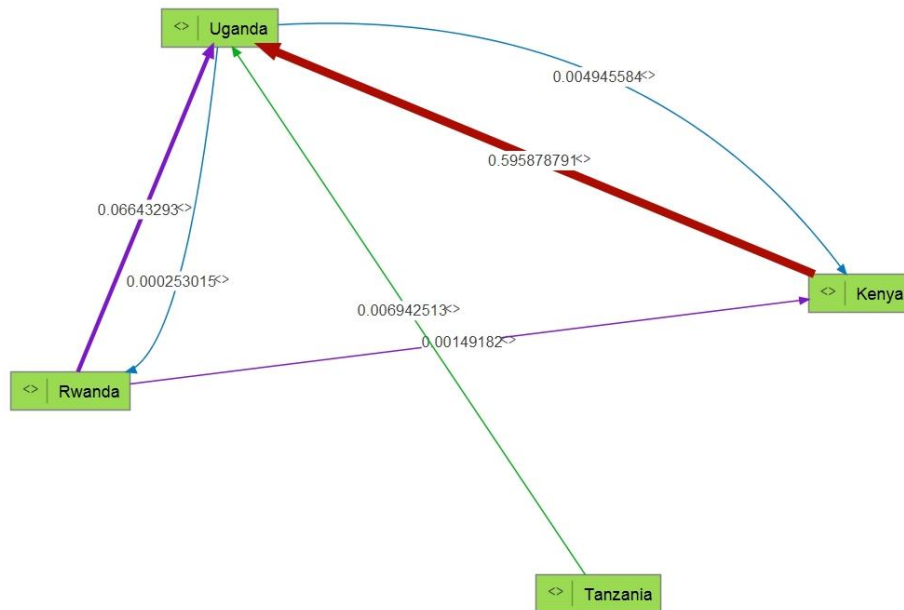


Figure 23: Intra EAC Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Energy Services – Intra ECOWAS Trade

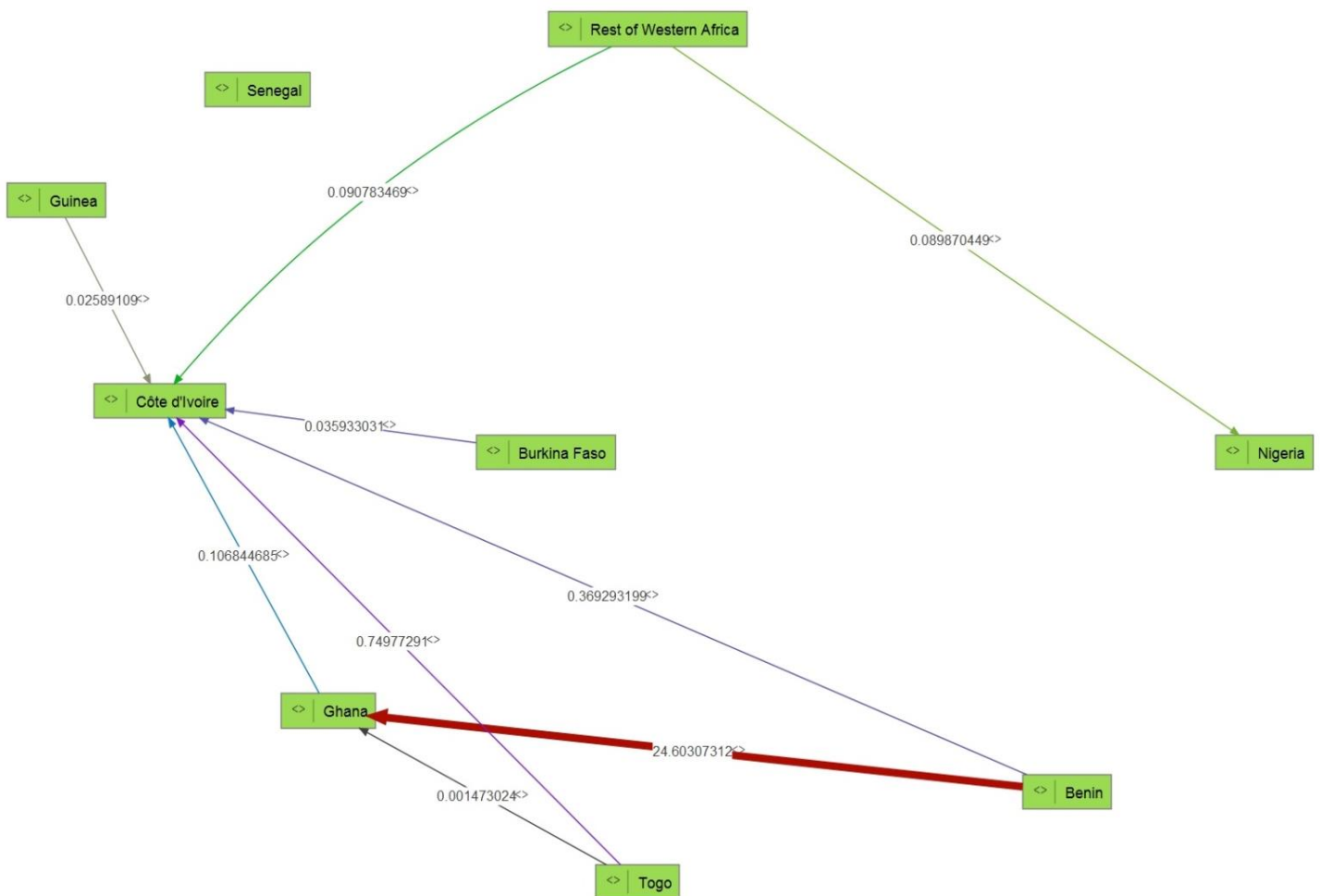


Figure 24: Intra ECOWAS Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Energy Services – Intra IGAD Trade

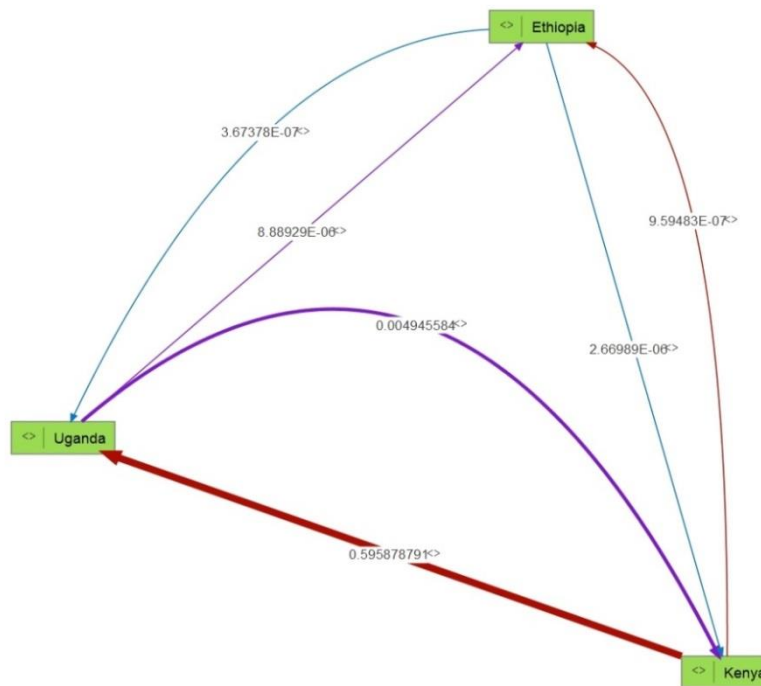


Figure 25: Intra IGAD Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

Energy Services – Intra SADC Trade

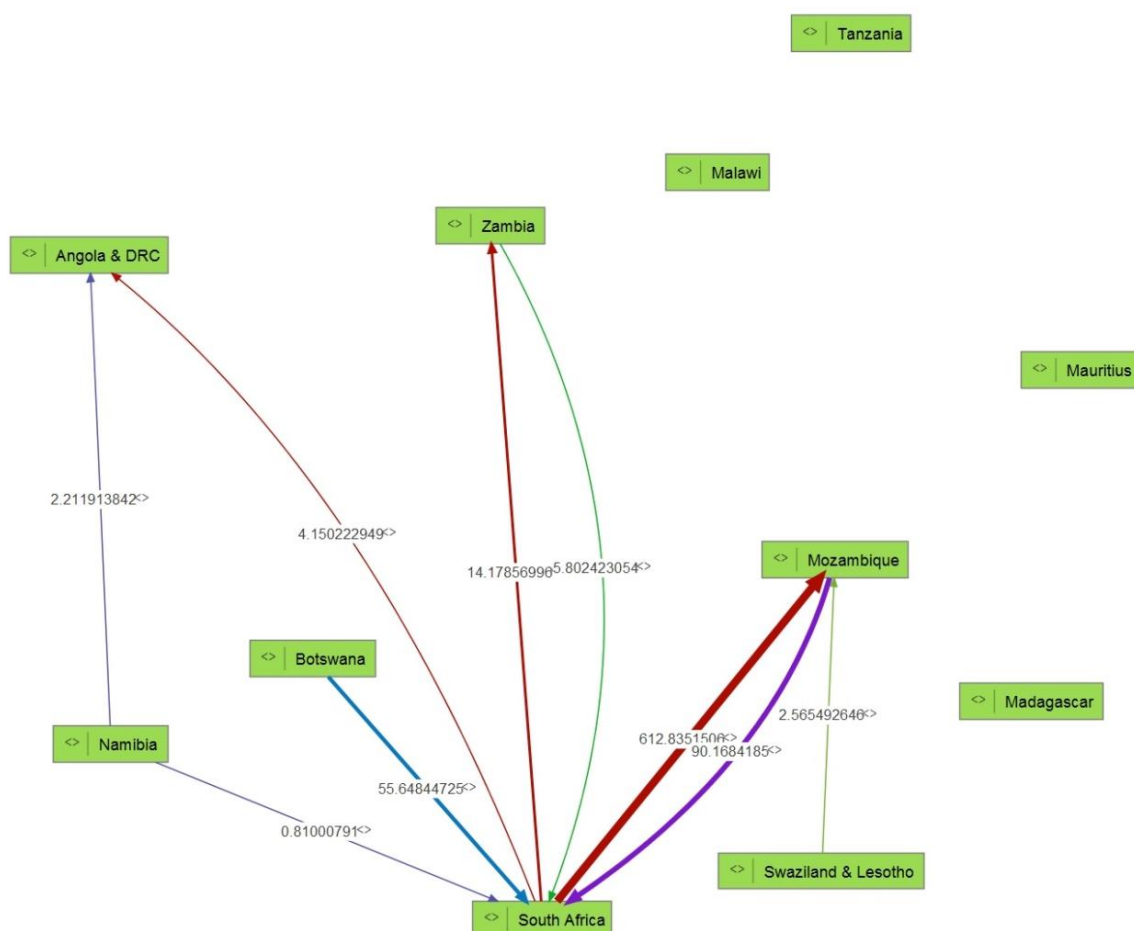


Figure 26: Intra SADC Trade in Energy Services (Source: GTAP; Year: 2007; Basis: ISIC rev3)

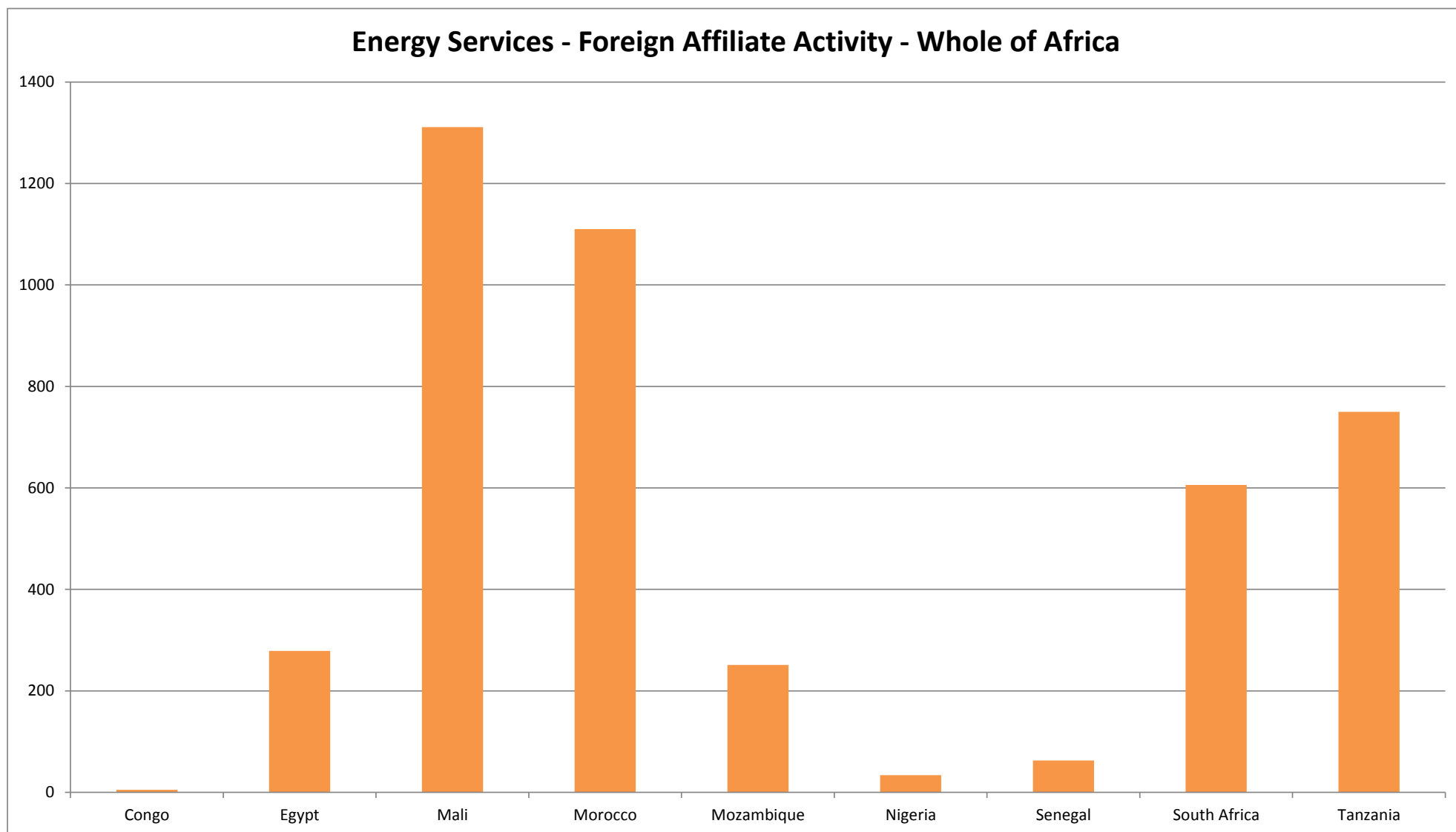


Figure 27: Energy, Storage and Communication - Foreign Affiliate Activity Africa (Source: Investment Map; Year: 2011; Basis: ISIC rev3)

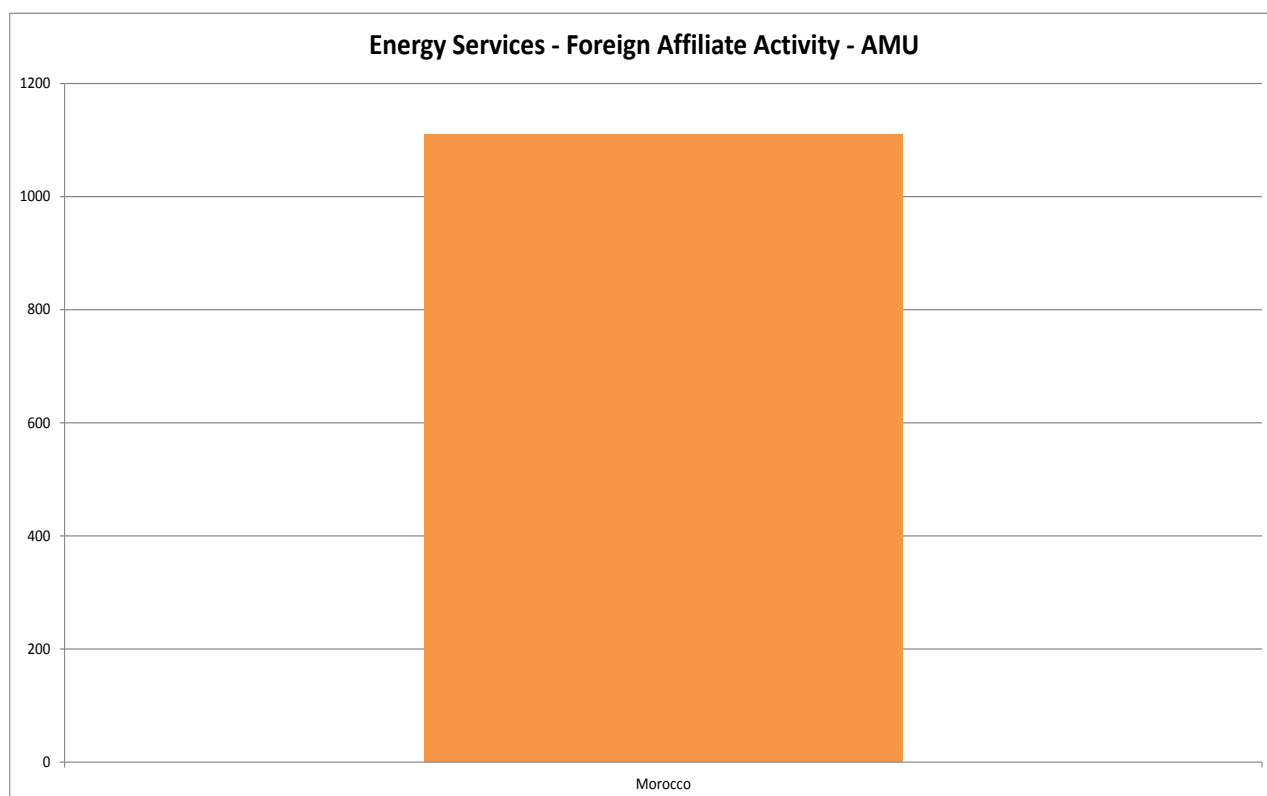


Figure 28: Energy, Storage and Communication - Foreign Affiliate Activity - AMU (Source: Investment Map; Year: 2011; Basis: ISIC rev3)

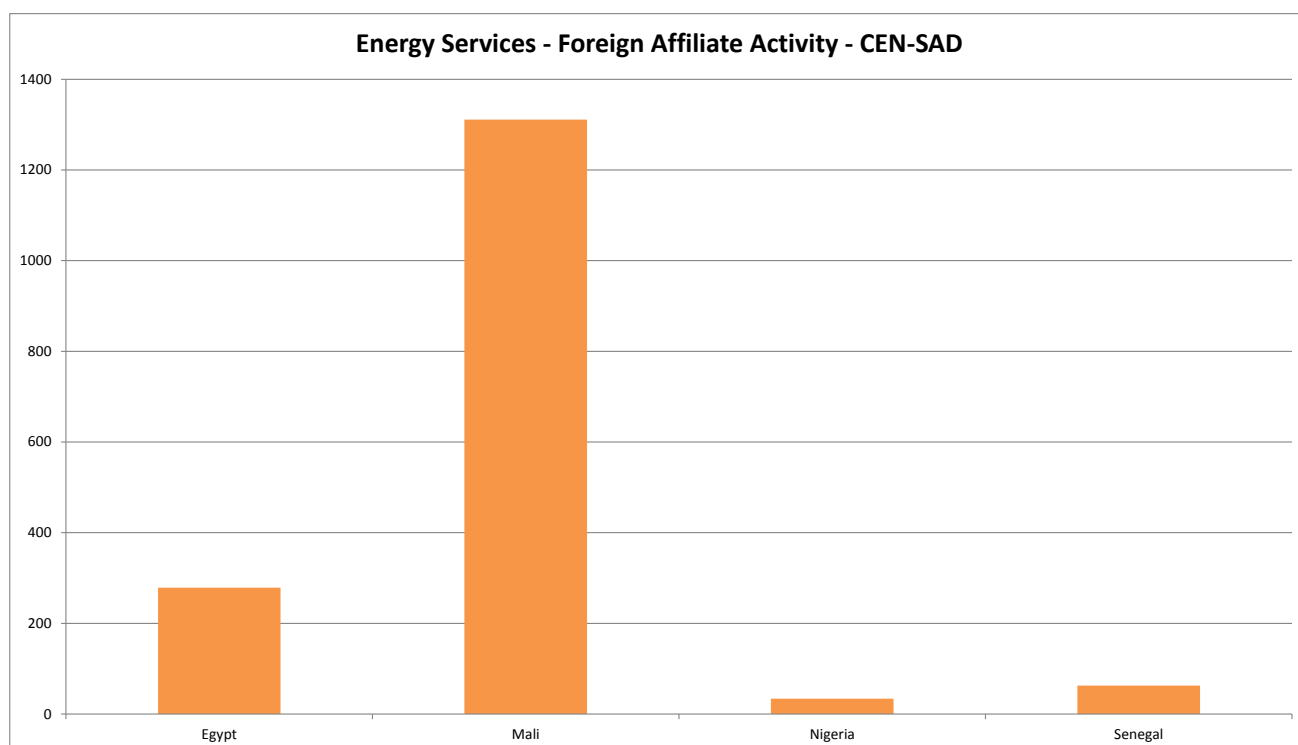


Figure 29: Energy, Storage and Communication - Foreign Affiliate Activity - CEN-SAD (Source: Investment Map; Year: 2011; Basis: ISIC rev3)

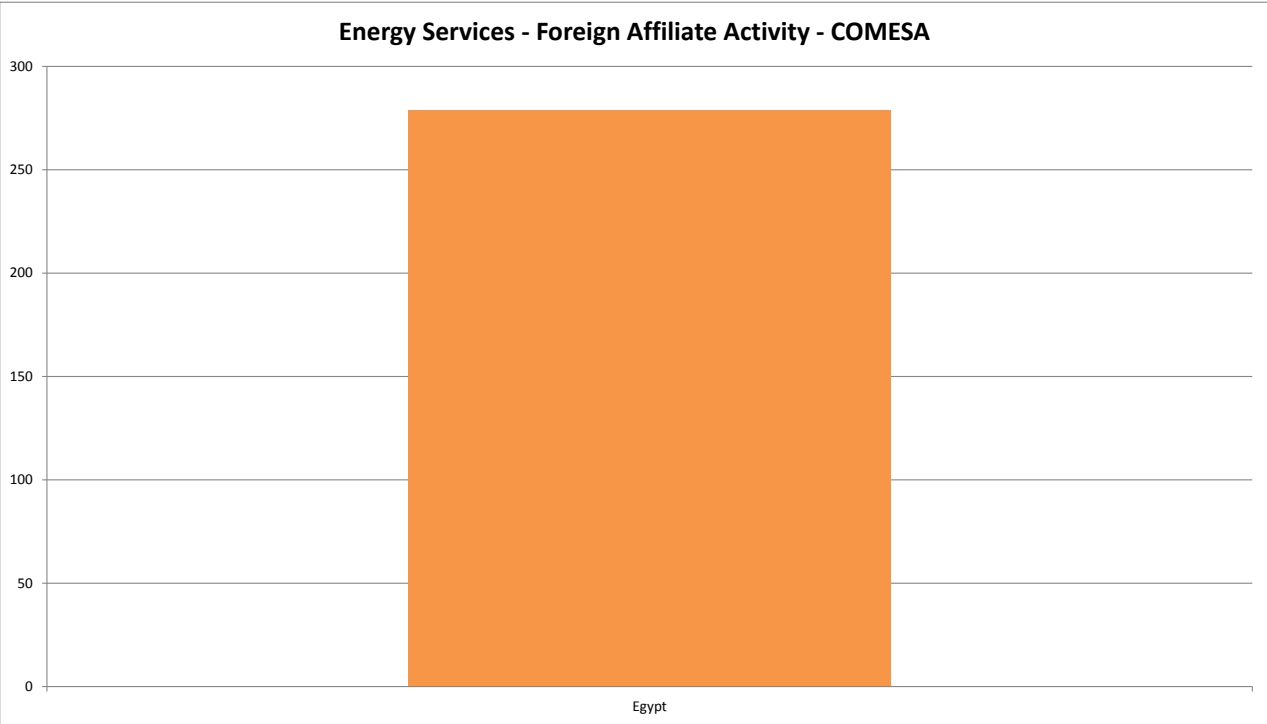


Figure 30: Energy, Storage and Communication - Foreign Affiliate Activity - COMESA (Source: Investment Map; Year: 2011; Basis: ISIC rev3)

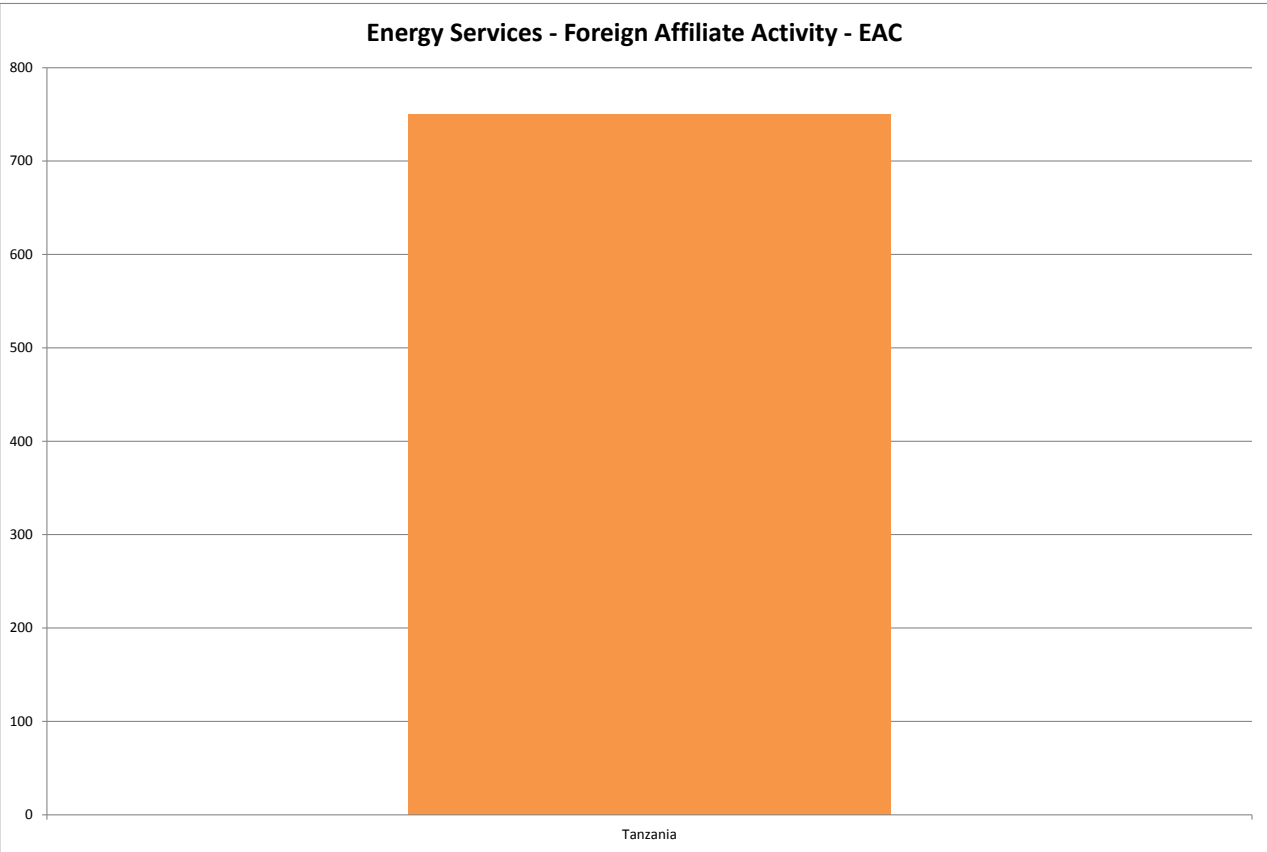


Figure 31: Energy, Storage and Communication - Foreign Affiliate Activity - EAC (Source: Investment Map; Year: 2011; Basis: ISIC rev3)

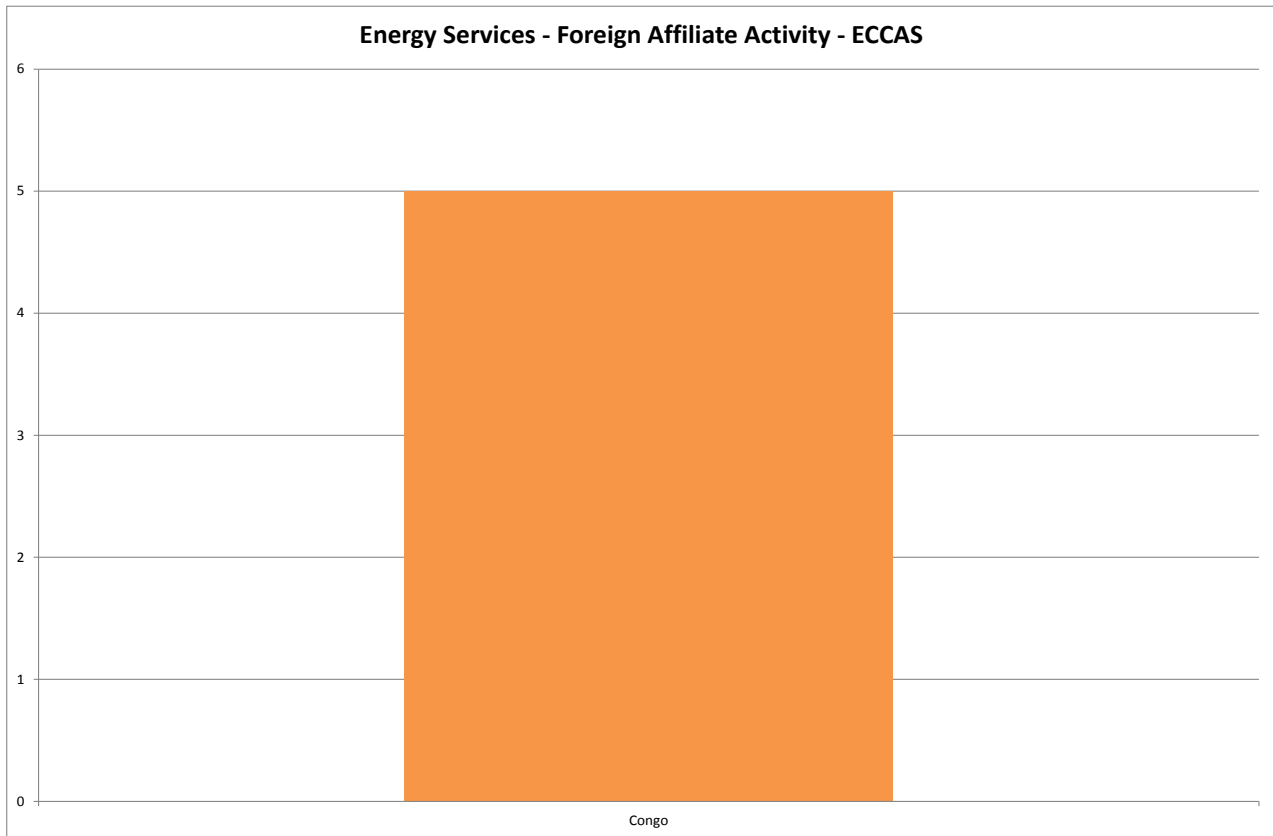


Figure 32: Energy, Storage and Communication - Foreign Affiliate Activity - ECCAS (Source: Investment Map; Year: 2011; Basis: ISIC rev3)

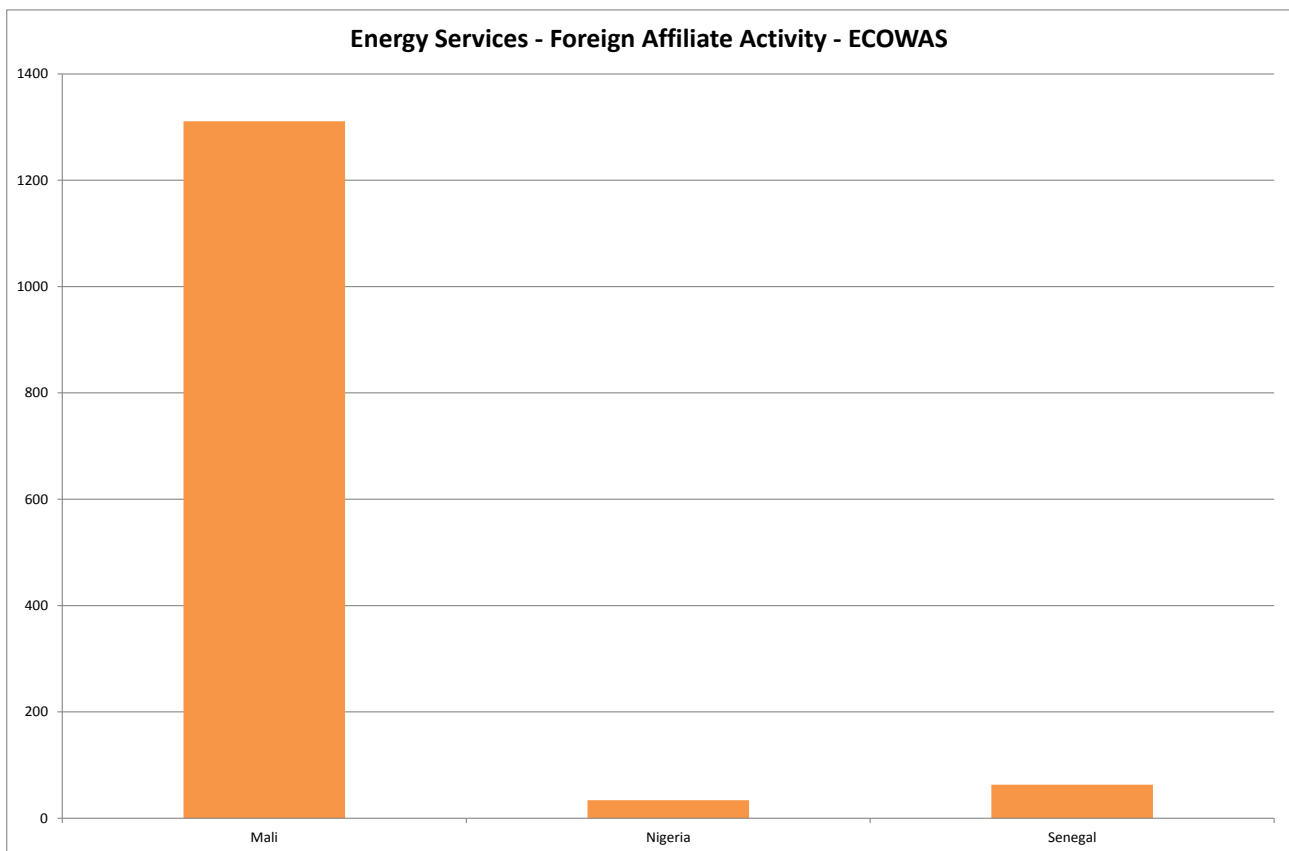


Figure 33: Energy, Storage and Communication - Foreign Affiliate Activity - ECOWAS (Source: Investment Map; Year: 2011; Basis: ISIC rev3)

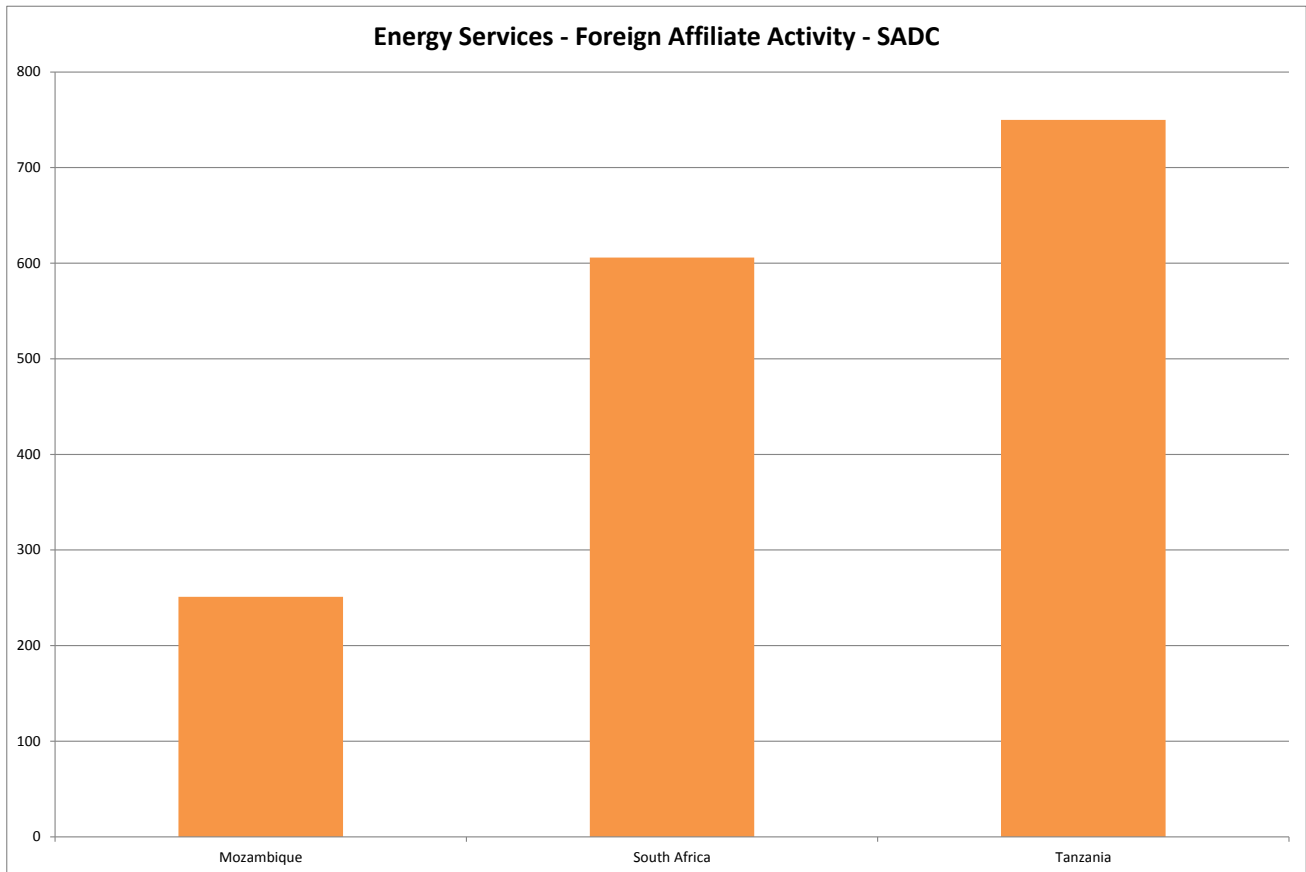


Figure 34: Energy, Storage and Communication - Foreign Affiliate Activity - SADC (Source: Investment Map; Year: 2011; Basis: ISIC rev3)

Energy Services – Export Value Added – All Africa

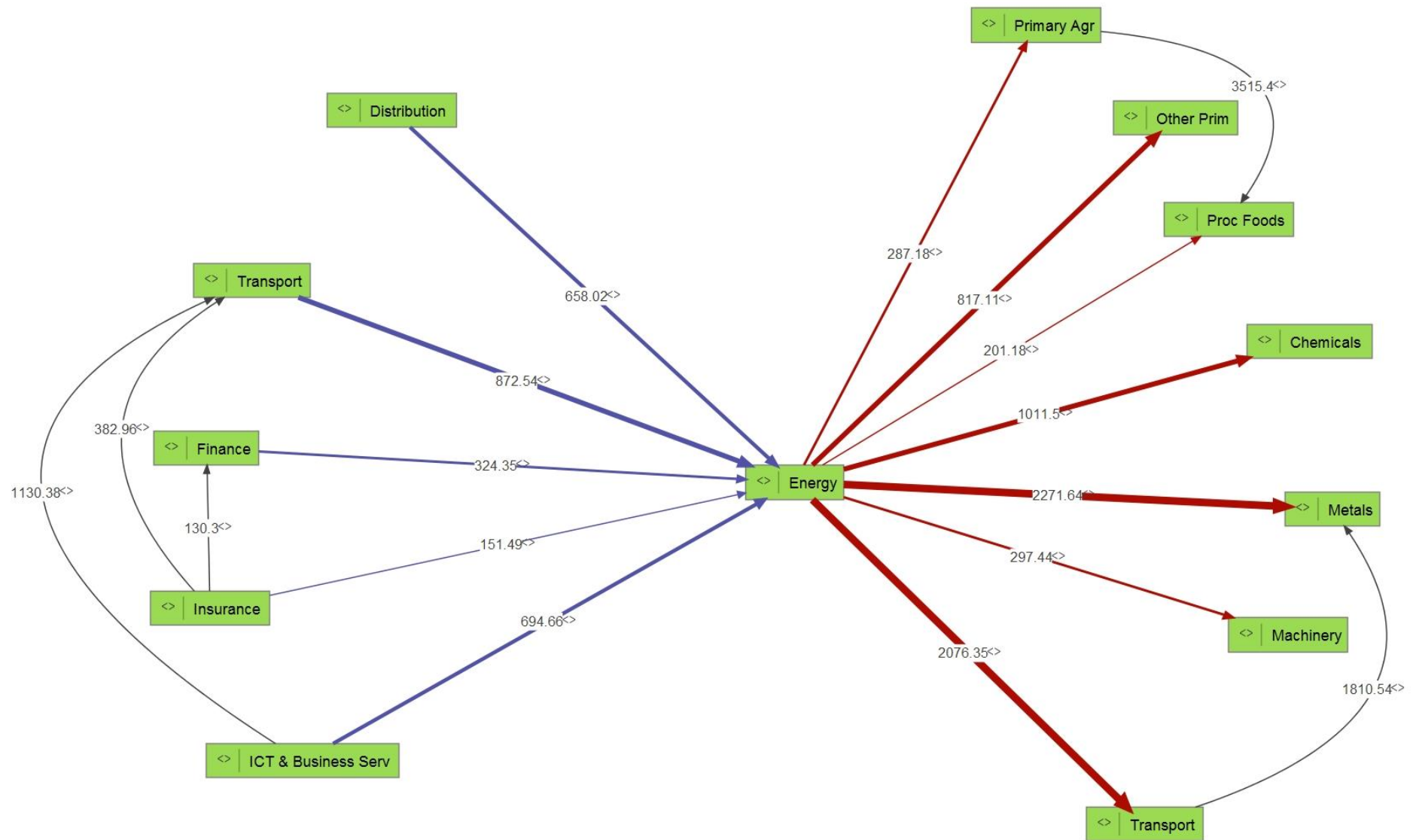


Figure 35: Energy Services - Value Added to Exports of Sector – All Africa (Source: GTAP; Year: 2011; Basis: ISIC rev3)

Energy Services – Export Value Added – AMU

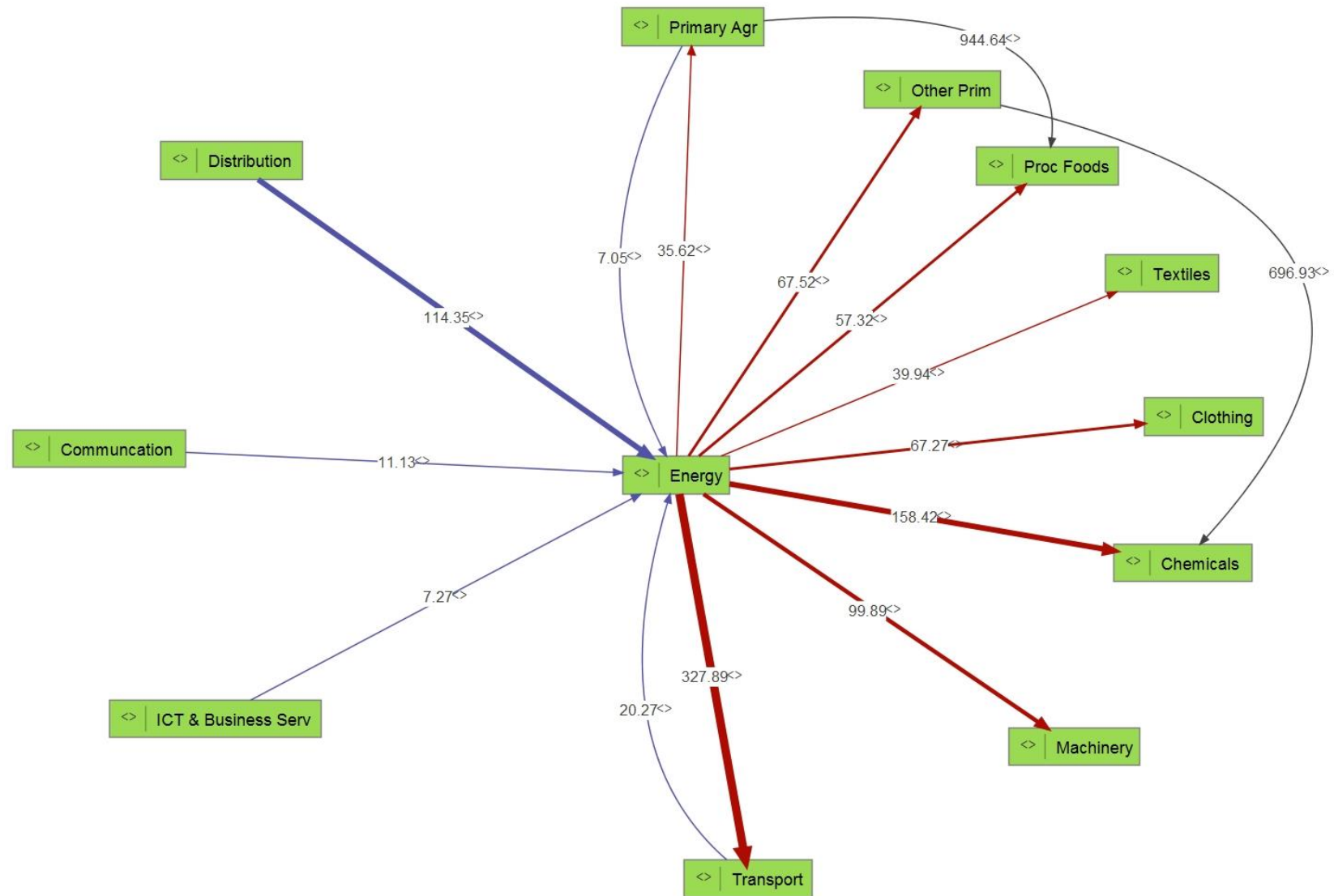


Figure 36: Energy Services - Value Added to Exports of Sector – AMU (Source: GTAP; Year: 2011; Basis: ISIC rev3)

Energy Services – Export Value Added – CEN-SAD

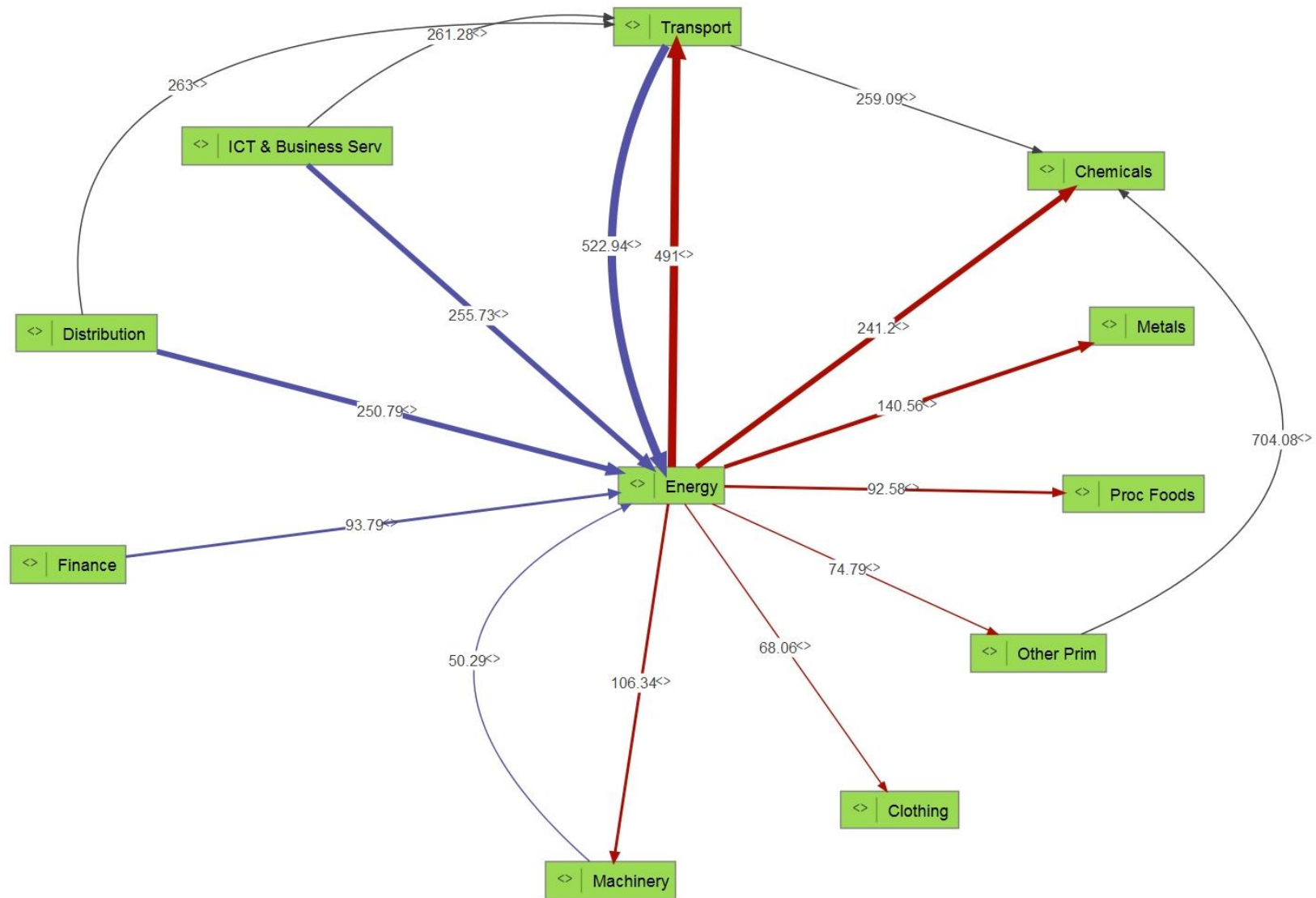


Figure 37: Energy Services - Value Added to Exports of Sector – CEN-SAD (Source: GTAP; Year: 2011; Basis: ISIC rev3)

Energy Services – Export Value Added – COMESA

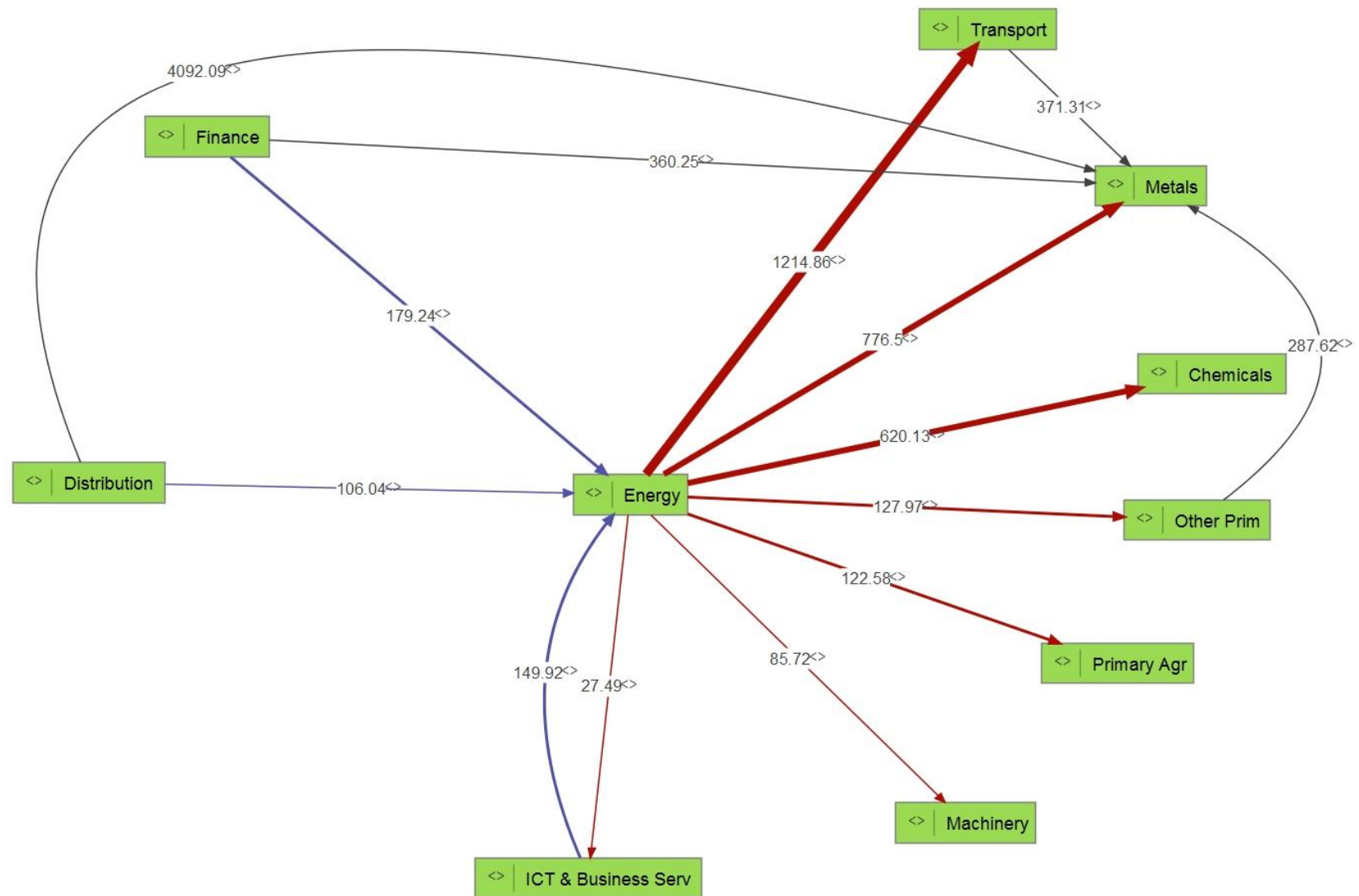


Figure 38: Energy Services - Value Added to Exports of Sector – COMESA (Source: GTAP; Year: 2011; Basis: ISIC rev3)

Energy Services – Export Value Added – EAC

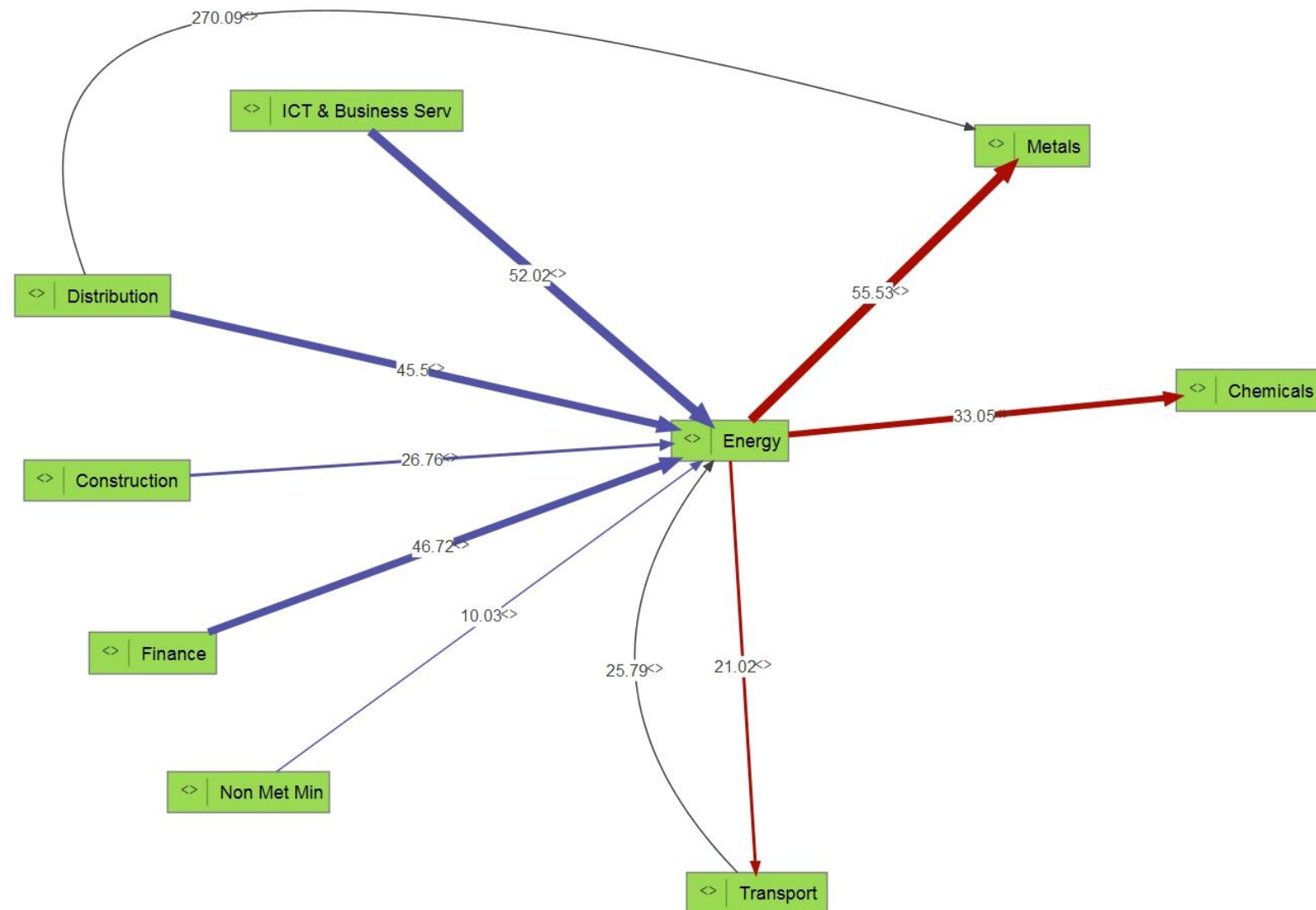


Figure 39: Energy Services - Value Added to Exports of Sector – EAC (Source: GTAP; Year: 2011; Basis: ISIC rev3)

Energy Services – Export Value Added – ECOWAS

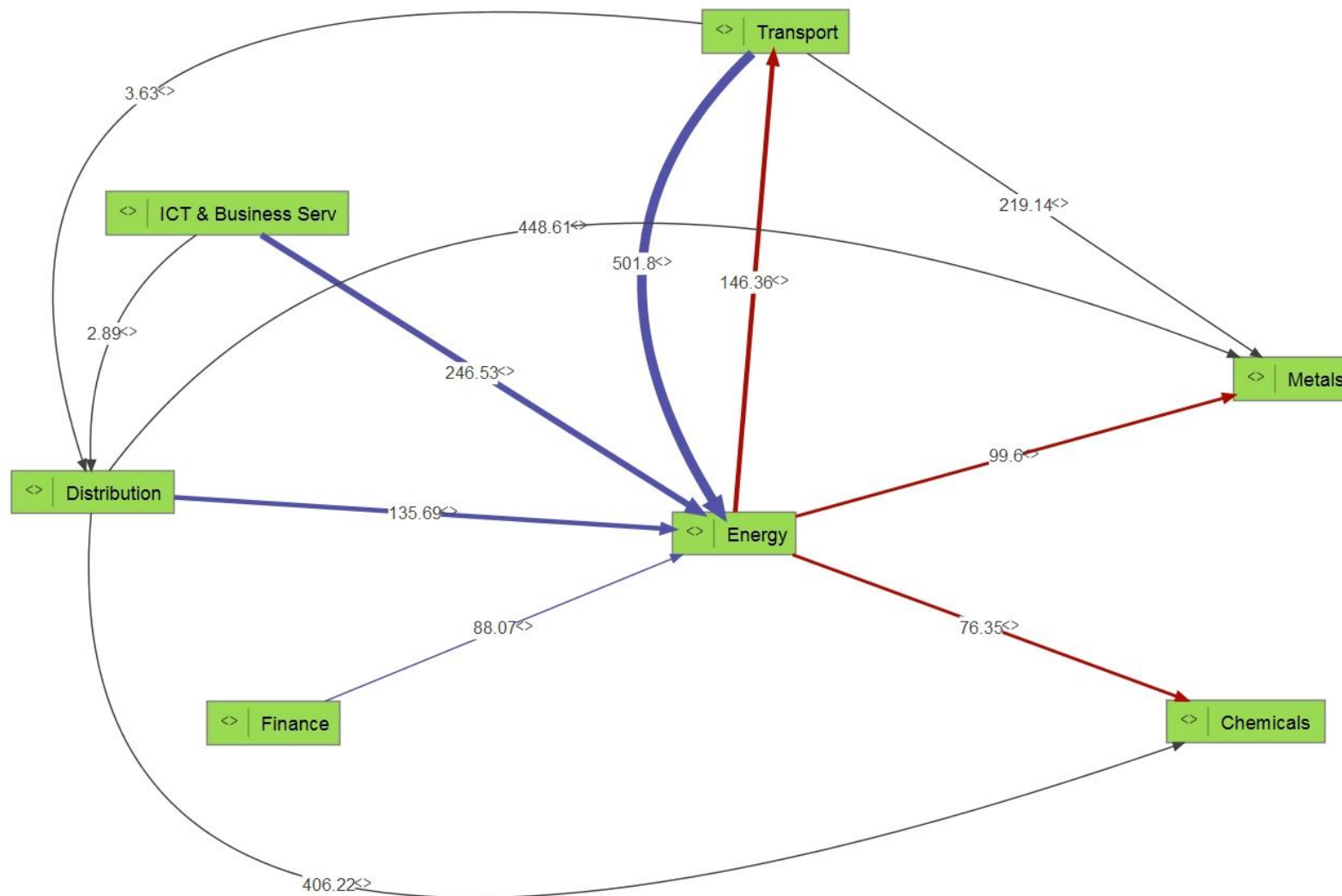


Figure 40: Energy Services - Value Added to Exports of Sector – ECOWAS (Source: GTAP; Year: 2011; Basis: ISIC rev3)

Energy Services – Export Value Added – IGAD

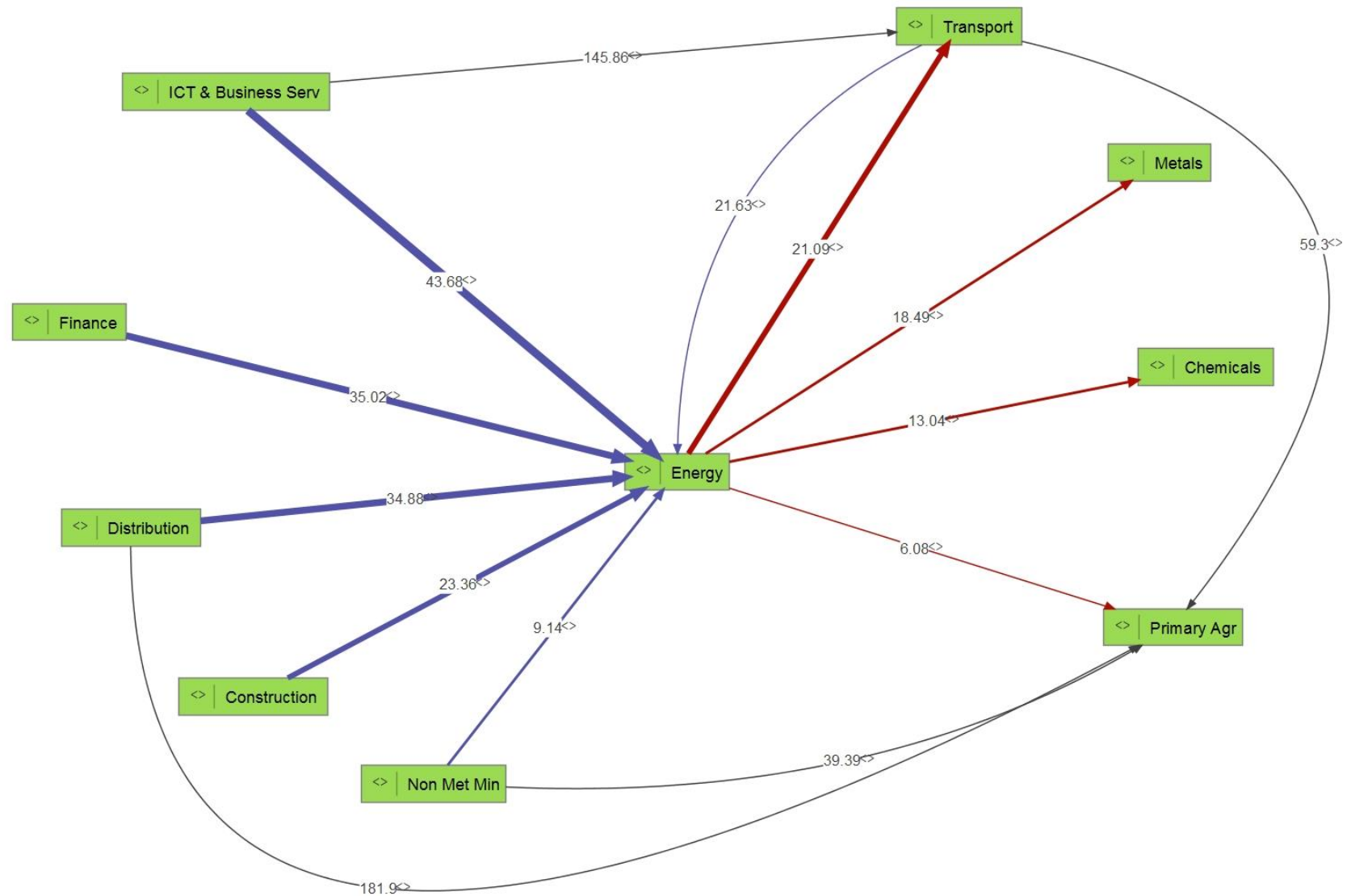


Figure 41: Energy Services - Value Added to Exports of Sector – IGAD (Source: GTAP; Year: 2011; Basis: ISIC rev3)

Energy Services – Export Value Added – SADC

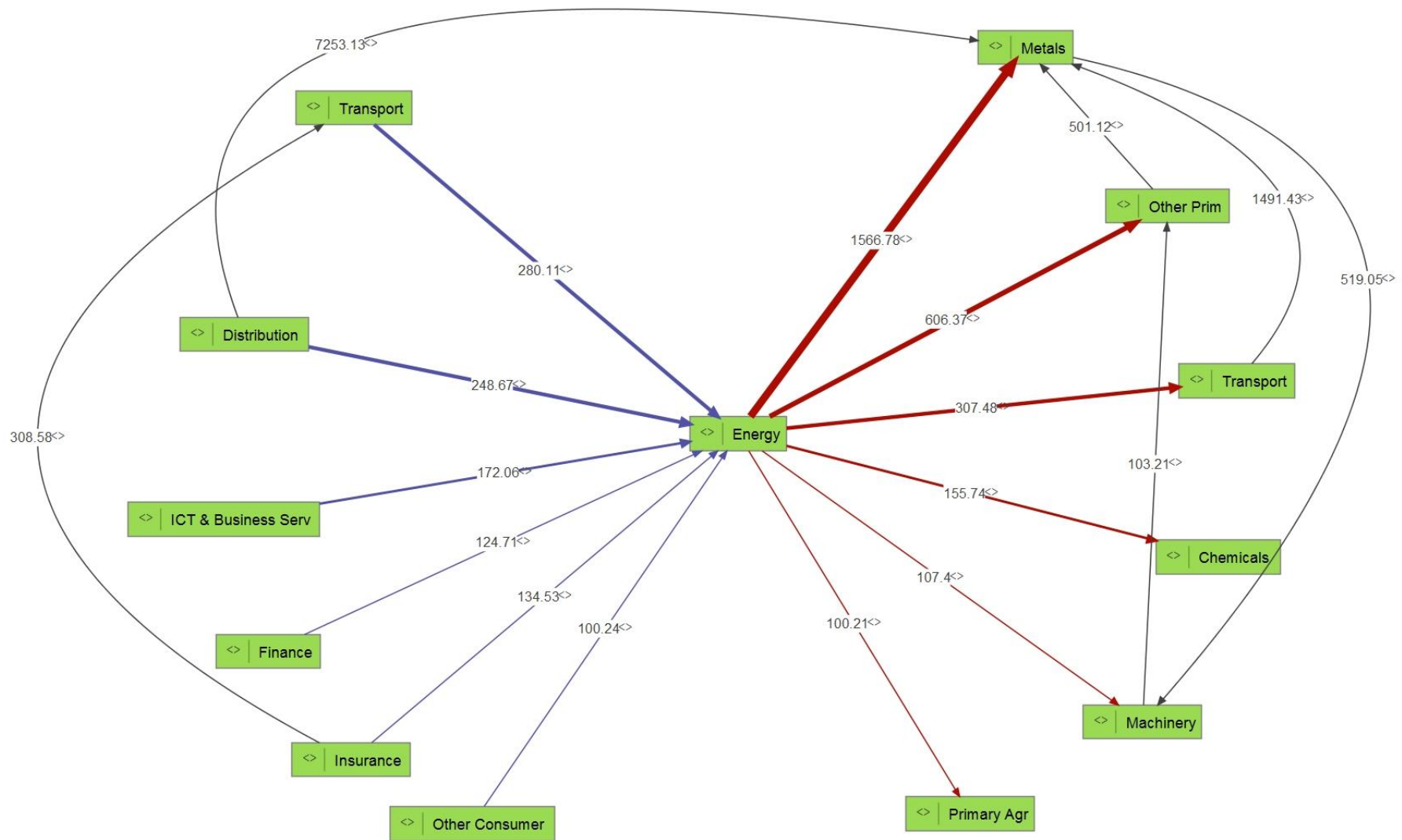


Figure 42: Energy Services - Value Added to Exports of Sector – SADC (Source: GTAP; Year: 2011; Basis: ISIC rev3)