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A New Database on Project Aid and Programme Aid  
Disbursements and a Re-examination of the Aid-  
Savings Nexus

by

B Ouattara

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School of Social Sciences,  
The University of Manchester  
Oxford Road  
Manchester M13 9PL  
United Kingdom

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# **A New Database on Project Aid and Programme Aid Disbursements and a Re-examination of the Aid-Savings**

## **Nexus**

**Bazoumana Ouattara\***

### **Abstract:**

This paper is a contribution to the aid effectiveness literature in two important fronts. Firstly, it develops a new database for project aid and programme aid disbursements for 104 developing countries, for the period of 1973-2001. Secondly, using this new dataset and, food aid and technical assistance data from the OECD-DAC database the paper re-examines the savings displacement hypothesis. The main results of this study can be summarised as follows. Firstly, taking into account the functional classification of development aid casts doubt on the conclusion and more importantly the policy recommendation of the vast majority of the existing aid effectiveness literature. Secondly, the results suggest, overall, that project aid flows and food aid (excluding emergency and relief food aid) are associated with a reduction domestic savings. By contrast, financial programme aid and technical assistance grants do not appear to reduce domestic savings.

*Keywords:* Aid disaggregation, Aid effectiveness, Savings, Panel data

*JEL Classifications:* E21, F35, C33

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\* Economic Studies, The University of Manchester, Oxford Road Manchester M13 9PL, UK. Tel: +44 (0) 161 275 4871. Email: [osman.ouattara@man.ac.uk](mailto:osman.ouattara@man.ac.uk).

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## **1. Introduction**

Past research on the effectiveness of aid is flawed because it assesses the impact of aggregate aid flows on various macroeconomic variables of the recipient countries. Foreign aid, however, is disbursed in four main forms namely, project aid-financial programme-aid-technical assistance grants-and programme food aid. Given that all aid is not alike, neglecting the disaggregation issue in research and evaluation process might fail to give a clear picture and most seriously lead to misleading policy recommendations. Indeed, some authors (see Cassen (1986); White (1992 and 1998)) have already voiced the importance of aid disaggregation on the basis that different types of aid are likely to exert different macroeconomic effects on the recipient economies. At the empirical level, some recent studies have confirmed the concerns of those authors. Indeed, Mavrotas (2002) disaggregates aid to India into programme aid-project aid-and technical assistance grants and finds that all three types of aid affected growth negatively during the 1970-92 period. In the context of Uganda, Mavrotas (2003) finds that programme aid exerted more significant effect on growth than project aid over the period 1980-2000. Applying a fiscal response model to Côte d'Ivoire (1975-2000), Mavrotas and Ouattara (2003) finds that public investment is affected positively by all types of aid, except project aid-government consumption is negatively associated with the programme based modality and positively associated with the other three types. Ouattara (2003) extends the fiscal response model to look at the response of public savings and how different categories of aid affect Côte d'Ivoire's dependence on future aid flows. He finds that project

aid flows tend to reduce public savings and worsen Côte d'Ivoire's dependence on aid, in general, more than the other categories of aid flows.

Although this paper criticises most previous aid effectiveness studies for their use of aggregate aid figures it, nevertheless, recognises the fact the availability of disaggregated aid disbursement data is a major issues. Project and programme flows only exist in commitment terms in the OECD-DAC database. One study (see Cordella and Dell'Arcia (2003)) has used these commitment values to assess the impact of aid on growth in the context of a panel study. However, using commitments values is problematic because, they are generally higher than disbursements and thus would tend to over-estimate the true effect of aid.

This paper proposes a method, based on the approach used by Mavrotas and Ouattara (2003), to construct a new database on project and programme aid disbursements for most countries in the OECD-DAC database. This method converts project and programme aid commitments into disbursements by assuming that their respective share in total (project aid commitments + programme aid commitments) is more or less equal to their share in total net ODA less technical assistance grants. The paper also re-examines the savings displacement hypothesis (see Griffin (1970)) in the context of aid disaggregation, using the General Method of Moments (GMM) approach to dynamic panel proposed by Arellano and Bond (1991). The main findings of the paper are summarised as follows. Firstly, different categories of aid, indeed, exert different effects. Secondly, only project and food aid flows tend to displace domestic savings, in general.

The rest of the paper is structured as follows. Section 2 gives a brief overview of the composition of development aid. Section 3 is concerned with

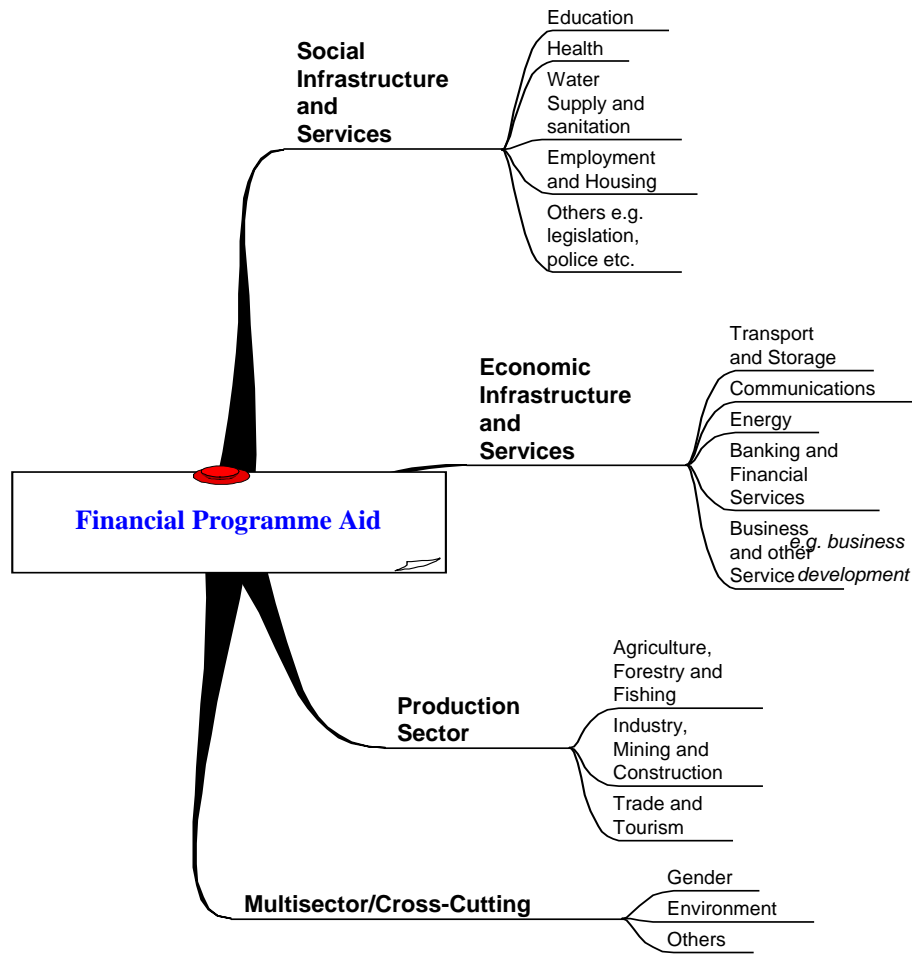
the construction of the database on project aid and financial programme aid disbursements. Section 4 presents summary findings of selected empirical studies on the aid-savings nexus. In Section 5 issues related to the econometric methodology and the data are discussed. Section 6 reports and discusses the statistical results. Concluding remarks are left to section 7.

## **2. The Composition of Development Aid**

As noted earlier, aid is given in diverse forms, notably, in the form (i) project aid; (ii) financial programme aid; (iii) technical assistance; and (iv) food aid (excluding emergency and relief aid).

Project aid flows, which are linked to specific projects, are mainly destined to develop and improve infrastructures in the recipient country. Until the mid-1970s project aid represented more than half of all disbursements by OECD countries, of which 66 percent was allocated to the development of infrastructure: roads, railways, ports, airports, etc. (OECD, 1997). The project aid based lending was further strengthened in 1973 following the World Bank's commitment to reduce poverty, under the initiative of its President McNamara. Several project activities were undertaken to develop and improve the agricultural sector. The developments of local infrastructures, and health and education sectors were extended to rural areas. By the end of the 1970s the project aid modality was widely used across all sectors in the portfolios of most donors (Mosley and Eeckout, 2000). Project aid covers four main sectors: social infrastructure and services-economic infrastructure and services-production sector-and multisector/cross-cutting sector. Figure 1 illustrates the different areas covered by the project base lending approach and their sub-categories.

**Figure 1**  
**Composition of Project Aid**



Financial programme aid flows are generally disbursed to help the recipient country correcting its balance of payments problems. These disbursements consisted of funds provided, mainly, by the IMF<sup>1</sup>, on commercial terms for macroeconomic stabilisation purposes, in the recipient countries

<sup>1</sup> The World Bank and bilateral donors did occasionally contributed to these disbursements, but in a very insignificant manner.

(Mosley and Eeckout, 2000). It was during the 1980s, when the developing countries started to experience severe economic crises that other donors (World Bank and bilateral) started to follow the steps of the IMF in providing financial programme aid. This category of aid represented almost 33 percent of World Bank lending (Adjustment lending) and about 20 percent of bilateral donors disbursements by the mid-1990s (OECD 1997).

A key feature of financial programme aid is that, by definition, it is not linked to a specific project and, in addition, programme aid is quickly disbursed compared to project aid, thereby providing an advantage from the recipient point of view to some extent.<sup>2</sup> Another feature of programme aid is that it is related to the issue of conditionality, whereby the recipient country agrees to undertake some policy reforms, such as price deregulation, the removal of exchange controls, imports quotas, distortionary taxes, subsidies to public enterprises etc., in exchange of the financial programme aid assistance.

The basic rationale for programme aid assistance can be summarised as follows:

“The economy is suffering from a constraint on recurrent expenditure (be it intermediate and consumer imports or government consumption), so that existing resources are severely under-utilised: schools have neither textbooks nor chalk, roads are crumbling and factories stand idle-under these circumstances it makes little sense to carry out further investments: investment will only increase potential output, when even the existing potential is not realised. Rather, programme aid should be provided for intermediate imports (or free funds to the government budget) to allow the economy to increase capacity utilisation.” (White, 1998, p. 71).

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<sup>2</sup> Programme aid is sometimes referred as Quick Disbursement Assistance (QDA).

In addition to the issues raised by White (1998), financial programme aid has become to be regarded superior to project aid for other reasons. Firstly, project aid as a vehicle for achieving sustained reductions in poverty levels was limited compared to programme aid which was in tune with the poverty reduction strategies (Wilkes, 2001). A recent British policy statement on the subject says:

“...there needs to be a real improvement in the way [that] assistance is delivered. That means reducing support for stand-alone projects, and increasing support for sector wide reforms. Where governments have strong commitment to poverty reduction and strong policies in place, it means moving towards providing financial support directly to recipient government budgets using their own systems.” DFID, 2003, p.93).

Secondly, advocates of programme aid points to their lower transaction costs than an equivalent amount given in the form of traditional discrete development projects (Killick, 2004). It is often argued that project aid undermines local capacity development, imposes heavy procurement and reporting requirements, and reduces the value of aid through its tying (Killick, 2001) However, he points out that this superiority of programme aid with respect to the transaction costs is based on the comparative costs of the respective aid modalities, and thus it is only a hypothesis.

Thirdly, there is an issue of ownership. Project aid involves different projects from many donors, each working independently. This could lead to donor enclaves, inconsistent standards of provision and reduced government ownership. Given that programme aid is directly channelled through the recipient government budget, it allows more ownership to the latter in its development process. There is, however, an argument that the programme aid

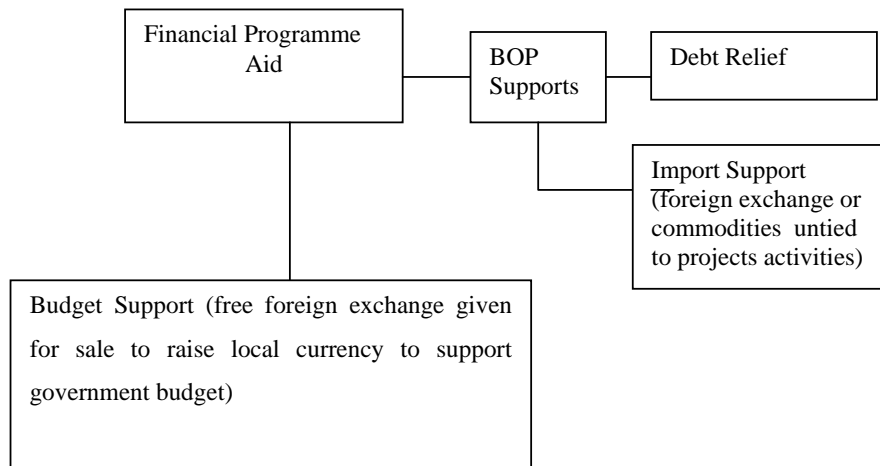


modality can encourage fungibility as the funds provided are not separable from the government budget (White, 1998).

Fourthly, programme aid flows tend to be more predictable than project aid, thus providing developing countries government with less uncertainty. For those government relying heavily on aid the programme aid modality appears to be more appealing in this context.

In terms of its composition, financial programme aid takes different forms. As Figure 2 shows, financial programme aid covers a range of interventions including debt relief, budget supports, and import supports. Technically, all financial programme aid grants involve giving foreign exchange to the recipient country, which in turn converts it into local currency.

**Figure 2 Types of Programme Aid**



*Source: White (1998, p.72)*

Foreign aid flows also include technical assistance grants (sometimes referred as technical co-operation grants), which are designed to fill the skill gap faced by many developing countries. Technical assistance takes two forms:

- Free standing technical assistance

- Investment related technical assistance

Free-standing technical assistance comprises ‘the provision of resources where the main aim is to augment the stock of human capital i.e. the level of knowledge, skills, technical know-how or productive aptitudes of the population of aid recipients’ (OECD, *DAC Statistical Reporting Directives*, 2000, p.47).

Investment related technical assistance, on the other hand, is provided to help in the design and implementation of projects or programmes undertaken in the recipient country. This type of technical assistance takes the form of consultancy, technical support, supply of human resources (e.g. managers, engineers, skilled labour, etc.), capital expenditure and the financing of heavy machinery and equipment.

The final category of aid namely food aid is the non-financial form of programme aid.<sup>3</sup> This form of aid is provided mainly for budget support purposes. The donor supplies the recipient with some food, which is then sold to raise local currency<sup>4</sup> necessary to finance public expenditure. The food is generally sold on local markets at a price lower than the cost of purchasing and transporting it. Transport, storage and the process of selling the food rely on the recipient. This form of aid includes supplies and transport of food, cash for food, intermediate products (fertilisers, seeds etc.) medicines, etc., provided as part of a food aid programme.

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<sup>3</sup> Some have argued that food aid is an inferior form of programme aid.

<sup>4</sup> This process is called monetisation of food aid.

### 3. Estimation of Project Aid and Programme Aid Disbursements

Although technical assistance and food aid exist in disbursements form in the OECD database, project aid and financial programme aid flows, as pointed above, only exist in commitment form. This has for long hampered research work aiming at exploring the potential effects associated with different categories of aid. One task of this paper is to construct these disbursements for most recipient countries in the OECD database. This database is provided in the hope that further work in the effectiveness of development aid is undertaken in order to provide, relatively, more accurate policy recommendations.

Project aid commitments appear in the OECD-CRS (*Credit Reporting System*) database under the heading “Sector allocable” and programme aid commitments (including food aid) under the headline “commodity aid and general programme assistance”. Denoting project aid commitments PJAC and programme aid commitments PGAC, a preliminary step is to construct a new variable PJ&PG\_AC, which is obtained by summing up project aid commitments and programme aid commitments, as below:

$$PJ \& PG\_AC = PJAC + PGAC \quad (1)$$

The next step is to calculate the shares of project aid commitments ( $PJAC\_share$ ) and programme aid commitments ( $PGAC\_share$ ) in their sum (PJ&PG\_AC).

$$PJAC\_share = \frac{PJAC}{PJ \& PG\_AC} \quad (2)$$

$$PGAC\_share = \frac{PGAC}{PJ \& PG\_AC} \quad (3)^5$$

In the third stage, we make use of the OECD-DAC (Development Assistance Committee) database, which reports aid (ODA) in disbursements form. The DAC database provides data for aid (net ODA), technical assistance and food aid. Denoting aid as ODA<sub>net</sub> and technical assistance as TA a new variable called PJ&PG\_AD<sup>6</sup>, which aid less technical assistance is derived, as in (4). In other words, this variable represents the sum of project aid and programme aid (including food programme aid) disbursements.

$$PJ \& PG\_AD = ODA_{net} - TA \quad (4)$$

In the fourth stage, we make the assumption that the shares of project aid and programme aid in their total commitments are equal to their shares in their total disbursements.<sup>7</sup> Based on this assumption, we can easily convert project aid and programme commitments into disbursements by combining (2), (3) and (4). Let us denote project aid disbursements PJAD and programme aid disbursements PGAD. To obtain the disbursements values one needs to multiply the above shares (obtained in (2) and (3)) by the total of project aid and programme aid disbursements (PJ&PG\_AD) as follows:

$$PJAD = PJAC\_share \times PJ \& PG\_AD \quad (5)$$

$$PGAD = PGAC\_share \times PJ \& PG\_AD \quad (6)$$

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<sup>5</sup> Remember this figure includes food aid commitment.

<sup>6</sup> “D” stands for disbursements.

<sup>7</sup> This assumption might not be true every year and for every country but after trying different methods we came to the conclusion that this method was the most reliable.

As far as programme aid disbursements are concerned one has to remember that they include food aid (FA). Therefore, to obtain the figures for financial programme aid disbursements (*thereafter FPAGD*), food aid disbursements (FA) are subtracted from PGAD.

$$FPGA = PGAD - FA \quad (7)$$

It is worth pointing out is that the estimated aid (PJAD + FPGAD + TA + FA) figures are exactly the same as the actual values reported in the OECD-DAC database. In other words, this method can be considered consistent and robust. Table 3 reports the new dataset for 104 countries covering the period of 1973-2001.<sup>8</sup>

#### **4. Aid-Savings Nexus: Review of the Empirical Literature**

One of the central issues in the aid effectiveness literature is the impact of foreign aid flows on domestic savings. The issue raised is that of complementarity and substitutability of foreign aid flows to domestic savings. The early view (see Rosenstein-Rodan 1961, Chenery and Bruno 1962, and Chenery and Strout 1966) was that developing countries lack of savings to finance investment requirements and, therefore, foreign aid will act as a complement to help bridge the savings-investment gap.

However, this view was challenged later on by Griffin (1970), and Griffin and Enos (1970) who argue that foreign aid inflows would displace domestic

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<sup>8</sup> The data starts in 1973 for the simple reason that food aid data is only available from that year onward.

savings and thus act as substitutes rather than complements<sup>9</sup>. Using cross-section for 32 developing countries and 13 Asian and Middle East countries, and time series for Columbia, Griffin (1970) found that aid affects negatively domestic savings and the respective coefficients of aid were -0.73, -0.82 and -0.84. Similar findings are also reported by Weisskopf (1972) for a pooled data analysis of 44 less developed countries (LDCs). The author found that every unit increase in foreign aid is associated with a 0.23 reduction in domestic savings. Papanek (1973) in the context 34 and 51 LDCs found that reduces savings by more than 0.5 for a one unit increase in aid. These results are also confirmed by Gupta and Islam in a cross section analysis of 52 LDCs, and Mosley (1980) in the context of 83 LDCs. The reported coefficients of aid in these studies were, respectively, -0.47 and -0.11. Time series studies Bowles (1987) for India, Tanzania and Paraguay also show aid reduces savings by 1.10, 0.60 and 1.10, respectively, for every unit increase in aid. In another time series study, By Morriset (1989) the coefficient of aid with respect to savings was found to be -0.98. The savings displacement hypothesis is also confirmed by White (1992) in a cross-section analysis of 66 LDCs. His results show that for every one percent increase in foreign aid domestic savings is reduced by 0.09. Relatively recent studies, such as Boone (1994) and Reichel (1995) also found that aid displaces domestic savings. *Assessing Aid* (World Bank 1998) seems to support indirectly the savings displacement hypothesis when it argues that most aid is used for consumption purposes. Policies based on these findings would, of course, tend to discourage the use of aid as a mean to foster economic growth in developing countries. However, given the heterogeneous nature of development aid, doing

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<sup>9</sup> This view has become to be known as the “savings displacement hypothesis”.

so would be premature if one does not take the analysis a step further by trying to understand which category of aid has a displacement effect on savings.

## 5. Econometric Methodology and Data Issue

### 5.1. Econometric Methodology

This paper uses panel data econometrics to test the savings hypothesis. The panel method used in this paper is based on the Generalised-Method-of-Moments (GMM) estimators to dynamic models. This method has the advantage of allowing for the control of country-specific effects and potential endogeneity of the explanatory variables. To address these issues, instruments based on the lagged values of the explanatory variables are used.

The model for the domestic savings equation is based on the following dynamic reduced form regression:

$$S_{i,t} = \alpha_1 S_{i,t-1} + \alpha_2 X_{i,t} + \eta_i + \varepsilon_{i,t} \quad (8)$$

where  $S$  is the domestic savings rate;  $X$  represents a set of its economic determinants;  $\eta$  is a set of unobserved, time-invariant, country-specific effects;  $\varepsilon$  is the error term; and the subscript  $i$  and  $t$  represent country and time period, respectively.

To deal with country-specific factors and endogeneity in the context of panel data the first difference of equation (8) is used, as below:

$$(S_{i,t} - S_{i,t-1}) = \alpha_1 (S_{i,t-1} - S_{i,t-2}) + \alpha_2 (X_{i,t} - X_{i,t-1}) + (\varepsilon_{i,t} - \varepsilon_{i,t-1}) \quad (9)$$

The use of instruments is important for two reasons. Firstly,  $(S_{i,t} - S_{i,t-1})$  is correlated to  $(\varepsilon_{i,t} - \varepsilon_{i,t-1})$  by construction. Secondly, the possible endogeneity of some explanatory variables is reflected in the correlation between these variables and the error term. The aim is to relax the commonly held assumption of strict exogeneity of the explanatory variables (i.e. they are not correlated with the error term). Under the assumptions that the error term,  $\varepsilon$ , is not serially correlated and that the explanatory variables are weakly exogenous, the following moment conditions apply:

$$E[S_{i,t-s} \bullet (\varepsilon_{i,t} - \varepsilon_{i,t-1})] = 0 \quad S \geq 2, \quad t = 3, \dots, T \quad (10)$$

$$E[X_{i,t-s} \bullet (\varepsilon_{i,t} - \varepsilon_{i,t-1})] = 0 \quad S \geq 2, \quad t = 3, \dots, T \quad (11)$$

The GMM estimator, proposed by Arellano and Bond (1991) is based on the moment conditions in (10) and (11). The consistency of the GMM estimator depends on whether lagged values of the explanatory variables are valid instruments in the domestic savings regression. To deal with this issue, two tests, proposed by Arellano and Bond (1991), are used. The first is a Sargan test of over-identifying restrictions, which tests for the validity of the instruments. Failing to reject the null hypothesis (validity of the instruments) validates the model. The second test examines the hypothesis that the error term,  $\varepsilon_{i,t}$ , is not serially correlated. It tests whether the differenced error term,  $(\varepsilon_{i,t} - \varepsilon_{i,t-1})$ , is first and second-order serially correlated. Failure to reject the null hypothesis “of the absence of second-order serial correlation” leads to the conclusion that



the original error term is serially uncorrelated. Subsequently, the corresponding moment conditions can be used.

## **5.2. Data Issues**

$S$  is domestic savings expressed in percentage of GDP. The variables included in the set  $X$  are: GDP, representing income per capita; growth, real GDP growth; Inflation (GDP deflator); Deposit rates; M2 as a percentage of GDP, representing the financial sector development; Aid (ODA) as a percentage of GDP; PJA, FPGA, TA, FA representing, respectively, project aid, financial programme aid, technical assistance grants, food aid (for programme), all expressed as a percentage of GDP; OFF is other financial flows (sum of other official flows and private flows) as a percentage of GDP.

Data on domestic saving ratios, GDP per capita, GDP growth, inflation, deposit rates, the financial sector measure has been obtained from the World Bank World Development Indicators 2002 (WDI 2002). Data on aid, technical assistance and food aid has been obtained from the OECD-DAC online statistics. The data on other financial flows has been obtained by aggregating other official flows (OOF) and net private flows, both from the OECD-DAC database. Data on project aid, financial programme aid is from this paper and has been expressed in percentage of GDP to be consistent with other variables used in the estimation. Summary statistics of all the variables are presented in appendix. For the estimation purpose we converted our yearly values, for all variables, into five five-year average (73-77 to 93-97) and one 4-year average (98-2001). This is a standard practice in panel data studies to control for business cycles.

The *a priori* impacts of the aid variables, according to the aid-savings hypothesis, are expected to be negative, as these flows will be used for consumption and will discourage government revenue collection effort. Similar argument holds for the other financial flows variable. As for income growth, the life-cycle hypothesis of saving suggests that savings ratio tend to increase with the growth rate of income as the higher the growth rate the wider the gap between the target consumption level of the current generation and the dis-saving of retired people (see Modigliani and Brumberg, 1954). The impact of GDP on savings is ambiguous. The impact of interest rate on domestic savings would depend on which of the substitution or income effect dominates. The substitution effect of a rise in the interest rate tends to promote savings while the income effect tends to reduce it. Fry (1995), however, argues that changes in the real interest rate might not have a significant effect on domestic savings, as both effect cancel each other. The expected sign for the coefficient of financial sector variable is positive. Finally, the impact of the rate of inflation on domestic savings is ambiguous. High inflation affects negatively real money balance and this could lead to an increase in savings if individuals wish to reinstate their real money balances; however, higher inflation may discourage savings as its real value is falling (Hussein and Thirlwall, 1999).

## **6. Empirical Results**

Table (5), in Appendix, presents the estimation results for the domestic savings regression.<sup>10</sup> Results using aid (aggregated figures) as well as results when each category of aid is allowed to act on its own right are presented. However, before proceeding to the detailed discussion of the results it is important to check if the

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<sup>10</sup> 7 countries (out of the 104) were dropped from the regression due to lack of data.

model used in the estimation process passes the different diagnostic tests. As it can be seen from Column (1) through Column (4), the Sargan test of overidentifying restrictions cannot reject the null hypothesis that the instruments are valid. Also, the tests for serial correlation do not reject the hypothesis that the differenced error term is not second-order serially correlated whilst rejecting that it is not first-order serially correlated. An important issue, also, worth pointing out is that the coefficient of the lag dependent variable is positive, less than one and significant (at the 1% level). This is an indication that the model satisfies the stability condition

Given the robustness of the results their interpretation can now follow. Column (1) of Table (5) relates results when the full sample is used. Starting with the variables of interest, foreign aid flows, the results show that aid affects negatively and significantly domestic savings, as predicted by griffin (1970). In particular, increasing aid (as a percentage of GDP) by one percent leads to 0.182 percent reduction in the domestic saving ratio. However, turning to the results related to the differential impact of aid components tells a different story. Only project aid flows and food aid appear to reduce domestic savings. A one percent increase in their respective values would reduce domestic saving ratios by 0.449 and 2.265, respectively. Both coefficients are significant at the 5% and 1% levels, respectively. By contrast, financial programme aid and technical assistance do not appear to displace domestic savings. An increase of a one percentage point in their respective values leads to an increase in domestic saving rates by 0.035 and 1.078, respectively. The coefficient of financial programme aid is not statistically significant, however.

The other variables in both models also merit some comments. Other financial flows (OFF) have a negative insignificant impact on domestic savings,

in both models. Similar finding also hold for GDP per capita. The impact of GDP growth is positive and significant. According to the estimates coefficients, a rise of a one percentage point in income growth rate leads to a domestic savings increase of more than 0.7 percentage points. These results are consistent with the life cycle hypothesis. Inflation, which measures macroeconomic instability, contributes to an increase in domestic savings. An increase of one percentage point in inflation leads to a rise in domestic savings by 0.002 percentage point. This finding that saving rates increase with inflation is in line with the precautionary savings motive argument. Turning to deposit interest rates, as predicted by Fry (1995), the results show that they do not have a significant, both statistically and in magnitude term, effect on domestic savings. Finally, the size of the financial sector has a positive impact on domestic savings. An increase in the measure of the financial sector (measured as a percentage of M2/GDP) by one percentage point is associated with about 0.1 percentage point increase in domestic saving rates.

In the next stage of the estimation process, the same regressions as in column (1) are replicated in the context of Sub-Saharan African countries, Latin America and Asia&MENA countries. The results are reported in Column (2), (3) and (4), respectively. A list of these countries is provided in Table 4, in Appendix.

#### *Sub-Sahara Africa Results*

As shown in Column (2), of Table 2, aid flows exert a negative impact on domestic savings, in the context of sub-Saharan African (SSA) countries. The results related to the model accounting for the impacts associated with different categories of aid flows show that only project aid and food aid have a negative

significant impact on domestic savings. Based on the estimated coefficients, the effect of an increase in project aid flows and food aid (both measured as a percentage of GDP) leads, respectively, to 0.491 and 3.934 percentage point reduction in the saving rates. Financial programme aid flows and technical assistance do not appear to reduce savings in SSA countries. The respective coefficients of these variables, with respect to the saving ratio are 0.436 and 1.412. While the coefficient of technical assistance is significant at all level, that of financial programme aid is marginally significant at the 10%. As with the full sample, the impact of other financial flows is negative but insignificant in statistical term. GDP and GDP growth appears to be a major determinants of savings in SSA. The estimated coefficients show that an increase in GDP of one percent raises the domestic savings rate by more than 5 percentage points. In turn, the estimated growth coefficient indicates that an increase in the income growth by one percentage point leads to a domestic saving rate increase of more than 0.5 percentage points. Inflation affects positively domestic savings and its coefficient is statistically significant at the 5% level. The impact of deposit rates is negative but insignificant. Finally, the size of the financial sector affects significantly and negatively domestic savings. This could be attributable to the inefficiencies of the financial sector in SSA.

#### *Latin America Results*

Aid affects positively and significantly domestic savings in these countries, as shown in Column (3). The model including the components of aid indicates that this positive contribution of aid in domestic savings is the result of financial programme aid flows and food aid. Increasing financial programme aid and food (both measured as a percentage of GDP) leads, respectively, to 0.924 and 2.533

percentage increase in domestic saving rates, in the context of Latin America (LAM) countries. The impact of project aid is negative and that of technical assistance is positive, with both coefficients being statistically insignificant. The effect of OFF is negative and only significant in the model incorporating the categories of aid. The results related to GDP per capita and GDP growth are puzzling. In the first model (i.e. where aid is used), the impact of GDP per capita is positive and insignificant while in the second model its impact is positive and significant. The opposite scenario happens with GDP growth. The response of domestic saving rates, in LAM countries, to changes in inflation is positive and significant. A one percentage point rise in inflation leads to an increase of around 0.001 percentage point increase in domestic savings rates. The impact of deposit rates is insignificant in magnitude term. Finally, the coefficient of the financial sector variable indicates that it contributes positively and significantly to savings. An increase in its measure by one percent is associated with more than 0.2 percent increase in saving rates.

#### *Asia and MENA Countries*

Due to limited number of observations for MENA countries and the fact that a regression with only Asian countries failed the serial correlation test these two groups of countries were combined to form a new sample. Results are reported in Column 4. Starting with aid it is clear from the results that its impact on domestic savings is negative and strongly significant in these countries. Increasing aid (as a percentage of GDP) by a one percentage point results in a reduction in domestic saving rates by more than one percentage point. A further investigation using the model with aid components reveals that project aid, financial programme aid and food affect negatively and significantly domestic

saving rates. A rise in their respective values by a one percentage point reduce saving rates by 1.702, 2.544 and 10.492 percentage point, respectively. Technical assistance appears to be the only type of aid not displacing domestic savings in Asia & MENA countries.

Turning to the other variables in the regression models, the results seem to indicate that other financial flows tend to affect negatively domestic savings. While their impact is negative and significant in the model with aid, their impact is positive but insignificant in the model with aid components. GDP tends to increase domestic saving rates. However, the results indicate that while the impact is strongly significant in the model with aid, it is insignificant in the model where aid categories are modelled. Domestic saving rates respond positively to GDP growth. A one percentage point rise in the growth rate of income result in a rise in domestic saving rates by more than 0.8 percentage point. The impacts of inflation and deposit rates are not significant. By contrast, the financial sector indicator is strongly and positively related to domestic savings. Increasing M2 (as a percentage of GDP) by a one percentage point leads to an increase in domestic saving rates by at least 0.2 percentage point.

## **7. Summary and concluding remarks**

This paper has provided a new database for project aid and programme aid disbursements for most aid recipient countries for the period of 1973 to 2001. The lack of data on these variables has for long hampered the ability of the aid effectiveness literature to carry out more rigorous empirical work. Secondly, the paper explored empirically how failing to take into account the functional classification of development aid could lead to misleading policy recommendations, using the savings displacement hypothesis as an example.

The methodology used in this paper is based on the GMM dynamic panel approach proposed by Arellano and Bond (1991). The main findings in this paper are:

- Most previous aid studies are characterised by an aggregation bias in their results, conclusions and policy recommendations.
- Project aid flows tend to be associated with a reduction in domestic saving rates. Using Griffin (1970)'s terminology this would mean that project aid flows "displace" domestic savings. Ouattara (2003) and Mavrotas and Ouattara (2003), however, remark that project aid might reduce savings for other reasons than the ones put forward by Griffin (1970). They argue that the financing of recurrent costs of project, recorded as government consumption, by recipient governments would tend to decrease public savings and thus domestic savings, *ceteris paribus*).
- Turning to financial programme aid flows there was no evidence that they have a displacing effect on savings, except in the context of Asia & MENA countries where their impact is significantly negative. Financial programme aid often requires that the recipient undertake some policy measures. One of these measures is the curtailing of the size of the public sector. This would tend to increase public savings and thus domestic savings, *ceteris paribus*. The policy conditions also require that the government remove distortionary taxes which would tend to reduce its revenue and thus public savings. In other words, the reduction in government consumption tends to be neutralised by a reduction in government revenue. This could explain why the impact of financial



programme aid is positive but insignificant in all cases, except in the context of Asia&MENA countries.

- Food aid (for programme), which excludes emergency and relief food aid, exert a negative and significant impact on domestic savings in all cases, except in LAM countries where its impact is positively significant.
- Technical assistance grants are associated with increases in domestic savings. Its impact appears to be more significant in the context of SSA countries.

The findings in this paper have several implications. Firstly, they suggest that donors might need to rethink aid policies based on previous aid effectiveness studies and in particular on the issue of aid selectivity, which has gain popularity among many donors. As this paper shows, different categories of aid exert different macroeconomic impacts and failing to recognise this can leads to disastrous policies. Rather than curtailing aid, altogether, they need to cut back the type of aid that has the least effect in individual recipient countries. This requires a careful appraisal of the country concerned and identify their individual needs and macroeconomic objectives. This might appear to be time consuming but given the amount of money involved in aid activities this channel may be worth exploring, in order to make aid work better.

As for the recipient countries the message is that they need to be more transparent and work in partnership with donors. This would mean that they need to help donors identify the type of aid that is likely to work given their economic condition. This can help avoid ineffective aid and unnecessary debt burden.

Finally, for researchers there is a need to carry out more empirical work based on the functional classification of aid flows. The present study can be

extended to look at the influence of each type of aid on public and private savings, separately. Empirical work can also look at the response of domestic, private and public investment and economic growth vis-à-vis these flows. Furthermore, and perhaps more importantly, empirical work on aid effectiveness should seek to look at how different categories of aid affect various poverty indicators. Also, it is important to stress that, although panel data studies are useful it might be worth looking at country level studies. Looking at the results presented in this paper clearly shows that the impact of aid categories on savings varies according to the region, which might be the case for individual countries.

We hope the new database, provided in this paper, will add a new dimension in the aid effectiveness literature and improve our overall understanding of the working of development aid in developing countries. This is quite important at the time where effort is geared towards achieving the millennium development goals and targets.

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## Appendix

**Table 1 PJAD (millions of US) 1973-1990**

<i>Country</i>	<i>1973</i>	<i>1974</i>	<i>1975</i>	<i>1976</i>	<i>1977</i>	<i>1978</i>	<i>1979</i>	<i>1980</i>	<i>1981</i>	<i>1982</i>	<i>1983</i>	<i>1984</i>	<i>1985</i>	<i>1986</i>	<i>1987</i>	<i>1988</i>	<i>1989</i>	<i>1990</i>
Afghanistan	24.63	18.66	46.78	51.90	51.62	53.38	69.21		8.31		-1.66	-5.73	1.36	-8.53	10.36	16.51	63.63	68.89
Albania																		
Algeria	38.21	59.61	108.59	62.51	49.00	52.05	21.57	85.52	87.50	75.16	43.07	71.77	125.42	43.83	138.52	103.36	61.50	155.50
Angola	0.08			8.07	15.40	14.83	18.17	21.10	21.64	30.89	36.58	49.64	53.44	78.58	94.20	110.58	107.84	198.09
Argentina	32.92	23.85	13.45	14.48	9.98	8.55	13.71	-14.26	13.66	2.96	19.16	20.35	7.28	23.03	25.39	71.27	79.20	52.82
Armenia																		
Aruba														38.66	17.15	14.86	22.32	27.69
Azerbaijan																		
Bahamas	0.00					0.02		0.17		1.05	0.19		-0.09		0.18	3.41		2.21
Bahrain										90.17								
Bangladesh	165.13	139.69	316.98	255.35	340.00	453.81	678.47	839.39	612.37	879.47	717.26	662.35	731.89	863.07	1302.83	1094.74	1404.25	1493.36
Barbados	3.71	2.32	1.54	4.35	3.69	8.55	8.63	11.20	14.99	10.30	8.04	6.64	4.43	2.03	3.51	0.62	0.22	0.50
Belize	3.39	4.89	7.01	9.94	7.32	16.39	18.94	12.25	9.31	3.89	11.51	2.45	6.17	12.04	12.03	12.01	12.91	17.59
Benin	15.41	14.65	32.87	34.38	35.20	44.01	63.30	62.64	55.29	51.14	58.68	46.53	62.17	83.75	82.57	99.28	98.37	139.24
Bhutan	0.32	0.08	0.20	0.43	0.83	0.92	0.97	2.34	2.39	5.08	5.82	9.14	13.75	29.38	32.07	23.96	22.58	23.23
Bolivia	17.00	46.86	40.53	45.68	67.77	114.16	114.29	96.72	89.21	46.40	108.65	98.96	72.35	95.34	118.48	244.43	339.22	367.34
Botswana	28.48	25.04	37.55	32.16	29.27	45.98	56.45	54.73	48.94	56.78	55.66	57.80	56.17	55.35	87.90	77.83	99.34	87.04
Brazil	61.34	115.00	122.66	70.90	36.11	56.83	42.62	2.66	153.53	131.96	28.03	69.05	46.62	65.11	165.21	70.09	67.42	10.06
Brunei																		
Burkina Faso	11.54	35.09	53.79	44.86	70.00	99.99	110.69	120.74	125.75	131.07	106.07	101.12	114.64	145.03	150.34	131.42	159.84	192.06
Burundi	10.94	19.69	24.98	21.54	21.80	43.98	54.80	71.54	74.94	75.13	92.20	89.51	91.77	51.58	121.61	75.02	143.38	160.34
Cambodia	0.33	0.38						116.43				3.28			5.98		12.78	22.55
Cameroon	30.12	26.53	62.58	86.09	131.55	126.41	212.01	178.88	115.08	146.42	68.94	115.85	78.47	78.10	111.00	93.21	209.30	229.09
Cape Verde			3.88	11.06	10.28	19.37	12.40	20.15	29.27	17.79	27.05	34.17	29.03	46.39	49.94	53.42	25.16	82.76
Central African Rep.	13.50	21.73	37.32	19.91	24.04	26.59	50.33	41.01	67.58	57.23	60.64	86.48	67.40	57.84	124.25	87.65	76.68	139.61
Chad	5.64	23.71	44.04	39.48	53.93	84.82	35.19	12.93	42.75	40.55	60.70	61.28	88.76	96.49	139.82	166.87	165.05	249.30
Chile	1.17	2.63	6.84	-11.43	-14.03	-15.24	-28.13	-9.47	-8.31	-26.89	-7.14	-10.52	1.15	-7.46	-26.60	-5.96	11.67	29.15
China							3.55	17.90	243.62	335.28	492.19	579.73	808.06	902.41	1069.62	1587.33	1721.31	1699.95
Colombia	101.60	68.28	44.56	45.37	15.84	36.62	17.50	43.68	54.84	53.07	43.52	46.77	20.45	8.97	-1.38	-11.60	-4.97	9.54
Comoros	9.03	13.90	14.66		9.51	11.69	13.50	33.24	33.14	27.58	26.89	29.75	23.23	25.37	27.61	27.77	24.01	21.12
Congo - Rep.	10.28	22.17	32.31	37.40	23.01	51.96	55.56	54.97	50.28	59.62	75.83	62.32	37.93	37.78	43.68	48.14	54.13	63.43
Congo Dem.Rep. (Zaire)	49.67	75.08	46.74	58.28	62.46	112.59	184.23	195.54	144.41	192.65	173.50	169.50	174.03	235.04	340.21	320.92	460.91	589.31
Costa Rica	14.56	14.93	15.34	14.60	14.18	39.99	44.80	50.24	37.34	37.39	45.22	28.15	95.94	32.89	53.26	39.43	33.26	99.04
Cote d'Ivoire	26.94	29.99	45.42	38.45	44.64	69.21	74.33	104.16	60.87	79.07	70.98	43.34	64.14	87.52	92.67	236.14	52.48	155.37
Croatia																		
Cuba	1.20	11.09	12.39	32.98	36.83	40.72	3.29	27.58	10.45	11.78	7.88	7.11	12.47	11.09	25.28	0.62	45.69	42.56



**Table 1 PJAD (millions of US) 1973-1990**

Cyprus	0.49	1.72		18.15	31.89		19.13	30.65	25.39	15.09	8.90	5.75	27.16	28.23	27.56	21.60	24.49	18.72
Djibouti	9.90	15.36	23.27	14.06	31.05	67.49	3.61	36.55	26.89	22.26	32.55	66.45	49.41	48.92	65.62	50.84	40.27	144.76
Dominica	0.09	2.95	7.30	3.85	3.52	1.98	0.65	11.18	11.87	15.00	7.19	12.93	14.30	9.74	10.85	14.42	20.66	10.39
Dominican Republic	14.77	15.70	26.30	28.46	26.10	41.45	63.20	79.13	67.72	71.61	79.66	100.81	140.13	53.59	50.42	40.68	62.39	54.06
Ecuador	22.48	30.38	50.40	57.57	39.86	25.94	47.87	18.10	28.27	23.10	31.91	94.38	80.63	77.99	132.70	105.19	91.98	92.69
Egypt	439.89	377.50	542.19	804.94	881.83	1222.59	552.78	723.22	648.14	585.02	561.01	398.84	556.85	629.02	768.03	701.71	613.14	2286.47
El Salvador	17.23	22.19	29.94	22.56	36.50	46.52	46.55	83.04	106.14	155.13	226.35	169.30	159.48	111.06	177.37	166.78	138.64	94.07
Equatorial Guinea	0.00						0.43		5.67	7.59	6.81	8.16	10.89	6.14	44.18	30.25	29.16	38.34
Eritrea																		
Ethiopia	30.28	60.08	92.37	99.27	78.72	105.87	118.34	125.95	153.11	126.76	251.55	207.48	366.89	285.60	377.85	573.65	490.31	560.15
Country	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Fiji	6.60	4.78	9.81	1.15	11.56	12.12	16.56	14.88	19.79	14.11	14.58	10.70	15.27	16.19	12.65	11.69	12.81	14.26
French Polynesia	30.43	21.56	35.54	39.71	-0.08	33.70	42.64	60.00	43.10	46.42	47.49	57.64	36.64		64.81	56.20	43.11	95.66
Gabon	25.86	11.55	40.67	10.15	3.25	5.82	12.32	18.26	15.52	32.30	39.66	45.62	29.13	45.42	42.17	30.83	20.83	96.51
Gambia	2.97	5.01	5.14	6.22	15.66	24.34	24.37	37.55	48.12	29.43	24.80	32.68	19.37	47.26	54.06	44.46	45.39	59.14
Georgia																		
Ghana	13.29	15.57	88.31	33.16	55.96	5.61	80.44	124.44	62.42	68.05	56.21	156.64	107.51	173.97	213.10	416.35	424.53	407.69
Grenada	0.05	1.39	2.29	2.00	3.03	2.10	1.83	2.39	4.64	4.68	5.63	17.52	11.39	11.15	11.15	14.97	8.31	9.51
Guatemala	16.96	16.08	27.49	53.01	42.39	55.31	32.54	30.43	53.49	45.97	48.20	34.39	40.95	33.89	90.23	63.37	110.41	68.90
Guinea	0.04	5.24	15.11	0.05	14.59	46.80	38.96	58.36	68.96	87.63	45.78	94.72	75.55	71.71	171.38	159.28	262.90	228.90
Guinea-Bissau			15.10	14.29	27.28	28.09	36.21	27.83	33.32	43.71	42.35	30.67	25.42	25.78	62.00	58.29	63.96	103.94
Guyana	5.17	8.42	5.51	12.84	9.07	21.76	14.22	24.98	44.97	30.46	25.39	14.86	22.96	17.37	12.36	14.41	18.69	78.96
Haiti	1.12	6.78	43.96	40.77	67.46	58.14	55.91	41.94	55.65	75.39	88.37	82.41	81.68	70.91	96.40	61.41	110.95	84.50
Honduras	7.03	17.61	32.22	28.69	41.33	75.38	78.07	80.50	77.58	82.04	101.15	169.89	105.44	128.30	122.33	148.14	108.12	159.53
India	472.62	635.13	921.91	906.60	642.24	900.28	994.80	1875.95	1589.37	1317.06	1419.48	1353.18	1273.11	1549.65	1335.77	1433.76	1244.33	988.55
Indonesia	359.33	486.81	439.20	344.17	311.09	415.41	492.56	675.40	739.73	657.32	460.68	444.85	362.29	392.89	822.10	796.35	1064.78	1055.78
Iran	-17.49	-8.77		-21.98	14.05			10.76						1.20				7.77
Iraq	7.48		60.60		72.32	51.44	15.86		3.38	-1.79		-6.25	16.23					-7.90
Israel	87.41	53.58	372.64	59.33	109.30	208.37	109.70	112.67	39.30	102.50	51.05	113.33	41.89	69.37	90.43	221.81	198.97	98.02
Jamaica	9.53	17.39	11.43	10.51	14.26	28.59	69.12	30.52	37.46	76.70	139.70	90.46	128.86	99.91	69.10	97.79	106.65	127.97
Jordan	76.48	162.90	315.20	409.66	304.55	388.22	1158.87	929.24	869.52	768.08	748.39	658.68	295.25	248.16	245.83	261.32	190.32	170.19
Kenya	34.95	63.80	68.32	70.16	86.33	164.03	229.57	218.23	245.97	250.84	221.94	226.98	243.27	246.70	372.14	534.79	810.70	880.52
Kiribati	3.91	3.41	3.42	1.31	3.43	6.82	4.19	7.83	5.54	5.89	8.22	5.46	6.16	7.82	1.79	5.01	8.57	12.28
Korea	108.15	145.84	227.52	95.03	134.37	108.49	20.79	43.96	75.21	3.27	-21.76	-66.42	-42.73	-61.90	-55.83	-62.60	-22.74	-48.44
Kyrgyz Rep.																		
Lebanon	0.05	11.75			49.81	9.74	7.73	155.13	378.31	79.71	64.76	20.82	38.17	24.99	24.22	61.27	37.60	128.19
Lesotho	8.53	8.96	15.69	18.17	26.32	34.64	39.48	49.00	59.82	51.28	56.91	55.94	59.33	41.84	60.07	56.18	86.95	95.78

**Table 1 PJAD (millions of US) 1973-1990**

Liberia	0.53	4.79	8.38	16.03	21.18	26.55	61.61	44.48	33.70	45.94	35.18	57.83	24.30	29.22	26.59	16.11	12.95	38.08
Libya	0.23																	0.04
Madagascar	29.40	34.86	51.63	33.47	35.05	65.91	90.66	165.60	149.13	138.19	122.35	89.09	136.05	206.09	153.32	117.71	218.30	309.17
Malawi	15.21	27.04	47.51	37.84	61.74	74.49	102.32	83.01	97.10	83.94	81.54	88.83	59.43	107.39	177.37	143.53	264.67	325.81
Malaysia	25.89	45.40	74.13	40.74	44.10	48.74	67.83	80.90	70.82	77.91	123.24	243.01	135.57	90.94	258.46	-19.77	28.61	343.78
Maldives				1.26	1.54	6.41	4.13	15.99	7.29	1.86	6.88	1.79	2.39	9.18	9.33	19.51	17.09	13.85
Mali	35.43	36.93	108.89	62.61	85.22	108.09	117.53	179.69	148.96	151.21	141.91	209.46	267.94	236.21	200.11	229.95	275.90	305.57
Malta	2.23	0.65	6.45		13.28		45.11	10.43	27.28	6.54	2.03	6.50	0.23	3.34			-8.38	
Marshall Islands																		
Mauritania	11.11	47.21	33.18	161.61	83.90	160.36	111.04	118.33	136.34	130.23	97.57	76.51	119.05	126.73	84.24	105.78	190.77	173.39
Mauritius	7.97	5.88	20.06	10.13	12.38	9.71	16.67	20.39	34.54	29.47	23.12	23.00	15.92	37.98	32.39	35.35	38.23	66.51
Mayotte					3.96						7.69	7.76	12.95		24.84		27.89	
Mexico	51.63	40.76	39.34	45.12	31.23	-5.23	47.23	11.70	56.45	106.92	68.26	38.82	43.96	116.47	42.00	104.45	28.98	78.74
Moldova																		
Mongolia													-0.30			0.50	0.38	1.30
Morocco	13.92	34.03	168.79	112.22	423.48	244.40	253.56	523.67	699.60	377.84	213.10	171.53	374.59	194.25	146.41	221.26	241.72	596.40
Mozambique	0.06		8.70	21.22	37.74	29.64	51.14	95.34	67.65	115.96	72.63	109.83	101.88	246.59	337.56	614.12	489.44	749.85
Myanmar (Burma)	48.93	45.70	31.35	53.19	76.26	177.49	283.50	275.72	216.06	242.30	255.81	166.76	274.92	259.78	205.24	382.80	144.52	129.28
Namibia											0.00		-0.42	5.17		2.77	29.91	90.31
Nepal	18.61	14.54	20.70	29.61	53.40	44.43	93.17	107.43	127.52	132.22	128.26	126.48	162.34	211.38	236.84	303.74	349.03	306.92
Country	1973.00	1974.00	1975.00	1976.00	1977.00	1978.00	1979.00	1980.00	1981.00	1982.00	1983.00	1984.00	1985.00	1986.00	1987.00	1988.00	1989.00	1990.00
Netherlands Antilles	19.12	25.42	29.41		38.84	43.18		89.63	66.92	58.26	59.50	58.73	59.22	53.18	58.12	44.97	54.81	50.66
New Caledonia	52.40	46.35	28.70	19.10	28.37	41.67	73.05	77.32	49.47	39.91	53.35	27.80	29.16	20.46	71.82	128.62	134.66	196.20
Nicaragua	15.96	39.85	35.18	29.79	31.08	34.80	72.63	161.98	98.61	70.57	78.33	74.53	60.59	93.58	99.53	154.63	184.58	149.64
Niger	18.80	30.89	79.19	92.88	63.96	97.78	116.07	105.81	125.11	180.64	107.35	83.20	163.56	152.79	169.96	219.03	193.34	220.36
Nigeria	12.57	25.66	40.95	22.19	10.68	5.49	-14.42	-11.83	-6.26	-6.26	2.60	-5.84	-7.89	11.64	15.27	45.06	107.00	111.59
Oman									225.02	62.50	53.78	48.51	51.57	55.32	5.29	-8.24	1.89	48.28
Pakistan	90.76	239.59	271.21	494.26	353.47	457.46	547.87	820.24	526.82	515.62	507.04	502.43	473.71	638.50	530.53	850.89	1053.77	680.23
Palau																		
Panama	19.59	20.35	28.26	36.27	31.57	22.53	28.49	36.26	28.40	28.99	26.84	55.41	23.07	24.94	19.84	7.22	5.42	115.70
Papua New Guinea	107.72	88.20	20.88	25.57	22.38	43.99	25.87	35.12	49.55	42.03	64.88	39.70	3.05	16.01	82.35	57.78	292.95	207.43
Paraguay	15.92	28.09	26.47	32.06	37.69	30.17	17.80	9.90	32.06	64.33	30.62	14.28	27.17	37.03	48.89	38.76	59.12	17.29
Peru	57.23	34.63	34.21	37.84	56.10	49.64	102.89	111.01	132.62	97.55	149.72	91.42	168.49	92.40	134.63	94.23	175.55	126.22
Philippines	83.57	112.18	96.75	114.18	82.43	186.47	196.35	212.58	275.42	228.82	241.98	120.26	233.52	223.89	290.01	512.71	510.43	959.27
Rwanda	18.83	19.54	57.91	46.63	52.57	82.05	92.30	97.88	94.73	88.92	79.05	99.08	110.13	134.11	148.93	119.64	132.24	159.31
Saudi Arabia	0.00					0.32	4.74	4.01	12.12	31.78	27.55	19.68	9.51	12.51				
Senegal	30.95	68.13	69.67	61.27	60.12	113.18	174.73	109.65	216.31	149.27	197.36	195.29	153.50	249.43	318.13	287.85	368.89	353.46

**Table 1 PJAD (millions of US) 1973-1990**

Seychelles	1.05	5.05		3.88	5.48	10.29	11.49	12.12	7.42	9.88	6.06	4.35	13.27	14.48	10.98	3.88	8.47	21.01
Sierra Leone	6.19		10.13	4.71	15.21	25.39	26.56	57.71	35.63	42.21	37.83	30.41	31.76	20.86	28.26	47.67	66.28	5.08
Singapore	18.37	13.48	5.91		6.26	-4.85	-7.20	-3.85	-1.34	-0.40	-5.31	16.88	0.53	2.30	-4.93	-7.60	69.46	-29.04
Slovenia																		
Solomon Islands	5.58	6.61	16.51	14.40	9.40	16.65	13.65	30.40	16.69	14.69	17.93	10.83	10.20	18.65	24.15	27.35	30.05	24.08
Somalia	26.66	56.39	61.64	84.55	129.93	142.74	130.28	214.58	133.49	194.27	164.41	191.23	121.31	265.28	372.92	278.07	249.92	396.72
South Africa																		
Sri Lanka	21.51	19.98	78.43	35.27	120.94	173.55	236.03	285.29	288.97	283.99	342.90	306.05	355.59	414.62	336.77	493.25	456.43	537.27
St. Lucia	0.09	6.43	6.60	5.39	3.56	2.76		6.91	9.13	6.40	4.69	4.65	4.77	7.39	8.53	14.71	15.23	8.93
Sudan	12.68	100.18	192.54	200.15	201.55	235.91	409.53	439.68	342.64	342.91	496.75	233.92	401.58	438.54	514.46	615.86	466.28	534.51
Suriname	27.53	43.24	47.37	99.63	85.92	60.85	87.61	76.10	91.94	97.91	-0.62	3.22	7.44	11.79		1.35	1.14	49.99
Swaziland	3.44	8.58	7.26	3.03	19.71	34.14	3.39	26.49	15.59	7.34	14.93	14.20	7.58	11.99	22.86	8.58	3.69	26.68
Syria	280.62	335.37	397.89	355.86	474.96	531.57	1017.77	1648.01	1309.72	940.90	132.73	617.77	421.71	305.28	570.96	145.62	101.82	639.72
Tajikistan																		
Tanzania	56.54	88.32	166.10	166.14	218.63	265.51	402.16	345.23	303.63	425.54	349.38	333.74	278.40	398.16	552.52	531.02	637.81	872.93
Thailand	20.13	30.48	40.31	127.07	77.19	177.59	293.33	310.82	275.77	264.54	285.69	316.92	308.46	300.18	276.26	300.04	449.36	566.51
Togo	12.22	19.59	24.86	25.96	45.05	80.20	79.48	60.94	30.39	45.64	60.99	72.07	77.60	72.88	72.93	63.91	144.04	115.76
Tonga	0.76	1.11		2.63	4.70	5.88	18.10	10.46	11.19	10.68	8.73	9.29	6.31	4.81	10.38	10.13	10.53	18.80
Trinidad & Tobago	2.28	3.53	3.04	2.69	3.19	1.65			-6.63	1.50	0.72	0.78	2.76	15.54	30.82	3.45	0.22	13.35
Tunisia	48.05	83.41	126.47	146.08	174.64	200.01	116.93	147.35	163.27	159.72	73.59	81.25	97.81	123.31	136.74	116.64	98.03	208.11
Turkey	29.31	30.58	31.29	101.51	39.04	73.73	255.49	251.32	224.35	80.04	52.73	141.69	97.11	170.24	247.74	142.77	28.44	180.89
Turkmenistan																		
Uganda	9.26	9.48		13.50		15.12	28.69	22.92	74.66	49.89	90.49	97.27	137.26	98.55	208.47	212.63	265.54	521.42
United Arab Emirates	0.51			33.73				0.07	-3.86	0.50	0.28	0.19	0.73		110.03			
Uruguay	1.26	5.58	5.48			4.44	7.84	0.83	-1.53	-1.34	-5.10	-3.96	-3.65	5.98	0.10	21.37	16.11	19.96
Uzbekistan																		
Vanuatu	2.28	3.82	10.47	16.48	3.30	3.61	5.69	7.33	10.03	6.48	8.64	2.86	8.56	8.58	9.24	14.75	21.75	27.58
Venezuela	5.79								-3.45	-6.79	-9.16		-3.54	-3.65	-4.31	3.66	38.84	53.04
Yemen	42.44	119.22	199.19	390.45	340.20	318.64	287.53	503.34	403.77	475.79	358.47	342.93	291.27	215.27	248.01	171.71	234.65	264.14
Zambia	17.86	22.92	27.79	2.19	25.42	84.09	108.19	187.71	106.45	202.18	94.39	117.62	199.86	202.16	281.05	318.41	219.82	264.64
Zimbabwe								55.52	69.54	120.93	109.42	159.38	113.84	141.45	175.24	132.39	133.07	214.74

**Table 1 (cont'd) PJAD (millions of US) 1991-2001**

<i>Country</i>	<i>1991</i>	<i>1992</i>	<i>1993</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>
Afghanistan	417.16	99.75	130.26	173.60	121.46	123.45	107.90	121.93	63.75	109.14	350.18
Albania	2.48	315.37	259.87	133.93	144.99	173.42	131.23	213.10	385.77	262.91	192.53
Algeria	161.08	73.19	151.41	108.31	203.10	102.90	135.40	258.60	-3.36	84.05	102.79
Angola	212.60	254.59	209.50	313.05	305.80	320.81	274.21	245.95	302.03	198.75	172.66
Argentina	178.25	180.57	145.68	53.75	59.08	49.85	21.57	12.89	9.03	-0.66	85.86
Armenia			50.20	176.44	135.60	100.29	92.81	162.07	134.21	106.58	119.03
Aruba	24.96	26.97	24.60	18.14	25.64	19.40		10.66			
Azerbaijan			71.70	140.29	90.85	78.19	65.55	88.29	137.40	98.96	171.43
Bahamas			0.34	0.10	3.19						
Bahrain				42.57	46.81	78.67	90.04	45.86	1.94	35.63	16.23
Bangladesh	1465.41	1366.06	1010.75	1405.28	957.94	910.19	754.67	928.95	917.11	895.62	709.32
Barbados	-1.13	-2.61	1.72	-2.88	-2.59	2.78	2.54	14.39	-3.81	-0.98	-4.57
Belize	7.04	12.09	14.82	20.16	6.66	9.36	7.17	11.69	41.94	10.06	15.14
Benin	113.71	172.94	194.48	171.14	158.09	179.74	123.69	110.19	129.47	151.74	197.11
Bhutan	43.61	34.55	38.72	47.06	44.77	30.33	45.87	35.96	44.44	31.34	42.06
Bolivia	279.20	447.54	346.10	350.49	420.40	633.19	455.14	425.93	355.36	295.70	451.16
Botswana	76.50	54.65	73.03	40.66	38.72	37.56	80.66	74.58	33.58	12.47	11.26
Brazil	3.67	-430.01	16.51	57.12	33.95	41.38	57.41	98.43	-84.41	45.38	60.23
Brunei				0.29	0.08						
Burkina Faso	166.85	269.71	279.80	221.58	256.58	249.95	252.97	265.53	261.23	229.23	276.44
Burundi	141.02	152.95	144.59	163.29	239.16	67.26	36.79	41.68	51.58	64.75	115.76
Cambodia	32.52	96.56	159.18	183.74	380.10	257.54	211.79	210.23	182.89	269.15	258.21
Cameroon	230.61	224.25	158.56	104.87	225.57	115.03	225.60	364.39	254.06	255.19	267.31
Cape Verde	34.79	70.45	70.72	65.95	67.21	58.81	68.97	53.26	83.70	42.89	24.51
Central African Rep.	77.00	107.06	107.69	84.71	121.75	122.51	60.58	72.26	73.31	37.21	51.22
Chad	141.75	152.83	153.62	105.68	141.94	161.00	108.50	101.47	136.49	90.55	100.35
Chile	39.50	41.03	85.47	63.15	60.05	104.51	50.34	33.95	7.07	-7.19	-0.82
China	1598.35	2590.35	2764.87	2741.69	2962.16	2091.82	1537.67	1911.72	1769.77	1178.92	942.55
Colombia	24.86	114.10	8.44	-6.83	72.98	97.33	115.70	50.54	78.18	4.13	19.60
Comoros	24.58	13.69	12.51	19.79	24.40	21.84	14.84	18.38	9.77	7.56	19.23
Congo - Rep.	77.16	20.18	77.43	49.62	60.95	39.52	239.08	26.49	111.38	10.95	51.90
Congo Dem.Rep. (Zaire)	363.73	132.40	118.25	204.67	137.43	107.16	108.29	83.61	66.43	123.50	167.79
Costa Rica	94.82	37.54	18.53	18.48	-42.66	-69.60	-51.77	-20.23	-31.77	-12.06	-39.57
Cote d'Ivoire	245.45	203.73	200.36	586.31	677.78	711.57	332.76	764.45	328.14	181.99	99.40
Croatia		0.01		22.95	24.98	102.62	21.16	16.85	16.62	35.02	69.03
Cuba	24.23	11.63	15.13	18.84	36.18	36.29	50.30	52.12	40.26	26.26	31.61

**Table 1 (cont'd) PJAD (millions of US) 1991-2001**

Cyprus	22.58	9.55	7.11	15.57	9.32	5.61						
Djibouti	54.55	63.48	88.67	67.10	51.25	31.40	45.07	39.61	42.40	34.08	27.92	
Dominica	12.53	7.75	6.82	7.44	5.65	22.19	10.29	0.98	6.13	4.33	15.98	
Dominican Republic	16.21	9.25	-47.34	15.37	68.70	49.28	22.57	75.96	133.46	-0.95	32.25	
Ecuador	162.11	162.52	139.77	114.04	117.21	154.55	68.46	93.84	64.07	48.63	70.20	
Egypt	2887.04	2641.49	1394.54	2047.77	1250.56	1533.68	1089.71	1200.43	810.94	855.99	428.86	
El Salvador	97.50	240.37	211.50	115.17	137.46	180.70	144.37	103.37	94.73	94.12	130.73	
Equatorial Guinea	23.69	29.52	29.52	14.41	5.43	9.64	11.96	8.51	9.28	13.38	8.02	
Eritrea			54.57	84.31	88.81	92.19	86.50	120.73	112.35	145.37	132.76	
Ethiopia	267.31	711.23	382.83	672.75	563.79	576.60	401.98	495.47	322.13	498.10	699.06	
Fiji	10.11	20.47	25.63	7.25	13.91	12.83	11.35	11.10	6.75	7.21	3.60	
French Polynesia	90.17	118.65	111.27	126.91	150.78	106.39	83.54	70.37	54.14			
Gabon	43.01	20.04	34.58	80.58	31.05	15.00	2.98	9.16	12.57	-14.14	-16.53	
Gambia	66.53	70.02	53.18	45.84	23.85	19.26	24.75	25.25	20.39	25.47	36.99	
Georgia			99.92	170.90	168.22	146.75	136.23	167.89	176.23	78.98	173.61	
Ghana	415.63	437.27	482.48	401.56	468.77	524.28	358.29	541.51	407.26	361.78	458.81	
Grenada	8.49	7.64	2.29	7.80	5.19	5.67	5.62	1.25	8.71	11.36	9.88	
Guatemala	73.32	94.05	107.83	123.25	118.50	114.32	157.75	130.74	185.42	151.54	85.72	
Guinea	298.66	341.54	306.44	262.87	297.88	229.58	316.48	243.22	175.85	95.51	192.36	
Guinea-Bissau	72.75	58.43	39.35	132.18	71.48	139.95	81.98	45.60	37.85	49.83	43.34	
Guyana	58.31	65.14	82.13	56.40	57.70	116.35	213.76	77.16	52.75	85.26	57.99	
Haiti	87.20	37.79	68.16	332.15	537.79	243.53	192.85	305.08	116.03	79.57	54.00	
Honduras	197.91	291.46	247.18	240.41	304.41	276.75	219.84	249.12	678.17	306.06	425.91	
India	1854.74	1940.70	1029.74	1919.86	1301.77	1476.27	1311.52	1292.79	1106.90	1104.72	1281.79	
Indonesia	1129.63	1256.89	1382.79	1083.46	847.21	659.45	474.75	558.59	979.30	608.68	1049.28	
Iran	36.62	-3.48	27.11	37.82	85.48	66.90	118.92	70.50	76.31	65.88	54.31	
Iraq	186.57	26.19	64.79	212.38	293.59	321.95	155.97	92.33	88.32	91.39	112.43	
Israel	80.11	2011.24	115.82	1183.28	260.64	118.77						
Jamaica	75.96	47.34	59.90	46.55	36.90	19.76	32.60	-11.85	-25.53	-18.03	11.40	
Jordan	35.85	64.90	117.80	139.62	167.80	332.58	317.45	328.76	230.97	355.15	194.95	
Kenya	631.97	580.89	532.79	402.93	478.26	312.23	263.55	254.45	165.43	277.49	305.74	
Kiribati	9.50	14.69	8.32	5.79	5.10	6.20	7.96	8.51	12.25	8.79	4.17	
Korea	-40.54	-121.42	-190.16	-229.67	-86.97	-293.66	-264.39	-91.59	-197.02			
Kyrgyz Rep.			53.21	137.18	228.56	186.27	203.64	195.71	171.57	156.68	135.29	
Lebanon	39.64	33.61	60.36	136.76	91.24	134.62	205.97	192.31	134.88	106.73	149.37	
Lesotho	74.97	87.19	96.99	64.07	63.82	60.67	58.87	43.39	18.41	25.41	31.37	
Liberia	0.06	89.49	99.18	6.25	44.36	141.65	56.39	53.94	54.86	34.21	15.28	

**Table 1 (cont'd) PJAD (millions of US) 1991-2001**

Libya	3.96			1.65	1.21	1.68	1.64	1.59	1.34		
Madagascar	280.96	238.04	228.11	170.61	174.18	227.17	426.08	358.39	194.11	199.16	259.90
Malawi	364.68	456.65	308.07	287.37	249.29	287.42	224.46	260.47	294.59	241.54	265.28
Malaysia	161.87	83.25	-30.03	-47.33	-11.73	-556.55	-326.73	127.99	55.43	-36.65	-41.40
Maldives	20.48	26.09	17.72	21.02	44.04	22.29	17.94	17.35	21.34	11.10	15.57
Mali	199.86	237.36	175.22	270.95	302.48	320.37	273.41	208.94	206.73	215.21	227.54
Malta	18.39	2.35	21.92	41.02	7.42	70.24	20.94	9.31	23.34	19.87	0.35
Marshall Islands		5.43	30.31	45.59	35.93	67.28	60.74	46.83	59.82	15.97	27.71
Mauritania	143.73	124.55	171.32	199.22	138.65	214.39	194.68	104.12	169.92	156.43	200.21
Mauritius	46.08	24.78	7.97	-6.76	-1.04	-3.68	19.84	23.50	23.97	4.69	5.83
Mayotte		50.05	55.85		71.55	84.63	62.76	16.46	65.24	47.71	66.35
Mexico	168.58	200.52	306.86	321.19	262.94	154.83		3.55	-66.21	-67.80	-164.58
Moldova								21.96	19.79	57.89	64.42
Mongolia	27.17	70.14	65.66	126.48	147.73	147.12	180.55	127.94	132.01	133.22	142.09
Morocco	842.82	696.48	472.66	368.35	210.49	399.85	228.43	272.58	447.67	209.48	299.41
Mozambique	776.77	1038.98	796.72	692.18	685.88	548.42	704.01	597.21	584.69	495.04	689.57
Myanmar (Burma)	140.36	84.09	71.55	138.06	105.95	8.16	18.05	37.40	40.06	55.58	70.47
Namibia	145.53	79.84	89.25	68.49	117.01	118.98	89.54	122.09	123.81	106.27	60.70
Nepal	331.16	301.31	216.00	303.12	279.50	248.23	268.25	251.40	243.48	278.13	265.40
Netherlands Antilles	81.98	73.56	79.11	37.34	92.47	119.73	109.94	127.79	125.88		
New Caledonia	176.10	222.53	236.62	261.12	270.92	222.96	151.87	145.90	122.09		
Nicaragua	572.38	401.35	194.36	346.74	453.00	803.97	275.06	487.57	534.84	406.28	748.27
Niger	222.11	166.31	133.76	199.25	154.09	137.44	200.99	183.35	105.48	129.86	161.19
Nigeria	165.97	154.58	192.38	112.27	133.13	106.29	96.75	152.37	105.72	104.05	79.24
Oman	-2.01	15.52		73.60	41.40	44.47	46.55	19.25	26.66	30.27	-8.85
Pakistan	1041.44	620.36	661.34	1268.97	622.33	721.03	449.40	916.78	533.46	595.12	796.82
Palau				200.45	140.92	60.64	35.85	86.61	25.18	8.17	15.98
Panama	66.78	20.76	35.44	3.69	-2.92	19.83	21.12	-4.93	-8.85	-6.57	0.05
Papua New Guinea	290.96	254.14	81.95	134.52	158.93	171.36	176.62	248.90	111.34	112.38	69.74
Paraguay	101.13	40.22	71.72	41.24	76.02	35.18	57.58	34.22	26.00	25.47	15.04
Peru	112.42	125.54	274.48	235.76	192.16	203.46	240.15	284.98	222.12	228.52	172.52
Philippines	570.41	950.01	989.51	719.16	502.09	611.53	449.78	392.75	422.98	336.10	347.57
Rwanda	152.90	162.50	247.96	451.67	293.77	336.75	162.85	168.80	260.56	160.56	209.12
Saudi Arabia	0.27			0.01	1.84	2.43	-9.35	1.47	1.85	1.29	1.96
Senegal	427.42	412.45	275.95	284.75	417.03	386.35	251.99	308.36	366.80	288.69	276.16
Seychelles	9.11	7.03	9.64	5.00	3.14	8.67	9.71	18.39	7.95	14.83	9.89
Sierra Leone	69.37	51.18	128.88	181.84	153.85	132.11	85.55	55.77	37.22	101.40	224.44

**Table 1 (cont'd) PJAD (millions of US) 1991-2001**

Singapore	-20.47	-6.94	-3.68	-5.72	-6.46						
Slovenia			7.14	25.91	35.87	67.48	90.65	28.32	20.59	55.28	119.23
Solomon Islands	8.46	23.15	34.68	21.90	19.83	21.06	22.73	24.50	20.12	28.46	39.42
Somalia	143.70	242.56	798.38	490.59	130.40	53.38	54.42	59.63	90.26	73.02	111.78
South Africa			134.75	145.94	161.81	156.59	251.89	303.47	324.37	262.85	206.96
Sri Lanka	670.03	490.48	532.72	487.85	399.05	389.34	229.92	338.68	173.96	193.08	246.64
St. Lucia	18.24	23.35	21.50	12.48	28.75	6.18	21.13	0.59	22.10	1.20	12.79
Sudan	228.23	251.00	296.31	36.67	97.87	118.62	104.11	48.64	136.19	92.99	126.73
Suriname	21.56	12.27	15.03	31.50	32.72	50.19	42.17	33.12	13.86	28.77	2.38
Swaziland	20.99	26.42	24.06	34.35	28.56	7.25	13.83	15.84	13.46	3.67	20.18
Syria	244.27	128.58	197.96	682.30	271.57	145.23	150.25	105.39	183.81	116.35	105.38
Tajikistan				61.80	43.62	84.69	69.73	146.10	91.63	82.79	104.81
Tanzania	747.26	851.66	639.58	626.66	514.94	548.93	524.58	516.23	825.61	689.00	880.23
Thailand	465.60	514.19	345.49	334.38	592.01	599.57	408.26	495.98	692.61	443.11	113.24
Togo	119.64	97.16	58.79	41.61	151.57	85.31	82.78	90.92	41.49	43.79	19.89
Tonga	8.10	7.30	16.75	20.22	22.41	14.30	10.56	9.61	7.58	7.58	7.48
Trinidad & Tobago	-6.40	3.09	-2.02	16.35	2.89	11.20	27.83	10.00	21.47	-6.99	-8.62
Tunisia	146.63	116.45	111.98	14.47	-43.51	19.82	101.58	51.93	147.28	126.52	286.87
Turkey	597.18	89.69	223.13	-15.38	106.97	24.23	-164.64	-105.92	-123.32	189.45	77.83
Turkmenistan				13.28	2.37	12.32	4.54	6.90	8.27	15.53	55.49
Uganda	315.15	476.17	376.38	413.03	546.71	535.10	307.30	410.66	470.11	443.65	630.67
United Arab Emirates				-13.54	-0.93						
Uruguay	25.54	38.32	81.91	42.12	33.42	7.26	8.29	3.65	2.62	2.30	-3.03
Uzbekistan				16.41	51.14	50.77	107.08	122.38	104.29	122.26	92.20
Vanuatu	20.95	14.19	11.60	13.66	23.89	12.43	5.99	18.35	13.15	25.18	10.74
Venezuela	3.25	0.79	7.09	-0.62	8.90	6.55	-20.62	21.47	20.27	40.51	6.04
Yemen	200.43	155.83	200.12	84.79	104.31	184.07	274.26	312.23	323.27	167.90	294.63
Zambia	633.63	538.55	554.72	329.39	1328.00	467.39	474.65	202.11	457.50	585.60	268.89
Zimbabwe	242.24	296.11	226.71	312.40	253.65	235.35	212.74	152.28	148.63	97.37	74.56

**Table 2 PGAD (millions of USD) 1973-1990**

Country	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Afghanistan	8.35	9.89	0.21	2.11	8.00	0.40	0.82		0.00		0.00	0.00	0.00	-2.20	5.26	9.15	20.26	0.34
Albania																		
Algeria	20.62	5.35	0.00	1.08	0.46	0.63	0.14	1.76	0.42	0.00	0.00	0.00	3.58	66.09	3.96	0.00	34.21	0.39
Angola	0.00			3.85	13.55	21.58	14.48	15.84	21.28	9.42	13.25	21.82	12.75	24.18	6.89	4.77	13.21	34.96
Argentina	0.00	0.00	0.00	0.00	0.36	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	52.60	46.56
Armenia																		
Aruba														0.00	0.05	0.07	0.06	0.08
Azerbaijan																		
Bahamas	0.00					0.26		0.00		0.00	0.00		0.00		0.00	0.00		0.00
Bahrain										0.00								
Bangladesh	244.94	354.13	655.40	211.67	398.78	438.22	338.90	282.18	344.92	328.50	151.95	369.92	230.14	406.04	322.39	321.75	189.43	368.16
Barbados	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Belize	0.21	0.02	0.00	0.00	0.70	0.47	0.06	0.00	0.00	4.64	0.00	4.72	8.96	3.27	1.25	0.16	2.61	0.00
Benin	0.87	6.25	1.69	0.57	0.28	0.22	1.05	1.84	1.22	1.54	1.94	1.84	2.18	13.04	2.99	13.10	122.99	79.76
Bhutan	0.00	0.00	0.10	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
Bolivia	0.89	3.78	0.00	0.00	2.48	1.97	9.74	32.21	43.73	74.91	36.54	40.37	81.59	180.29	110.72	90.83	65.97	71.70
Botswana	0.20	2.16	0.00	0.00	0.23	0.00	6.93	3.83	0.00	1.92	7.47	10.08	3.42	3.57	18.19	7.60	1.96	0.73
Brazil	10.25	9.29	0.05	0.20	0.10	0.41	0.35	0.01	0.20	0.31	0.01	20.63	2.92	14.53	2.38	0.00	0.00	0.15
Brunei																		
Burkina Faso	30.04	42.10	3.33	0.79	2.97	10.31	26.95	18.53	18.98	8.08	12.04	14.92	10.95	39.75	27.09	62.90	15.22	26.50
Burundi	0.28	0.61	0.00	0.02	0.86	0.11	4.62	0.73	2.82	4.66	3.94	7.60	1.91	87.83	21.65	72.20	12.20	44.02
Cambodia	138.47	298.90						6.71				7.04			0.00		0.00	0.07
Cameroon	0.11	2.62	0.01	3.49	0.54	1.81	1.16	1.42	7.05	3.20	0.17	2.98	12.05	47.03	0.15	64.96	137.38	90.27
Cape Verde			3.89	10.85	13.35	10.70	14.80	32.41	9.68	16.43	15.55	12.79	21.54	38.53	10.64	8.90	44.64	7.12
Central African Rep.	0.06	2.14	0.00	0.21	0.60	0.06	0.41	35.84	0.43	1.24	3.09	7.06	2.91	32.04	6.79	64.54	63.34	54.52
Chad	19.66	35.59	0.71	0.14	4.49	11.00	28.99	10.49	0.22	8.78	12.62	33.95	49.25	21.18	12.85	41.45	39.00	6.20
Chile	28.69	2.67	96.76	-2.13	-3.46	-1.42	-31.08	-37.50	-32.03	-11.84	-21.94	-10.34	8.09	-34.68	-2.90	-1.36	0.06	8.30
China							0.00	0.39	164.31	109.26	80.80	116.45	4.82	8.68	32.64	7.91	41.15	0.00
Colombia	25.46	15.82	14.08	0.12	1.54	2.31	0.62	0.13	0.19	0.24	0.80	0.00	0.00	0.00	0.00	-1.63	0.00	1.24
Comoros	0.00	0.00	0.00		0.34	0.00	1.13	3.10	3.44	1.65	1.36	1.91	13.23	7.36	6.31	6.75	3.57	8.42
Congo - Rep.	3.59	0.91	0.50	10.29	0.06	1.21	1.40	0.00	0.00	2.75	0.00	0.00	0.00	30.95	56.19	0.00	0.00	103.28
Congo Dem.Rep. (Zaire)	10.82	11.88	47.77	37.80	90.28	59.30	72.15	64.24	97.55	21.24	22.95	36.13	20.66	47.26	158.72	43.16	120.24	161.95
Costa Rica	2.26	0.17	0.00	0.00	0.00	0.00	0.00	0.16	4.59	28.68	188.70	163.56	156.63	126.22	127.15	91.31	128.52	57.76
Cote d'Ivoire	0.93	6.59	0.03	15.65	4.39	0.60	3.46	6.41	0.00	1.61	0.00	20.96	9.92	0.12	68.77	124.48	243.28	402.95
Croatia																		
Cuba	0.73	0.00	0.00	0.00	0.00	0.00	36.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.20	0.00	0.00



**Table 2 PGAD (millions of USD) 1973-1990**

Cyprus	4.97	8.13		3.38	18.84		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Djibouti	0.00	0.00	0.00	0.00	0.00	18.41	0.61	8.77	7.84	5.74	3.74	5.88	2.40	20.61	1.96	2.73	0.95	5.19
Dominica	0.00	0.04	0.00	0.07	1.10	4.79	7.78	3.81	1.05	0.15	0.55	0.00	0.00	0.00	2.90	0.25	0.00	6.38
Dominican Republic	6.34	1.04	0.00	0.09	3.23	0.93	6.67	29.76	18.02	46.49	3.49	73.19	47.19	13.61	51.07	41.74	44.73	3.92
Ecuador	0.95	2.66	0.00	0.06	0.04	0.01	2.50	0.17	0.66	0.47	2.99	3.64	21.55	16.58	27.39	6.91	12.17	3.58
Egypt	301.28	852.77	1639.08	1167.18	1395.89	1042.25	756.25	505.47	392.04	575.02	394.08	729.55	611.86	526.64	288.68	199.41	219.21	2339.41
El Salvador	0.33	1.85	0.00	0.00	0.09	0.80	3.48	4.02	49.31	48.46	48.32	59.66	150.74	151.83	154.41	140.57	164.48	126.64
Equatorial Guinea	0.00						0.00		0.12	2.28	0.39	0.17	0.29	6.63	1.52	7.69	15.39	9.55
Eritrea																		
Ethiopia	5.84	24.50	6.00	9.74	6.57	7.78	43.29	41.60	28.48	19.84	24.16	73.13	247.84	231.70	101.89	192.54	25.31	205.27
Fiji	0.67	2.24	0.97	11.42	1.75	0.31	3.26	4.35	1.90	0.00	1.63	1.81	0.31	3.52	2.34	6.14	1.74	0.00
French Polynesia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.80	21.80	2.99
Gabon	0.17	0.08	0.00	0.00	0.03	9.94	0.03	0.00	0.00	1.63	0.00	0.04	1.81	0.29	0.11	36.78	79.95	0.00
Gambia	1.49	3.16	0.23	0.41	2.60	4.37	2.46	4.25	6.24	0.74	1.18	5.50	12.26	22.93	29.38	12.79	30.86	15.76
Georgia																		
Ghana	10.08	1.27	11.47	3.40	6.05	70.82	53.04	24.82	40.10	38.11	24.01	32.44	57.41	146.80	153.34	100.63	233.23	93.67
Grenada	0.00	0.02	0.00	0.09	0.00	0.00	0.59	0.00	0.23	0.72	0.82	2.30	2.57	0.00	2.05	1.98	3.87	1.51
Guatemala	1.26	1.99	0.00	0.23	4.29	0.88	18.56	24.05	5.18	3.01	11.86	16.47	17.68	71.60	107.86	117.37	84.79	46.24
Guinea	9.91	13.24	6.20	6.18	2.72	3.19	5.80	12.53	16.30	7.87	6.69	8.58	19.77	71.16	15.07	55.00	59.06	3.39
Guinea-Bissau			1.04	4.25	6.02	15.34	7.56	19.56	19.23	6.21	5.77	12.73	17.41	22.76	23.51	10.71	27.77	3.25
Guyana	0.04	0.18	0.00	0.10	0.01	1.27	14.44	9.63	13.32	2.13	1.37	3.63	0.45	8.55	11.41	6.86	18.37	80.86
Haiti	0.05	0.94	3.58	17.45	6.53	14.15	12.68	30.96	18.40	18.01	13.70	17.61	26.32	58.83	69.40	22.76	20.42	18.03
Honduras	0.37	1.52	10.14	1.48	4.32	3.86	5.93	4.03	12.43	52.07	52.02	71.52	120.90	92.13	68.43	95.35	56.07	196.47
India	259.66	540.52	564.11	432.59	262.36	124.22	248.79	164.47	240.44	153.46	235.71	145.64	140.82	220.17	96.58	184.63	120.63	77.57
Indonesia	198.89	95.63	168.73	238.63	115.22	100.56	84.08	83.04	32.32	22.47	67.66	20.52	35.43	70.58	135.18	484.21	398.87	285.32
Iran	0.00	-0.08		-0.02	1.17			0.00						2.39				0.00
Iraq	0.00		0.00		0.00	0.00	0.00		0.00	0.00		0.00	0.00					0.00
Israel	94.77	59.33	89.47	576.72	682.59	685.21	1066.62	765.65	722.18	744.58	1282.38	1129.92	1922.90	1843.90	1115.00	977.39	958.07	1243.14
Jamaica	1.69	0.94	3.77	5.00	9.08	81.23	39.54	78.31	100.72	87.25	22.38	65.21	18.91	47.40	65.33	59.77	117.94	109.78
Jordan	105.27	100.67	96.68	58.25	50.21	28.91	121.70	321.25	167.61	3.64	11.29	0.00	215.82	277.21	275.79	72.19	15.99	649.94
Kenya	15.10	3.90	1.46	22.10	9.54	2.21	18.10	50.37	75.46	117.15	55.06	69.86	69.59	41.95	33.60	122.83	78.72	98.45
Kiribati	0.00	0.00	0.00	0.02	0.08	0.35	1.50	5.89	5.32	4.20	4.16	2.78	1.02	0.60	8.67	1.72	0.66	0.51
Korea	157.62	89.32	0.14	101.18	78.79	28.75	82.14	61.04	223.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kyrgyz Rep.																		
Lebanon	5.90	105.45			48.87	184.63	73.64	62.82	51.81	70.22	8.07	1.64	11.26	1.86	33.15	24.30	37.57	92.13
Lesotho	0.71	5.38	5.75	0.02	0.07	0.09	5.55	13.33	10.97	7.39	15.98	10.31	2.67	5.63	7.33	5.03	3.20	1.38
Liberia	0.02	0.26	0.00	0.00	0.16	5.56	0.00	29.68	50.77	39.75	56.47	44.16	37.04	36.13	20.27	9.47	11.34	55.02

**Table 2 PGAD (millions of USD) 1973-1990**

Libya	10.20																		0.02
Madagascar	1.50	4.45	0.07	0.50	0.41	0.17	9.76	13.41	38.65	61.64	23.37	26.05	9.50	43.50	118.42	111.77	66.05	5.55	
Malawi	2.96	0.07	0.00	8.06	0.08	0.06	9.43	23.87	2.37	0.00	0.02	53.55	18.67	42.74	43.35	131.83	53.93	67.06	
Malaysia	0.53	0.10	0.00	0.00	0.00	0.00	0.00	0.00	22.44	2.71	0.00	7.50	0.00	0.00	0.00	0.00	1.83	0.09	
Maldives				0.78	0.08	0.35	0.22	2.67	2.97	0.00	0.31	0.25	2.00	2.69	1.23	1.69	1.05	1.54	
Mali	22.78	61.75	10.55	2.91	1.48	18.73	26.17	10.73	18.37	4.10	19.34	49.68	47.14	41.98	73.18	114.30	87.30	82.68	
Malta	23.01	18.89	23.92		15.49		0.70	2.73	19.49	9.82	36.25	0.00	13.70	0.00			0.00		
Marshall Islands																			
Mauritania	11.94	37.76	23.60	22.61	72.73	59.20	31.56	28.76	39.62	23.06	45.84	65.92	51.76	59.13	62.97	30.56	15.50	13.74	
Mauritius	1.30	14.11	2.52	0.75	4.08	26.36	5.95	2.09	14.70	10.00	8.90	2.56	2.08	4.50	6.96	4.92	3.72	2.45	
Mayotte					0.14						0.00	0.00	0.00		0.00		0.00		
Mexico	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	27.76	1.75	52.88	77.70	48.29	0.00	3.53	0.02	
Moldova																			
Mongolia													0.00			0.00	0.00	0.00	
Morocco	31.53	32.31	0.00	26.10	65.81	90.32	114.23	252.65	226.56	308.92	88.10	77.63	296.44	65.44	135.12	84.78	55.10	270.43	
Mozambique	0.00		7.66	41.42	30.26	48.50	61.35	35.99	29.74	42.08	94.41	102.14	147.49	104.88	256.49	213.19	230.57	160.92	
Myanmar (Burma)	13.73	9.55	11.80	0.75	11.38	78.54	49.25	1.95	28.72	34.84	7.86	64.44	23.98	88.09	91.87	0.00	0.00	0.00	
Namibia											0.00		0.00	1.94		0.00	0.00	1.39	
Nepal	4.10	3.70	0.00	0.17	0.65	1.74	5.57	5.20	0.38	4.43	4.09	2.06	1.30	11.61	31.44	7.03	50.39	13.52	
Netherlands Antilles	0.27	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.18	0.15	0.17	0.00	0.20	0.14	0.30	0.21	
New Caledonia	0.00	0.17	0.00	0.00	4.36	0.23	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nicaragua	11.61	2.09	0.00	0.00	0.05	0.00	23.80	39.52	21.48	27.07	17.35	15.64	21.17	22.41	2.21	9.91	6.76	109.99	
Niger	38.14	81.42	32.12	7.95	2.28	20.31	10.92	2.22	9.02	8.58	6.71	15.61	64.21	67.22	98.90	60.82	24.93	75.55	
Nigeria	20.16	7.37	0.00	0.06	0.48	0.02	-0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.43	169.40	52.91	
Oman									0.00	62.50	10.76	12.13	17.19	19.01	2.65	-5.15	0.95	0.00	
Pakistan	178.89	184.86	360.66	492.68	205.03	146.17	116.88	242.90	136.34	253.66	76.62	77.22	124.42	57.37	54.18	235.51	87.31	130.54	
Palau																			
Panama	1.01	0.38	0.00	0.00	0.00	0.00	0.85	0.90	1.24	1.65	7.99	1.96	30.93	6.51	0.00	0.00	0.00	0.00	
Papua New Guinea	0.00	66.18	211.94	173.57	225.17	243.10	249.20	277.42	272.91	256.90	254.59	265.49	233.62	222.40	209.16	275.50	0.00	161.15	
Paraguay	0.95	0.43	0.00	0.18	0.09	0.21	0.00	0.00	0.00	0.00	0.69	14.80	0.00	0.00	0.00	0.00	0.00	0.05	
Peru	12.31	17.31	5.79	0.63	1.99	48.50	45.39	28.30	35.60	25.86	76.38	150.34	68.82	89.28	46.38	55.43	23.52	147.43	
Philippines	115.12	16.80	47.75	34.27	56.02	12.38	16.94	23.05	24.21	9.80	6.92	144.23	120.78	581.19	311.63	123.62	125.04	74.68	
Rwanda	0.81	3.69	1.44	0.27	2.11	0.44	5.06	2.90	5.68	5.08	16.49	15.53	8.61	7.76	9.89	41.82	15.21	41.80	
Saudi Arabia	0.00					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Senegal	12.08	29.13	7.66	0.56	5.47	20.09	33.50	30.83	63.53	32.87	24.91	54.92	43.07	207.93	216.39	182.70	209.49	289.42	
Seychelles	5.25	1.58		1.01	2.41	1.40	7.96	1.63	2.67	1.27	2.02	4.40	4.13	6.50	3.61	7.18	2.23	4.67	
Sierra Leone	2.50		0.00	0.03	0.64	1.69	12.05	11.81	2.74	18.68	8.22	8.83	10.95	40.90	9.99	21.84	4.44	28.16	

**Table 2 PGAD (millions of USD) 1973-1990**

Singapore	0.12	0.03	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slovenia																		
Solomon Islands	2.16	1.01	0.00	0.00	1.13	1.67	4.17	2.61	1.60	1.71	0.23	0.00	1.40	0.97	18.27	11.01	0.00	2.20
Somalia	9.34	12.25	70.71	1.82	42.86	32.27	57.82	125.83	137.96	175.88	65.10	51.46	100.34	83.91	69.48	36.07	51.18	3.05
South Africa																		
Sri Lanka	24.50	44.10	48.57	96.10	41.52	116.43	40.26	46.91	42.69	85.43	72.15	103.34	57.80	61.49	64.33	34.80	64.22	88.20
St. Lucia	0.00	0.10	0.00	0.04	0.00	0.00		0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sudan	5.62	55.82	44.25	4.62	49.33	57.94	207.84	80.45	157.66	277.89	337.31	263.03	523.20	345.25	235.91	166.19	98.89	103.56
Suriname	1.07	0.40	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		14.81	43.10	0.00
Swaziland	2.42	0.15	0.00	1.56	0.00	0.00	33.91	0.89	0.00	0.10	0.42	0.05	0.00	0.00	0.00	0.39	0.00	0.00
Syria	15.30	251.61	270.25	155.07	337.04	181.70	743.94	26.54	165.06	0.00	660.50	7.10	172.55	404.11	90.03	17.53	0.00	12.37
Tajikistan																		
Tanzania	2.52	25.54	69.12	24.77	41.35	52.59	48.26	160.49	222.33	77.03	69.36	81.83	64.34	104.68	160.43	274.76	78.11	92.12
Thailand	0.00	1.20	4.30	0.00	3.71	0.01	11.21	4.38	18.14	2.71	15.16	4.51	6.81	9.14	0.43	0.29	1.74	0.36
Togo	0.29	4.12	0.00	0.02	0.25	0.42	5.16	1.13	2.18	1.27	23.22	6.78	3.85	55.69	4.13	91.66	9.78	84.65
Tonga	0.00	0.08		0.25	0.16	0.22	2.31	0.99	0.46	0.05	0.56	0.11	0.82	3.11	3.31	1.03	2.73	0.13
Trinidad & Tobago	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.00
Tunisia	47.89	38.99	12.54	15.72	17.04	37.73	26.93	11.27	16.94	11.29	80.63	41.60	10.56	32.66	51.95	117.07	102.19	84.49
Turkey	37.02	5.44	6.03	3.03	30.29	71.35	293.38	663.82	467.48	535.66	271.62	72.81	57.03	133.14	38.32	19.83	4.80	890.01
Turkmenistan																		
Uganda	1.09	0.02		0.35		8.14	1.39	69.62	27.33	53.41	12.58	33.16	6.10	43.80	34.65	108.94	98.91	55.65
United Arab Emirates	0.00				0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Uruguay	12.49	0.40	0.00			0.00	0.00	0.00	0.00	-3.92	0.00	0.00	0.00	10.19	1.13	0.00	0.00	8.24
Uzbekistan																		
Vanuatu	3.81	6.27	0.00	0.00	8.97	12.57	10.28	11.95	3.18	3.40	2.25	8.51	0.89	0.17	26.25	7.11	0.00	0.00
Venezuela	0.00								0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Yemen	3.91	40.39	12.93	12.22	29.54	12.62	9.44	6.47	20.71	0.00	0.00	11.53	31.43	22.50	80.19	10.41	26.40	34.23
Zambia	1.93	6.32	24.69	20.78	41.30	48.41	97.75	43.44	47.98	40.19	48.71	53.18	47.54	151.56	42.21	39.17	26.95	87.15
Zimbabwe								38.41	67.83	52.61	47.84	91.46	69.82	18.92	30.37	47.23	34.77	21.90

**Table 2 (cont'd) PGAD (millions of USD) 1991-2001**

<i>Country</i>	<i>1991</i>	<i>1992</i>	<i>1993</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>
Afghanistan	0.00	0.00	0.00	0.00	44.92	2.47	91.43	5.30	53.92	11.24	32.21
Albania	325.67	76.53	12.17	3.54	3.98	0.00	0.32	21.79	32.97	0.12	14.39
Algeria	64.08	223.59	74.62	214.80	8.00	75.56	4.55	28.90	-0.02	1.98	1.82
Angola	10.19	2.61	13.19	67.48	39.55	38.88	23.57	37.32	27.91	56.15	32.91
Argentina	19.90	0.00	0.00	13.11	0.00	0.00	5.97	0.00	0.00	0.00	0.00
Armenia			46.86	0.05	43.64	108.18	58.70	6.70	19.16	15.11	5.51
Aruba	0.00	0.00	0.00	0.00	0.00	0.00		0.00			
Azerbaijan			0.00	3.02	0.22	0.14	102.91	0.06	9.83	10.08	12.52
Bahamas			0.00	0.00	0.00						
Bahrain				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	160.57	145.18	70.23	52.58	41.74	48.97	22.93	25.67	128.61	63.27	102.13
Barbados	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Belize	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benin	94.39	42.04	37.36	32.81	60.94	42.12	19.58	28.40	16.97	18.76	13.77
Bhutan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bolivia	70.65	49.10	28.54	28.45	81.04	3.34	45.92	17.44	21.23	29.02	45.55
Botswana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brazil	0.01	-3.10	0.18	0.30	0.06	0.15	0.21	0.00	-0.14	0.03	0.00
Brunei				0.00	0.00						
Burkina Faso	152.43	27.05	50.95	100.86	111.86	52.85	20.49	43.82	57.45	29.77	28.71
Burundi	45.29	78.74	15.25	99.71	4.25	13.81	0.77	12.93	1.65	12.77	3.89
Cambodia	8.19	2.21	22.36	26.49	33.20	14.59	0.67	6.25	0.31	26.94	28.62
Cameroon	165.09	357.99	264.97	524.55	94.66	179.84	178.42	27.68	83.35	31.01	24.44
Cape Verde	36.53	3.39	4.14	18.08	9.70	20.64	8.40	40.72	22.13	21.55	33.78
Central African Rep.	43.08	19.32	14.02	40.73	0.00	2.97	4.37	21.51	6.37	16.50	3.23
Chad	57.62	18.56	0.36	58.08	31.41	80.72	72.76	21.98	11.19	8.31	49.80
Chile	2.45	0.16	0.66	0.70	0.53	2.48	0.30	0.00	0.00	0.00	0.00
China	0.00	8.97	6.76	0.00	5.38	18.19	49.15	23.89	55.00	13.15	1.82
Colombia	0.78	30.96	0.02	0.00	0.00	0.00	4.45	1.45	0.00	0.00	0.00
Comoros	22.02	15.55	19.25	4.79	2.75	0.27	0.34	5.86	1.72	2.79	0.00
Congo - Rep.	10.52	45.20	0.37	275.08	23.10	350.54	0.25	9.40	9.52	3.08	2.86
Congo Dem.Rep. (Zaire)	2.58	49.53	3.42	2.89	3.06	0.68	0.22	1.40	7.59	5.87	10.64
Costa Rica	0.00	16.39	0.00	0.00	0.00	0.00	0.00	0.00	-0.68	0.00	0.00
Cote d'Ivoire	248.58	423.14	439.54	893.17	412.63	143.80	13.59	107.72	35.31	96.45	17.85
Croatia		0.00		79.41	8.38	1.82	1.22	0.00	0.00	0.00	0.00
Cuba	0.00	0.00	16.08	15.88	4.81	3.81	0.15	12.10	3.52	2.68	0.11

**Table 2 (cont'd) PGAD (millions of USD) 1991-2001**

Cyprus	0.00	0.00	0.00	0.00	0.00	0.00					
Djibouti	10.37	5.44	1.68	11.04	8.14	24.46	9.33	12.45	3.41	13.66	2.10
Dominica	2.12	2.66	0.00	5.77	15.86	15.43	0.00	13.32	0.00	7.57	1.12
Dominican Republic	1.81	3.22	-4.62	0.14	0.00	0.00	0.23	0.48	14.55	0.00	0.10
Ecuador	0.18	1.60	11.96	7.86	0.08	0.04	0.65	1.22	10.83	12.61	7.50
Egypt	1380.22	134.19	25.83	47.87	20.03	30.70	322.28	280.21	0.55	0.04	93.30
El Salvador	77.53	3.95	26.13	10.10	29.47	13.05	14.75	13.46	18.55	0.52	14.24
Equatorial Guinea	5.27	8.58	2.35	2.31	10.91	10.16	0.00	0.31	0.79	0.00	0.36
Eritrea			4.89	41.26	17.47	4.75	0.00	15.69	15.18	8.36	115.44
Ethiopia	623.86	281.58	540.41	275.75	155.18	41.11	25.13	46.24	212.48	67.72	239.87
Fiji	1.07	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
French Polynesia	0.00	2.54	0.00	0.00	8.52	0.00	0.00	0.00	0.00		
Gabon	66.10	0.47	18.03	57.47	66.74	69.04	0.05	0.38	0.00	0.00	-2.18
Gambia	9.41	13.51	6.11	0.00	0.00	0.00	0.00	2.00	0.97	13.90	2.44
Georgia			9.52	2.16	4.32	117.68	87.18	14.64	27.28	7.57	10.14
Ghana	384.58	75.71	44.38	58.87	74.13	30.56	27.27	56.23	90.63	121.64	78.10
Grenada	4.24	1.55	1.76	7.08	1.84	2.84	0.00	1.59	0.00	0.49	0.00
Guatemala	40.70	20.06	12.56	29.99	0.01	0.00	5.28	12.46	24.22	24.60	17.33
Guinea	9.02	31.41	19.83	30.88	47.20	1.31	15.44	66.99	8.22	6.44	26.99
Guinea-Bissau	13.47	1.40	10.30	2.97	0.53	0.34	2.03	18.65	2.02	17.61	0.00
Guyana	59.38	13.83	14.50	10.98	12.36	8.19	36.48	8.38	12.07	4.42	23.21
Haiti	27.06	23.94	4.32	211.62	76.07	32.62	23.27	6.32	44.87	37.57	17.56
Honduras	28.44	0.00	4.63	0.00	16.15	2.35	0.27	1.63	66.21	20.03	26.16
India	552.66	53.67	42.41	16.86	0.00	11.71	2.53	3.83	87.12	71.08	87.23
Indonesia	298.81	396.71	211.17	113.41	50.04	52.15	0.21	416.53	901.23	700.50	45.39
Iran	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iraq	270.76	58.43	38.21	5.06	0.00	0.00	51.99	0.00	0.00	0.00	0.00
Israel	1634.26	0.17	1100.23	0.00	0.00	2026.50					
Jamaica	44.15	35.38	0.94	25.18	20.32	0.73	2.53	-1.06	-30.39	-3.56	5.91
Jordan	841.93	237.05	63.44	102.31	212.52	29.16	75.81	19.76	43.41	76.87	103.33
Kenya	66.57	24.21	117.85	83.26	35.17	92.16	4.17	8.96	5.16	96.87	9.35
Kiribati	0.11	2.10	0.79	0.08	2.32	0.13	0.25	0.43	0.06	0.00	0.00
Korea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-106.10	-14.36		
Kyrgyz Rep.			50.83	25.06	27.64	1.67	9.87	1.10	69.27	20.53	11.00
Lebanon	58.73	0.17	0.00	0.00	1.60	0.21	0.00	0.00	0.25	34.38	28.43
Lesotho	8.38	13.44	7.73	16.68	13.10	12.28	3.82	0.00	0.38	0.00	9.08
Liberia	146.13	6.22	1.08	46.53	63.38	21.50	4.82	0.31	19.31	9.77	6.57

**Table 2 (cont'd) PGAD (millions of USD) 1991-2001**

Libya	0.00			0.00	0.00	0.00	0.00	0.00	0.00		
Madagascar	92.60	37.13	35.41	13.78	3.23	12.20	296.70	27.81	71.93	37.29	13.09
Malawi	42.44	19.81	83.21	119.27	98.31	117.35	26.99	94.59	71.61	94.07	51.72
Malaysia	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
Maldives	3.47	1.10	1.61	0.80	3.80	1.16	0.00	0.65	1.05	0.53	4.01
Mali	136.11	67.80	57.94	58.38	106.61	50.12	30.87	30.73	39.41	24.45	31.14
Malta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.54	0.00	0.00	0.00
Marshall Islands		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.94	43.58
Mauritania	28.49	24.19	100.24	24.33	42.61	10.82	1.47	24.60	12.37	22.80	26.38
Mauritius	0.96	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mayotte		0.00	0.00		0.00	0.00	0.00	39.00	0.00	6.61	0.00
Mexico	20.21	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
Moldova							27.54	2.30	3.85	14.53	9.00
Mongolia	25.59	31.41	23.08	4.69	6.60	2.32	16.45	17.27	25.53	23.17	3.65
Morocco	198.15	52.12	36.48	60.66	18.80	0.91	20.74	29.30	0.95	17.27	5.78
Mozambique	157.24	229.45	157.92	269.39	144.79	149.92	81.63	292.91	64.33	208.35	78.96
Myanmar (Burma)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	1.82	0.00	0.00
Namibia	2.23	1.95	0.07	0.52	0.00	1.75	0.93	0.61	0.48	0.00	0.00
Nepal	5.58	6.45	2.80	4.36	11.02	1.28	1.10	11.99	0.70	3.18	0.04
Netherlands Antilles	0.00	0.00	0.00	0.00	5.04	0.00	0.00	0.00	0.00		
New Caledonia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Nicaragua	148.59	109.76	9.70	120.93	68.19	10.39	25.74	19.90	44.27	38.85	40.11
Niger	41.76	68.77	86.63	75.88	11.60	29.34	59.66	35.93	26.27	33.12	36.41
Nigeria	0.97	8.74	0.00	0.00	0.00	0.00	20.49	0.00	2.98	0.72	0.59
Oman	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pakistan	12.40	72.85	71.42	156.30	20.24	6.96	17.19	17.21	100.00	25.64	1048.93
Palau				0.00	0.00	0.00	0.00	0.00	0.00	26.72	13.75
Panama	0.00	108.29	0.00	0.00	-0.19	0.00	0.26	0.00	0.00	0.00	0.00
Papua New Guinea	54.04	133.23	159.79	117.40	123.35	88.87	59.81	1.35	0.84	19.28	0.00
Paraguay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Peru	376.04	169.16	172.53	2.26	54.16	0.89	12.00	36.84	19.31	18.26	55.78
Philippines	156.07	299.67	46.39	11.42	7.24	11.59	0.07	9.33	17.73	15.13	21.84
Rwanda	113.09	95.50	20.61	157.79	311.34	39.21	9.03	120.08	53.00	105.27	24.14
Saudi Arabia	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Senegal	40.04	62.31	48.84	195.83	63.60	22.75	16.96	59.73	42.38	10.99	1.53
Seychelles	3.92	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00
Sierra Leone	7.66	55.90	50.22	67.48	28.11	21.11	15.86	38.15	24.12	58.40	76.82

**Table 2 (cont'd) PGAD (millions of USD) 1991-2001**

Singapore	0.00	0.00	0.00	0.00	0.00						
Slovenia			0.00	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solomon Islands	9.78	2.62	0.44	0.55	1.90	0.22	0.54	0.59	1.22	18.94	0.54
Somalia	1.26	359.61	10.08	0.65	15.44	1.51	0.00	4.64	0.26	11.72	5.28
South Africa			0.29	0.22	12.79	0.39	0.76	0.00	4.16	0.00	0.17
Sri Lanka	88.35	19.79	15.37	15.32	40.73	0.64	7.35	5.83	3.06	5.09	6.43
St. Lucia	0.00	0.00	0.00	7.90	14.76	27.41	0.00	0.97	0.00	5.42	0.00
Sudan	469.14	174.73	47.85	290.85	67.92	35.67	1.91	134.58	74.27	99.47	14.66
Suriname	0.00	8.12	11.34	2.18	5.06	0.00	0.00	0.00	0.00	0.00	16.15
Swaziland	0.00	0.48	0.00	0.00	1.46	0.00	0.02	0.00	3.90	0.04	0.01
Syria	104.20	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.88	0.00	2.14
Tajikistan				0.86	9.94	4.24	7.58	4.17	21.06	44.36	35.00
Tanzania	124.46	255.45	74.91	130.21	97.47	74.41	201.98	293.54	15.79	180.38	198.67
Thailand	0.18	0.21	0.01	0.00	0.00	0.00	0.08	8.37	125.10	0.14	0.28
Togo	24.31	72.41	1.30	61.08	8.69	42.36	15.62	10.15	3.19	2.76	2.39
Tonga	0.57	2.77	0.18	1.01	0.10	0.24	0.08	1.05	0.00	0.03	0.00
Trinidad & Tobago	0.00	0.00	-1.43	0.00	17.09	0.00	0.00	0.00	0.00	0.00	0.00
Tunisia	119.55	175.32	11.98	7.57	-7.64	0.94	0.15	4.66	8.72	0.17	0.00
Turkey	868.83	0.00	7.69	0.00	1.42	1.39	-11.23	0.00	0.00	50.34	0.00
Turkmenistan				7.91	12.84	0.00	0.00	0.00	2.34	4.26	0.00
Uganda	244.85	130.43	111.89	217.93	140.74	9.45	355.46	111.31	10.52	244.48	12.68
United Arab Emirates				0.00	0.00						
Uruguay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uzbekistan				1.44	4.85	1.62	1.12	0.00	5.37	24.30	14.41
Vanuatu	8.30	0.43	0.26	0.42	0.22	0.55	1.14	0.21	0.00	0.00	1.11
Venezuela	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	9.12	0.00
Yemen	4.49	4.14	30.08	28.29	0.00	3.34	17.12	0.06	85.16	46.08	74.44
Zambia	121.30	353.40	152.06	253.87	541.81	0.44	2.57	50.08	73.68	101.12	6.09
Zimbabwe	37.30	304.83	115.31	132.86	105.60	27.30	11.54	10.86	10.00	4.13	5.35

**Table 3 FPGAD (millions of USD) 1973-1990**

<i>Country</i>	<i>1973</i>	<i>1974</i>	<i>1975</i>	<i>1976</i>	<i>1977</i>	<i>1978</i>	<i>1979</i>	<i>1980</i>	<i>1981</i>	<i>1982</i>	<i>1983</i>	<i>1984</i>	<i>1985</i>	<i>1986</i>	<i>1987</i>	<i>1988</i>	<i>1989</i>	<i>1990</i>
Afghanistan	8.35	9.89	-2.04	-0.18	7.52	-8.09	-3.03		-2.25		0.00	0.00	0.00	-2.49	5.26	9.15	18.03	-1.80
Albania																		
Algeria	20.62	5.35	-2.49	-0.52	-1.45	-0.56	-0.39	-2.78	-2.34	-0.22	-0.02	-0.40	0.75	65.39	3.00	-4.46	12.90	-6.94
Angola	0.00			1.06	11.45	19.16	11.76	9.29	9.64	-0.74	-2.29	-3.38	3.36	6.29	-17.23	-38.62	-8.44	-12.92
Argentina	0.00	0.00	0.00	0.00	0.35	-0.04	-0.12	-0.19	-0.31	0.00	0.00	-0.01	-0.01	-0.02	-0.02	0.00	52.56	44.28
Armenia																		
Aruba														0.00	0.05	0.07	0.06	0.08
Azerbaijan																		
Bahamas	0.00					0.26		0.00		0.00	0.00		0.00		0.00	0.00		0.00
Bahrain										0.00								0.00
Bangladesh	244.94	354.13	198.54	102.90	207.54	255.29	89.21	163.63	139.33	30.90	-8.69	138.53	34.34	197.46	117.17	134.12	4.75	200.85
Barbados	0.00	0.27	-0.05	-0.03	-0.06	-0.05	-0.07	-0.06	-0.31	-0.12	8.46	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
Belize	0.21	0.02	-0.05	-0.07	0.64	0.46	0.04	0.00	0.00	4.64	0.00	4.72	8.95	3.27	0.25	-0.84	1.61	0.00
Benin	0.87	6.25	0.23	-0.49	-0.65	-1.49	-0.56	-0.14	-2.84	-0.69	-1.56	-3.43	-0.78	9.12	-0.37	11.22	119.65	76.62
Bhutan	0.00	0.00	0.09	0.08	-0.05	-0.11	-0.09	-0.46	-0.69	-0.47	-0.79	-1.53	-0.08	-0.36	0.00	0.05	0.00	0.00
Bolivia	0.89	3.78	-2.72	-1.49	0.96	-11.46	-8.95	8.49	33.13	59.40	-16.48	-9.59	57.02	132.04	69.11	39.90	27.90	37.64
Botswana	0.20	2.16	-1.17	-0.53	-0.29	-2.33	5.41	-0.13	-5.78	-0.40	3.57	-2.62	-9.83	-5.62	8.38	-0.07	0.89	0.73
Brazil	10.25	9.29	-4.79	-0.68	-0.12	0.06	-0.45	-3.37	-2.01	-0.81	-1.44	-6.03	-22.87	9.14	1.48	-0.94	-1.10	-3.41
Brunei																		
Burkina Faso	30.04	42.10	-2.59	-1.79	-0.94	-9.18	10.15	1.65	-21.40	-10.55	-8.04	-17.97	-18.64	18.15	7.04	43.63	1.57	16.62
Burundi	0.28	0.61	-1.25	-1.33	0.31	-2.90	2.84	-1.91	-3.78	1.22	1.30	-0.39	-1.85	86.14	20.64	71.40	10.92	41.62
Cambodia	138.47	298.90						-58.95				4.40			-0.46		-0.69	-2.26
Cameroon	0.11	2.62	-0.55	2.47	0.13	0.29	-0.52	-0.13	1.57	1.42	-1.48	2.44	10.63	46.28	-0.44	64.92	137.34	90.24
Cape Verde			0.33	6.40	4.61	-2.52	4.15	23.13	-5.85	8.44	-2.19	-4.82	7.96	24.48	-1.34	-8.06	31.37	-10.08
Central African Rep.	0.06	2.14	-0.59	0.05	0.24	-0.98	0.00	34.99	0.11	-1.03	0.74	3.18	1.78	25.22	6.79	64.02	62.18	54.04
Chad	19.66	35.59	0.45	-0.53	-6.04	0.10	19.14	6.36	-0.14	4.78	3.95	6.02	7.96	-3.78	3.33	33.22	33.21	3.24
Chile	28.69	2.67	-19.87	-10.51	-11.56	-19.94	-42.40	-42.93	-42.56	-13.74	-22.98	-41.62	-12.48	-65.64	-9.89	-7.25	-5.94	-0.34
China							0.00	-6.63	152.67	99.01	77.03	105.14	4.82	1.26	12.63	-24.60	0.65	-67.51
Colombia	25.46	15.82	7.47	-4.28	-1.47	0.84	-0.66	-1.02	0.12	0.15	0.67	-0.12	-0.13	-0.17	-10.16	-2.58	-0.25	0.13
Comoros	0.00	0.00	0.00		-2.12	-1.41	0.38	1.82	0.74	-1.71	-0.68	-0.85	11.99	4.59	4.37	5.67	3.13	7.15
Congo - Rep.	3.59	0.91	0.42	9.86	-0.62	0.41	0.51	-0.91	-0.56	0.14	-0.06	-0.23	-0.27	30.88	56.11	-2.05	-0.18	100.74
Congo Dem.Rep. (Zaire)	10.82	11.88	47.52	30.12	82.23	51.54	35.08	44.98	72.42	1.05	8.97	16.73	-8.51	28.28	127.08	14.19	81.67	142.73
Costa Rica	2.26	0.17	-0.28	-0.27	-0.16	-0.38	-0.01	-0.99	1.89	7.71	163.68	145.12	133.33	102.76	112.15	78.42	117.96	56.93
Cote d'Ivoire	0.93	6.59	-0.20	15.52	4.31	0.39	3.20	6.17	-0.15	1.45	-0.17	20.82	9.83	-0.15	68.53	122.19	237.95	387.07
Croatia																		
Cuba	0.73	0.00	0.00	0.00	-2.94	0.00	36.22	-4.19	0.00	0.00	-0.04	0.00	0.00	0.00	0.00	11.72	0.00	0.00



**Table 3 FPGAD (millions of USD) 1973-1990**

Cyprus	4.97	8.13		0.02	16.44		-0.64	-1.18	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	0.00	0.00	
Djibouti	0.00	0.00	0.00	0.00	0.00	17.30	-0.75	6.30	2.45	3.60	1.54	2.25	0.35	15.54	-0.15	-1.04	-3.87	4.67	
Dominica	0.00	0.04	0.00	0.07	1.10	4.79	6.07	2.83	1.05	-0.22	0.55	-0.29	-0.37	0.00	2.90	0.25	-0.19	6.00	
Dominican Republic	6.34	1.04	-3.07	-4.11	1.89	-5.72	-9.75	-3.24	0.36	27.52	-21.99	17.52	24.00	-15.88	-16.07	-5.30	19.20	-2.86	
Ecuador	0.95	2.66	-1.94	-0.52	-0.35	-1.16	0.92	-1.22	-2.29	-0.72	-4.25	2.72	-5.63	6.71	15.15	-0.89	8.76	-1.76	
Egypt	301.28	852.77	1505.36	976.20	1188.86	818.05	392.64	219.18	-16.48	239.08	112.62	451.26	327.78	252.76	-1.83	-164.24	-35.01	1972.85	
El Salvador	0.33	1.85	-0.55	-0.76	-0.55	-1.13	1.53	-2.36	10.61	15.99	2.02	3.75	122.05	108.28	107.50	95.89	129.13	88.97	
Equatorial Guinea	0.00							0.00		-0.14	1.31	-0.65	-2.21	-2.90	6.01	1.03	7.37	15.39	9.55
Eritrea																			
Ethiopia	5.84	24.50	-8.14	1.06	-5.70	-3.32	18.92	12.10	-25.56	-18.46	-16.55	-17.58	80.76	56.38	11.15	35.75	-71.49	10.58	
Fiji	0.67	2.24	-1.22	10.31	0.34	-1.16	2.52	2.44	0.39	-0.30	1.49	1.38	0.28	3.49	2.34	4.14	1.74	0.00	
French Polynesia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.80	21.80	2.99	
Gabon	0.17	0.08	-0.09	0.00	0.03	9.94	0.02	-0.01	-0.01	1.62	-0.01	0.03	1.80	0.29	0.10	36.77	79.95	0.00	
Gambia	1.49	3.16	-0.87	-1.03	1.04	0.02	0.85	1.74	0.57	-3.29	-1.58	1.42	7.94	20.52	22.74	5.13	27.24	14.33	
Georgia																			
Ghana	10.08	1.27	8.91	-3.16	-2.99	61.95	30.24	-0.19	3.69	25.40	12.54	-0.39	35.93	129.67	137.44	79.74	213.62	75.27	
Grenada	0.00	0.02	0.00	0.09	0.00	0.00	0.34	-0.28	-0.61	0.72	0.46	1.91	2.43	-0.24	2.05	1.98	3.74	1.51	
Guatemala	1.26	1.99	-2.01	-3.92	2.93	-1.78	15.00	19.95	-10.05	-3.75	-2.40	-4.51	-1.35	44.88	60.94	84.90	57.97	16.99	
Guinea	9.91	13.24	-4.13	1.93	-1.67	-10.81	-0.60	0.69	3.15	-2.03	0.04	-0.49	11.58	55.77	2.58	45.89	56.99	2.24	
Guinea-Bissau			-3.85	3.00	0.13	-2.77	3.00	17.33	8.70	-0.95	-3.91	-0.29	12.88	14.09	18.54	7.71	23.18	0.74	
Guyana	0.04	0.18	-0.13	-0.01	-0.06	0.16	13.29	7.08	12.25	1.08	0.69	2.55	-0.15	2.79	1.17	-0.36	9.70	72.83	
Haiti	0.05	0.94	-4.86	6.88	-5.35	0.69	-2.95	12.50	-9.79	-4.30	-7.00	-2.23	6.11	23.52	35.09	3.46	-9.85	-1.14	
Honduras	0.37	1.52	-1.23	-4.28	-0.08	-0.22	-2.85	-4.70	-5.63	37.48	29.81	48.64	103.52	65.58	40.93	69.47	26.27	173.55	
India	259.66	540.52	203.17	215.36	152.24	21.46	130.82	9.62	1.07	17.53	125.11	12.01	39.37	139.73	-34.10	-39.11	-15.63	28.25	
Indonesia	198.89	95.63	150.77	99.17	-12.81	-66.88	-181.75	-25.24	-49.16	-4.90	-12.43	-45.20	-6.09	9.53	97.01	457.98	380.40	277.76	
Iran	0.00	-0.08		-0.13	1.17			-0.09						1.54				0.00	
Iraq	0.00		0.00		0.00	0.00	0.00		-0.05	0.00		0.00	0.00					0.00	0.00
Israel	94.77	59.33	61.97	563.42	678.29	676.90	1058.63	761.17	719.09	742.37	1280.90	1128.09	1920.65	1842.87	1113.79	976.02	956.71	1242.01	
Jamaica	1.69	0.94	1.87	3.82	6.51	42.88	17.19	57.94	76.21	66.82	3.02	28.95	-50.93	-13.70	13.30	-5.67	73.63	54.00	
Jordan	105.27	100.67	89.07	41.12	31.51	13.83	108.16	313.63	162.89	-1.43	10.39	-0.08	215.36	276.40	272.76	72.19	2.64	620.22	
Kenya	15.10	3.90	0.20	21.27	8.12	0.35	14.08	22.33	12.90	85.82	21.25	44.48	20.68	17.14	20.24	111.40	66.10	80.89	
Kiribati	0.00	0.00	0.00	0.02	-0.05	0.32	1.36	5.72	5.16	3.93	4.16	2.50	1.02	0.60	8.42	1.72	0.66	0.51	
Korea	157.62	89.32	-143.50	-7.34	-5.94	-74.83	49.51	36.77	-122.38	-5.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Kyrgyz Rep.																			
Lebanon	5.90	105.45			31.97	165.27	68.05	58.63	41.16	58.43	3.82	0.15	7.38	-6.08	17.28	-0.73	15.28	79.33	
Lesotho	0.71	5.38	4.37	-2.97	-1.69	-4.68	0.53	1.25	-3.61	0.10	1.31	-5.03	-8.80	-1.08	0.02	-1.88	-1.06	-0.78	
Liberia	0.02	0.26	-0.57	-0.10	0.13	4.77	-0.12	22.43	30.47	26.71	40.68	19.73	37.04	26.20	10.27	1.47	11.22	36.50	

**Table 3 FPGAD (millions of USD) 1973-1990**

Libya	10.20																	0.02
Madagascar	1.50	4.45	0.04	0.43	-0.39	-2.25	7.84	10.21	25.23	23.12	-9.39	-5.48	-13.13	30.79	99.63	94.78	50.93	-6.35
Malawi	2.96	0.07	-0.20	8.01	-0.11	-0.12	8.96	22.89	-1.39	-0.12	-1.88	52.88	18.35	42.61	37.10	111.85	22.89	53.42
Malaysia	0.53	0.10	-2.79	-0.08	0.00	0.00	0.00	0.00	22.44	2.71	0.00	7.50	0.00	0.00	0.00	0.00	1.83	-0.04
Maldives				0.78	-0.07	0.17	0.22	2.44	2.42	-0.22	0.00	-0.07	1.79	0.01	0.75	0.50	0.00	1.16
Mali	22.78	61.75	-6.84	1.80	-0.66	1.71	21.30	6.70	7.17	-14.20	-6.03	6.90	-6.10	16.21	58.12	90.25	69.56	64.07
Malta	23.01	18.89	23.01		14.94		-5.99	-3.41	17.49	9.04	36.25	-0.16	13.58	0.00			0.00	
Marshall Islands																		
Mauritania	11.94	37.76	15.73	14.15	63.12	41.61	23.95	5.71	15.45	8.35	20.04	33.95	-5.00	38.23	46.58	13.79	-0.10	2.92
Mauritius	1.30	14.11	-2.40	-0.97	1.90	24.32	-0.11	-7.68	8.61	2.32	3.02	-0.01	1.18	3.07	-2.64	1.81	2.30	-0.55
Mayotte					0.14						0.00	0.00	0.00		0.00			0.00
Mexico	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.99	0.00	0.04	27.76	1.30	-17.28	70.16	0.24	-34.00	-12.47	-19.98
Moldova																		
Mongolia													-0.13			0.00	0.00	-0.91
Morocco	31.53	32.31	-8.97	7.16	47.37	70.69	96.57	239.84	172.15	249.57	35.72	7.25	231.89	-7.78	72.12	17.60	-2.91	220.48
Mozambique	0.00		-0.36	27.42	12.65	29.16	22.68	11.55	-4.05	8.77	36.45	19.84	61.48	26.64	135.08	57.23	109.44	49.07
Myanmar (Burma)	13.73	9.55	11.30	-2.10	10.28	73.16	47.54	0.43	26.97	31.60	7.79	62.57	23.92	74.67	91.87	0.00	-0.15	0.00
Namibia											0.00		-0.64	1.86		0.00	0.00	1.39
Nepal	4.10	3.70	-1.40	0.01	-0.41	0.96	4.22	1.61	-12.71	-2.10	-7.10	-4.19	-3.34	6.53	23.43	6.02	49.59	12.49
Netherlands Antilles	0.27	0.00	-0.07		0.00	0.00		0.00	0.00	0.00	0.18	0.15	0.06	-0.15	0.15	0.09	0.30	0.21
New Caledonia	0.00	0.17	0.00	0.00	4.34	0.19	0.15	-0.04	-0.02	-0.03	-0.03	-0.02	-0.02	-0.03	-0.04	0.00	0.00	0.00
Nicaragua	11.61	2.09	-0.65	-0.37	-0.07	-0.33	6.97	7.01	4.95	13.43	3.22	2.01	11.18	13.57	-11.30	-16.21	-8.77	83.25
Niger	38.14	81.42	22.78	-17.18	0.03	8.35	3.33	-0.48	3.85	-4.70	2.84	5.98	6.50	52.09	93.06	50.80	14.68	66.37
Nigeria	20.16	7.37	-0.31	-0.26	0.48	0.02	-0.31	0.00	0.00	0.00	-1.82	0.00	0.00	0.00	0.00	9.42	169.40	52.91
Oman									0.00	62.50	10.76	12.13	17.19	19.01	2.65	-5.15	0.95	0.00
Pakistan	178.89	184.86	178.78	411.86	175.55	84.33	44.64	159.37	-6.15	133.29	-36.65	-7.70	30.56	15.02	-22.83	11.79	-94.88	7.92
Palau																		
Panama	1.01	0.38	-0.44	-0.74	0.00	-5.74	0.20	-0.39	-3.99	0.06	5.23	-0.91	30.17	6.43	0.00	0.00	0.00	-0.83
Papua New Guinea	0.00	66.18	211.94	173.57	225.17	243.10	249.20	277.42	272.91	256.90	254.59	265.49	233.62	222.40	208.93	275.50	0.00	161.15
Paraguay	0.95	0.43	-0.14	0.11	0.03	0.04	-0.42	-0.26	-2.04	-0.14	0.57	13.22	-0.25	-2.56	-0.39	-0.32	-0.40	-0.29
Peru	12.31	17.31	1.01	-6.39	-4.89	21.33	-42.19	-11.25	-20.33	-5.30	17.89	78.29	48.32	39.15	-8.64	-14.99	-18.12	45.91
Philippines	115.12	16.80	36.21	24.92	46.28	-5.54	-0.26	-0.47	-9.46	-4.46	-16.90	116.56	102.18	524.77	206.97	34.28	102.65	42.57
Rwanda	0.81	3.69	-3.51	-2.84	-0.88	-4.72	0.73	-2.49	-6.20	-0.47	6.07	-2.01	-2.56	3.10	4.62	36.63	12.93	34.17
Saudi Arabia	0.00					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
Senegal	12.08	29.13	1.19	-5.00	-2.00	-11.65	17.63	2.18	28.88	10.75	1.64	9.19	27.38	177.37	192.81	165.63	188.43	274.16
Seychelles	5.25	1.58		0.97	2.04	1.00	7.32	0.85	1.58	0.56	1.58	3.73	3.44	5.90	3.24	7.18	2.23	4.64
Sierra Leone	2.50		-1.85	-0.75	-0.39	0.40	11.25	7.29	-9.69	4.26	0.33	0.44	1.58	23.74	-2.27	11.05	-7.07	19.34

**Table 3 FPGAD (millions of USD) 1973-1990**

Singapore	0.12	0.03	-0.05		0.00	0.00	-0.07	0.00	0.00	0.00	0.00	-1.13	0.00	0.00	0.00	0.00	0.00	0.00
Slovenia																		
Solomon Islands	2.16	1.01	-0.08	0.00	1.13	1.67	4.17	2.61	1.60	1.71	0.23	0.00	1.40	0.54	18.27	11.01	0.00	2.20
Somalia	9.34	12.25	52.47	-18.30	31.68	22.91	31.70	55.96	51.07	114.34	27.69	-9.49	36.69	43.80	30.79	11.11	45.44	-8.56
South Africa																		
Sri Lanka	24.50	44.10	1.86	57.75	-19.18	43.24	2.63	11.41	-4.73	46.60	7.25	41.85	21.21	7.84	27.72	-17.32	26.87	21.39
St. Lucia	0.00	0.10	0.00	0.04	0.00	0.00		-0.19	-0.21	0.00	0.00	-0.01	-0.06	-0.01	0.00	-0.04	0.00	0.00
Sudan	5.62	55.82	34.64	2.15	41.02	54.19	179.61	50.72	100.60	236.48	268.13	198.14	275.93	263.10	132.81	54.39	-2.56	-2.18
Suriname	1.07	0.40	-0.25	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.62		11.67	43.10	0.00
Swaziland	2.42	0.15	-0.32	1.53	-0.07	-0.24	33.71	0.58	-0.90	0.05	-0.77	-1.32	-0.03	-0.17	-2.78	-1.91	0.00	-0.58
Syria	15.30	251.61	243.26	144.20	316.04	159.90	728.05	20.24	157.14	-1.36	658.18	5.24	172.26	401.01	88.25	13.72	-1.44	12.05
Tajikistan																		
Tanzania	2.52	25.54	27.57	-1.39	19.01	41.45	38.58	129.62	153.67	13.26	36.83	47.12	45.51	82.28	139.72	261.63	68.34	88.74
Thailand	0.00	1.20	4.25	0.00	3.58	-0.16	11.06	3.87	11.15	0.56	14.24	3.58	5.78	8.13	-0.38	-1.95	1.20	-2.08
Togo	0.29	4.12	-1.38	-1.14	-1.24	-2.25	3.18	-0.19	-0.65	-0.24	18.67	2.39	-1.21	52.71	1.03	87.30	6.08	82.01
Tonga	0.00	0.08		0.25	-0.05	-0.13	2.17	0.69	0.46	-0.77	0.25	0.11	0.82	3.11	3.31	1.03	2.73	0.13
Trinidad & Tobago	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.00	1.84	0.00
Tunisia	47.89	38.99	3.10	8.83	0.23	14.10	5.83	-27.15	-3.36	-5.46	63.69	7.55	3.17	-6.97	6.99	53.43	32.85	36.56
Turkey	37.02	5.44	3.09	3.03	30.24	71.30	293.33	663.75	467.44	535.61	267.53	72.36	57.03	133.14	38.32	19.83	4.80	887.63
Turkmenistan																		
Uganda	1.09	0.02		0.29		7.58	0.26	56.96	14.07	48.02	5.61	25.53	3.97	35.05	26.44	105.54	95.65	49.34
United Arab Emirates	0.00				0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Uruguay	12.49	0.40	-0.06			-0.26	-0.46	0.00	-0.05	-3.97	-0.05	-0.04	-0.41	10.17	1.13	0.00	0.00	6.05
Uzbekistan																		
Vanuatu	3.81	6.27	0.00	0.00	8.97	12.57	10.28	11.95	3.18	3.40	2.25	8.51	0.80	0.17	26.25	7.10	0.00	0.00
Venezuela	0.00								0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Yemen	3.91	40.39	8.53	6.86	23.00	11.09	6.30	1.33	18.98	-4.61	-3.81	5.48	12.77	8.70	63.53	-5.36	7.49	10.59
Zambia	1.93	6.32	23.10	16.89	37.35	42.06	81.65	3.17	21.69	26.21	27.73	15.77	30.37	135.47	20.43	13.08	12.57	79.64
Zimbabwe								32.99	64.30	48.97	39.71	60.10	47.90	16.93	26.02	46.95	34.68	20.25

**Table 3 (cont'd) FPGAD (millions of USD) 1991-2001**

<i>Country</i>	<i>1991</i>	<i>1992</i>	<i>1993</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>
Afghanistan	-4.26	-6.02	-9.26	-7.18	36.18	-4.09	74.85	-1.87	28.59	7.63	23.10
Albania	321.87	-24.48	-28.13	3.29	-2.68	-4.00	-0.32	6.24	24.01	0.07	10.68
Algeria	53.74	210.65	69.54	211.25	5.29	64.38	0.99	25.47	-1.19	0.09	-0.56
Angola	-39.81	-21.84	-4.41	44.36	-29.31	-25.49	-23.58	-2.99	16.45	20.27	6.39
Argentina	19.90	0.00	0.00	13.11	0.00	0.00	5.97	0.00	0.00	0.00	0.00
Armenia			-17.52	-1.94	-10.98	83.23	33.65	-28.25	-2.30	-12.65	-2.74
Aruba	0.00	0.00	0.00	0.00	0.00	0.00		0.00			
Azerbaijan			0.00	1.29	-13.09	-16.01	93.87	-14.28	-10.36	-0.67	3.05
Bahamas			0.00	0.00	0.00						
Bahrain				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	11.94	0.24	16.89	7.50	-62.78	-45.32	-89.84	-54.56	15.30	-14.38	-2.83
Barbados	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Belize	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benin	91.75	38.83	33.58	32.47	57.84	39.17	16.47	24.46	13.73	13.45	8.40
Bhutan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bolivia	-0.02	6.09	-3.74	26.73	61.45	-18.61	1.63	-13.88	-10.19	1.71	16.69
Botswana	-0.78	0.00	0.00	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brazil	-0.82	-5.38	-1.00	-1.67	-1.27	-0.51	-0.43	0.00	3.05	-0.05	0.00
Brunei				0.00	0.00						
Burkina Faso	120.17	9.15	37.19	99.63	99.40	42.86	4.61	30.57	42.18	16.75	12.44
Burundi	43.80	76.51	10.17	86.46	-18.30	12.96	-2.27	6.55	-1.48	11.51	0.98
Cambodia	5.39	-10.21	16.68	22.51	23.30	8.70	-4.72	4.40	0.01	25.47	26.33
Cameroon	163.82	357.95	264.96	524.06	94.61	179.69	178.41	27.01	81.85	31.01	23.28
Cape Verde	24.65	-11.85	-1.38	10.70	-3.40	3.73	-15.80	27.39	7.74	12.97	26.43
Central African Rep.	42.77	19.05	14.02	40.73	0.00	2.51	4.37	17.42	6.01	16.50	3.23
Chad	48.88	17.85	-0.23	57.52	30.81	79.26	66.55	18.78	8.77	5.21	42.51
Chile	-40.96	-2.71	-0.13	0.10	-0.21	1.91	-0.17	-0.03	0.00	0.00	0.00
China	-27.84	-21.72	-1.63	-10.85	-4.89	-2.63	35.89	9.80	11.94	7.98	-1.58
Colombia	0.67	30.84	-0.07	-0.06	0.00	0.00	2.67	0.20	0.00	0.00	0.00
Comoros	19.69	14.39	17.64	4.36	1.16	0.27	0.09	4.44	0.14	2.79	0.00
Congo - Rep.	7.36	41.43	0.30	275.06	23.01	349.99	-0.64	5.50	7.40	-2.01	-0.91
Congo Dem.Rep. (Zaire)	-10.28	42.66	0.41	-3.91	-7.63	-2.27	-1.41	0.09	2.50	0.75	7.62
Costa Rica	-14.00	16.39	-15.71	0.00	0.00	0.00	-0.32	0.00	10.44	0.00	0.00
Cote d'Ivoire	237.55	412.14	429.35	892.97	412.39	141.36	-2.24	105.40	30.24	87.27	17.26
Croatia		0.00		79.41	7.86	1.53	0.56	0.00	0.77	0.00	0.00
Cuba	-1.16	0.00	11.82	11.64	3.16	-10.76	-6.00	5.04	1.26	-0.31	-0.04

**Table 3 (cont'd) FPGAD (millions of USD) 1991-2001**

Cyprus	0.00	0.00	0.00	0.00	0.00	0.00					
Djibouti	8.89	3.53	-3.66	10.23	5.61	20.35	9.33	11.19	1.65	12.27	-0.35
Dominica	2.08	2.66	0.00	5.72	15.86	15.43	0.00	13.32	0.00	7.57	1.12
Dominican Republic	-5.23	-4.17	-6.62	-1.33	-3.00	-7.23	-1.69	-0.22	4.96	-0.06	-0.23
Ecuador	-1.08	-2.17	10.02	5.62	-1.40	-0.25	-0.47	-1.38	4.78	-4.92	-13.62
Egypt	1094.34	36.77	0.95	19.04	-47.13	-1.60	155.18	269.67	61.93	-5.42	90.29
El Salvador	43.42	-21.52	-9.91	8.74	29.47	10.74	4.00	4.11	6.52	0.30	3.74
Equatorial Guinea	4.53	7.62	1.62	2.31	10.91	9.39	-1.00	-0.90	-0.41	0.00	-0.47
Eritrea			-15.04	20.57	-2.98	-14.68	-7.11	-0.91	10.32	-29.55	88.50
Ethiopia	358.86	59.49	422.22	227.60	30.18	-31.43	-51.40	-43.67	124.78	-18.68	142.19
Fiji	1.07	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
French Polynesia	0.00	2.54	0.00	0.00	8.52	0.00	0.00	0.00	0.00		
Gabon	66.10	0.47	18.03	57.47	66.74	69.04	0.05	0.38	0.00	0.00	-2.18
Gambia	7.82	12.42	4.11	0.00	-2.00	-2.19	-3.31	-1.50	-0.26	11.20	2.31
Georgia			-78.48	0.41	-36.47	66.29	45.50	-13.48	5.72	-7.48	-3.08
Ghana	366.66	52.06	22.95	54.95	64.11	22.75	5.02	33.21	75.10	95.84	55.85
Grenada	4.24	1.04	1.76	7.03	1.84	2.84	0.00	1.59	0.00	0.49	0.00
Guatemala	5.96	0.11	-20.12	26.64	-12.65	-9.96	-9.77	-2.42	5.84	0.62	1.88
Guinea	4.26	29.67	10.67	30.42	45.52	-2.07	13.17	63.57	4.27	0.39	20.18
Guinea-Bissau	12.88	0.87	9.28	2.95	-0.55	-0.68	1.02	18.45	-0.69	17.61	0.00
Guyana	53.25	5.83	9.50	10.98	9.36	8.19	29.16	-0.09	0.67	-0.26	12.81
Haiti	2.08	-3.49	-30.41	207.49	24.51	-11.26	-28.64	-41.88	12.25	-3.78	-12.62
Honduras	9.97	-19.42	-11.49	-2.24	6.92	-8.97	-8.29	-10.05	35.54	-3.74	12.11
India	465.15	-70.02	-83.25	9.93	-111.54	-108.38	-129.01	-105.43	-6.43	-32.84	10.10
Indonesia	290.33	385.68	199.71	111.23	44.80	51.00	-0.20	370.79	767.22	615.35	-2.27
Iran	4.06	0.00	0.00	-1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iraq	269.57	31.02	28.05	1.80	-11.25	-3.18	49.17	0.00	0.00	0.00	-0.06
Israel	1624.32	-0.94	1099.81	-0.17	0.00	2026.50					
Jamaica	-275.61	3.69	-31.81	25.18	20.32	0.73	-2.47	-6.06	-27.96	-6.25	0.59
Jordan	822.26	187.92	36.25	102.31	207.25	22.54	49.99	1.14	24.11	5.85	76.28
Kenya	60.20	1.40	98.53	71.75	26.81	90.23	-6.55	-5.54	-7.36	86.54	-3.11
Kiribati	0.11	2.10	0.79	0.08	2.32	0.13	0.25	0.43	0.06	0.00	0.00
Korea	0.00	0.00	0.00	0.00	-3.32	0.00	0.00	-108.65	11.99		
Kyrgyz Rep.			-8.30	23.69	10.27	-16.33	-8.49	-31.95	46.58	5.32	2.03
Lebanon	44.65	-7.13	-2.00	0.00	1.60	-1.70	-0.97	-1.06	0.24	17.14	9.84
Lesotho	3.73	7.38	6.07	16.49	0.41	8.82	3.71	-1.55	-0.62	0.00	9.08
Liberia	94.39	-4.62	-11.64	42.91	51.98	7.27	-7.67	-12.03	11.56	5.53	0.74

**Table 3 (cont'd) FPGAD (millions of USD) 1991-2001**

Libya	0.00			0.00	0.00	0.00	0.00	0.00	0.00		
Madagascar	83.29	23.58	28.26	9.22	-5.67	3.37	284.34	5.02	58.87	22.72	-1.81
Malawi	18.54	-34.11	69.83	105.71	55.64	101.66	19.39	75.22	50.36	72.59	36.92
Malaysia	-2.31	-0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04
Maldives	2.41	-0.24	0.54	0.43	2.74	-0.22	0.00	-1.64	1.14	-0.58	2.70
Mali	116.91	55.64	52.22	55.14	106.11	47.13	27.10	25.15	36.43	22.80	28.61
Malta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.54	0.00	0.00	0.00
Marshall Islands		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.94	43.58
Mauritania	5.62	15.37	93.70	23.99	38.60	6.63	-5.31	20.04	-0.99	20.63	15.94
Mauritius	-1.48	-0.70	-0.81	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00
Mayotte		0.00	0.00		0.00	0.00	0.00	39.00	0.00	6.61	0.00
Mexico	-7.79	-7.08	-20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04
Moldova							21.54	-0.46	-4.63	11.01	5.45
Mongolia	24.10	27.50	18.27	3.45	3.41	1.03	12.38	13.45	22.27	12.89	2.18
Morocco	157.67	6.11	16.46	60.66	18.77	0.89	20.74	29.30	25.90	-24.13	5.69
Mozambique	8.08	94.62	88.72	243.06	69.87	101.99	28.77	243.91	26.32	169.01	36.07
Myanmar (Burma)	0.00	-0.25	0.00	0.00	-0.06	0.00	0.00	0.24	1.82	0.00	0.00
Namibia	2.23	-4.07	-0.07	-0.41	-2.26	-1.16	0.93	0.61	0.20	0.00	0.00
Nepal	5.16	0.78	0.50	0.70	4.42	-0.68	-2.89	9.38	-6.53	1.62	-2.71
Netherlands Antilles	0.00	0.00	0.00	0.00	5.04	0.00	0.00	0.00	0.00		
New Caledonia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Nicaragua	114.19	59.70	-8.79	116.81	64.01	-3.90	11.68	1.39	17.68	18.45	18.83
Niger	20.40	61.11	81.58	72.00	7.56	27.34	49.25	22.38	19.51	21.29	20.41
Nigeria	0.97	8.74	0.00	0.00	0.00	0.00	20.38	0.00	2.98	-1.79	0.53
Oman	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pakistan	-11.21	53.68	29.68	152.90	18.24	2.38	-28.98	12.39	28.96	25.64	969.19
Palau				0.00	0.00	0.00	0.00	0.00	0.00	26.72	13.75
Panama	-2.00	107.29	-0.68	0.00	-0.87	0.00	-0.24	0.00	0.00	0.00	0.00
Papua New Guinea	53.93	133.23	159.79	117.25	123.35	88.87	59.81	1.57	0.84	19.28	0.00
Paraguay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
Peru	286.03	75.53	81.27	-3.56	-21.59	-52.76	-64.44	-49.31	-10.61	-42.14	6.68
Philippines	120.31	270.66	10.77	9.36	-8.93	7.59	-6.93	-3.29	4.78	-18.35	-22.80
Rwanda	104.23	83.63	-1.92	141.89	241.42	14.22	-22.86	83.38	27.56	100.79	7.82
Saudi Arabia	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Senegal	35.68	53.39	43.74	195.66	61.26	19.40	13.86	57.56	41.19	6.50	-3.12
Seychelles	3.92	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00
Sierra Leone	-1.23	40.73	41.58	66.70	14.29	9.94	-6.64	23.37	23.20	55.28	72.07

**Table 3 (cont'd) FPGAD (millions of USD) 1991-2001**

Singapore	0.00	0.00	0.00	0.00	0.00						
Slovenia			0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solomon Islands	9.77	2.62	0.44	0.55	1.90	0.22	0.54	0.59	1.22	18.94	0.54
Somalia	-26.45	279.51	-19.80	-5.84	-0.46	-1.45	-0.34	0.55	0.13	7.90	3.26
South Africa			-0.03	-0.17	12.35	0.08	0.50	-13.88	2.78	0.00	0.03
Sri Lanka	87.61	-21.20	-39.00	12.79	35.35	0.49	-5.22	-4.85	3.68	-9.81	-3.14
St. Lucia	0.00	0.00	0.00	7.90	14.76	27.41	0.00	0.97	0.00	5.42	0.00
Sudan	231.64	75.91	1.60	273.91	57.96	22.88	-16.05	113.49	60.30	92.19	8.72
Suriname	0.00	0.12	7.34	2.18	5.06	0.00	0.00	0.00	0.00	0.00	16.15
Swaziland	-0.56	-0.62	-0.43	-0.52	-0.48	-2.50	0.02	0.00	2.84	-0.22	-0.02
Syria	104.05	0.21	0.00	0.00	5.18	-1.22	-0.39	-0.67	0.66	0.00	1.34
Tajikistan				0.40	-13.99	-16.71	-14.15	-24.36	5.53	26.63	0.99
Tanzania	121.71	225.85	71.19	121.75	81.94	67.36	195.54	286.66	4.34	172.61	193.81
Thailand	-3.33	-1.00	-0.06	-0.91	0.00	-0.48	-0.17	7.89	124.78	-0.17	-0.08
Togo	19.71	66.63	-2.53	60.96	7.69	39.94	15.55	7.32	1.33	2.76	1.83
Tonga	0.57	2.77	0.18	1.01	0.10	0.24	0.08	1.05	0.00	0.03	0.00
Trinidad & Tobago	0.00	0.00	-1.43	0.00	17.09	0.00	0.00	0.00	0.00	0.00	0.00
Tunisia	95.26	160.17	4.98	7.57	-13.44	-2.30	0.15	4.66	8.54	0.17	0.00
Turkey	868.83	0.00	7.69	0.00	1.42	1.39	-11.23	0.00	2.15	50.34	0.00
Turkmenistan				7.91	12.84	0.00	0.00	0.00	-2.72	3.46	-1.89
Uganda	241.84	118.81	103.74	213.06	126.72	4.87	344.78	101.75	0.88	234.89	-3.39
United Arab Emirates				0.00	0.00						
Uruguay	-0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
Uzbekistan				1.34	4.85	1.62	-0.03	0.00	-0.90	9.56	-6.41
Vanuatu	8.30	0.38	0.26	0.42	0.22	0.55	1.14	0.21	0.00	0.00	1.11
Venezuela	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	7.93	0.00
Yemen	-2.07	-3.56	16.62	21.99	-2.24	1.42	1.54	-10.05	39.37	-20.38	43.37
Zambia	118.74	252.04	137.79	253.10	519.61	-14.59	-0.07	44.81	74.49	97.26	2.90
Zimbabwe	37.24	221.96	108.73	131.91	101.82	26.48	11.11	-0.27	10.43	-0.46	4.19

**Table (4) Summary Statistics**

<b>Regressors</b>	<b>Mean</b>	<b>Std. Dev.</b>	<b>Min</b>	<b>Max</b>
GDS/GDP	13.38	13.61	0.70	46.15
GDP per capita	1850	2430.54	105.250	13993.73
GDP growth	3.86	2.24	-1.19	14.84
Inflation	63.00	200.77	-1.305	1422
Deposit rates	123.86	855.48	3.72	8391.37
M2/GDP	34.76	23.46	9.99	144.45
Aid/GDP	8.92	9.43	0.05	45.03
PJA/GDP	5.06	5.37	0.01	27.13
FPGA/GDP	1.10	1.29	0.00	6.72
TA/GDP	2.41	3.01	0.03	17.20
FA/GDP	0.051	0.77	0.00	4.86
OFF/GDP	2.44	4.43	0.00	29.09



**Table (5) Arellano and Bond GMM Estimators (dependent variable: Domestic Savings as a percentage of GDP)**

Regressors	Column 1		Column 2		Column 3		Column 4	
	Full sample		SSA		LAM		ASIA & MENA	
	Aid	Aid components	Aid	Aid components	Aid	Aid components	Aid	Aid components
Lagged GDS/GDP	0.687*** (0.115)	0.803*** (0.113)	0.606*** (0.103)	0.730*** (0.085)	0.406*** (0.069)	0.264** (0.109)	0.498*** (0.067)	0.407*** (0.137)
GDP per capita	-4.261 (3.232)	-3.714 (3.636)	5.535** (2.680)	6.948** (3.099)	0.977 (2.464)	13.687** (5.600)	7.8211*** (1.165)	0.646 (4.780)
GDP growth	0.720*** (0.155)	0.952*** (0.152)	0.5254*** (0.189)	0.928*** (0.153)	0.245** (0.098)	0.057 (0.198)	0.887*** (0.062)	1.241*** (0.198)
Inflation	0.002*** (0.001)	0.002*** (0.000)	0.012 (0.026)	0.045* (0.026)	0.002*** (0.000)	0.001** (0.000)	-0.047 (0.051)	-0.258 (0.160)
Deposit rates	0.000 (0.000)	0.000 (0.000)	-0.027 (0.120)	-0.102 (0.128)	0.000*** (0.000)	0.000 (0.000)	0.017 (0.046)	0.254 (0.238)
M2/GDP	0.097** (0.046)	0.107** (0.048)	-0.268** (0.108)	-0.378*** (0.074)	0.203*** (0.038)	0.215*** (0.037)	0.200*** (0.042)	0.304*** (0.091)
Aid/GDP	-0.182* (0.098)	---	-0.179 (0.112)	---	0.535*** (0.107)	---	-1.019*** (0.1866)	---
PJA/GDP	---	-0.449** (0.201)	---	-0.491** (0.220)	---	-0.017 (0.348)	---	-1.702** (0.760)
FPGA/GDP	---	0.035 (0.277)	---	0.436 (0.276)	---	0.924** (.423)	---	-2.544*** (0.648)
TA/GDP	---	1.078*** (0.394)	---	1.212*** (.378)	---	0.782 (0.728)	---	3.218 (3.494)
FA/GDP	---	-2.265*** (1.284)	---	-3.934*** (1.098)	---	2.533** (1.179)	---	-10.492* (5.521)
OFF/GDP	-0.154 (0.095)	-0.038 (0.174)	-0.014 (0.210)	-0.296 (0.192)	-0.086 (.0756)	-0.292* (0.166)	-0.781*** (0.112)	0.489 (0.456)
Constant	0.122 (0.361)	-0.145 (0.394)	0.904*** (0.338)	0.280 (0.460)	-0.706** (0.301)	-1.291*** (0.366)	-2.498*** (0.484)	-4.830*** (1.305)
Sargan test (p-value)	0.346	0.134	0.224	0.440	0.369	0.919	0.761	0.961
AR(1) (p-value)	0.009	0.016	0.034	0.028	0.039	0.028	0.0748	0.025
AR(2) (p-value)	0.925	0.896	0.334	0.432	0.126	0.296	0.455	0.229

Notes: Standard errors in brackets. \*\*\*, \*\*, and \* represent statistical significance at the 1, 5 and 10 percent, respectively.