

S. A. MULTI-PARTY NEGOTIATING PROCESS/NEGOTIATING COUNCIL  
COMMISSION: DELITATION OF REGIONS/STATES/PROVINCES  
SURVEY: CRITERIA FOR DEMARCATION OF REGIONS 1993

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University of the Witwatersrand  
Johannesburg

**COMMISSION ON THE DEMARCATION/DELIMITATION  
OF REGIONS**

**SURVEY OF AVAILABLE INFORMATION ON THE  
CRITERIA FOR THE DEMARCATION OF REGIONS**



## LIST OF DOCUMENTS

1. Summary of Information Sources (Bibliography)
  2. Development Information Framework (DBSA)
  3. Papers Commissioned for World Bank Poverty Study
  4. Health Trends in South Africa (Article)
  5. Natrass, Jill. "Need Criteria as a Basis of Establishing Priorities for Development in South Africa."
  6. TBVC and SGT Consolidated Income and Expenditures
  7. TBVC and SGT Expenditure According to Government Departments
  8. Water and Sanitation Issues (Articles)
  9. Bibliography (2 lists)
- .

## **SURVEY OF AVAILABLE INFORMATION PERTAINING TO THE CRITERIA FOR THE DEMARCATION/DELIMITATION OF REGIONS**

A survey of information pertaining to the demarcation of regions has been undertaken, including an indication of where it is located and in what form it is available. The designated criteria for the demarcation of regions were used, as the terms of reference, in identifying the types of information which might be needed. This is a preliminary survey and is therefore not comprehensive. Further guidance from commission members on areas of emphasis and additional work will be useful.

The categories of information collected can be grouped into the following topics:

1. Socio-Economic / Development
2. Physical Infrastructure
3. Social Infrastructure (Health, Education and Welfare)
4. Institutional and Administrative Capacity
5. Finances, including income and expenditures of TBVC, SGT and regional governments
6. Maps of boundaries (i.e provincial, magisterial, district and RCS boundaries)

Information and data published in articles, institutional documents and statistical reports has been included. Where possible samples of information are provided.



## BIBLIOGRAPHY

### SOCIO-ECONOMIC DATA

(See – South Africa an Inter-regional Profile.)

The DBSA regularly publishes and has information on a regional level on the following:

1. Population
2. Urbanisation
3. Health Labour and Employment
4. Production and GGP
5. Income and expenditure
6. Quality of life

Information on topics 1–4 is available at the magisterial level.

### ADMINISTRATIVE AND FINANCIAL CAPACITY – TBVC, SGT and regional governments.

- Information on income and expenditures of TBVC and SGT is available (a sample is enclosed).
- Information on Personnel is readily available in aggregate form (see sample). Obtaining it in a disaggregated form is possible but would require approximately 1–2 weeks of lead time. Reliability of disaggregate data is also a problem.
- Information on parastatals could also be obtained, but again will require lead time of 1–2 weeks.

### Data Sources:

1. DBSA (see sample document).
2. Governments themselves.

### TRANSPORT

#### *Reports/Articles*

A.H Naude and T.J de Vos. "Land, transport and housing requirements in different regions and cities." Paper presented at a workshop on land, housing and transport for future urbanisation held at the CSIR Conference Centre 25 May 1988, Pretoria. (available from Andries Naude, Transportek, CSIR, Stellenbosch, Tel: (02231)75101, Fax (02231)833086.

Peter Clark, Henry Marais and Andries Naude. The interaction between sub-regions in Gazankulu and Lebowa and external commercial and employment centres. Document commissioned by the Department of Development Aid, prepared by the National Institute for Transport and Road Research, CSIR, Pretoria, September 1987. (available from Andries Naude, Transportek, CSIR, Stellenbosch, Tel: (02231)75101, Fax (02231)833086.

Peter Clark and Florence Mphahlele. Likely changes in long distance migrant labour movements. Technical Report RT/114, Transportek, CSIR, Pretoria, March 1988. (I have a copy of this report).



J.W.M. Cameron, P.M.E. Clark and A.H. Naude. Present and future settlement, movement and migration patterns in response to urbanisation policies. Report VV187, Department of Transport, Pretoria, October 1987. (Available from Bill Cameron, TRC, Tel: (012) 348 6130 Fax (012) 348 6134).

KwaNdebele Transportation Study, 1991. (This contains detailed origin-destination studies for the area) (Available from Helge Switala, DBSA).

Durban Functional Region, Land Use and Transportation Systems (The Mashikwele Study), October 1990. (This contains detailed information on movement patterns and origin-destination studies for the DFR) (Available from South African Department of Transport or from Johan Viljoen, DBSA)

South African Roads Board, Department of Transport. Road Needs Study, July 1990. (This contains road kilometres and road types per development region + for each of the provinces + for each of the self-governing and independent homelands). (I have a copy of this report).

Kennedy, TL, Transport in Southern Africa.

### **Other Information and data**

Freight transport movements: The Research Unit for Transport Economic and Physical Distribution Studies (RTPS) at the Rand Afrikaans University has an extensive data base on freight transport movements covering the whole of South Africa. Contact Prof Wynand Pretorius (or ask to speak to anyone else working on the database): Tel (011) 489 2085, Fax (011) 4892029.

PWV Transportation Study undertaken by the PWV Consortium includes detailed transport information for the PWV. Contact the PWV Consortium at Tel: (012)803 7930 or Fax (012)803 7943.

All the Metropolitan Planning Departments of the metropolitan areas will have origin destination studies for their metropolitan areas.

Most of the RSCs are in the process of drawing up "Passenger Transport Plans". Most have already employed consultants to undertake the work. Origin-destination studies will be part of this process. The Department of Transport is funding the drawing up of passenger transport plans.

Most of the information on roads in South Africa has been collected on the basis of DBSA's 9 development regions. The South African Roads Board (part of the Department of Transport) has undertaken a "Road Needs Study" (see document listed above). As part of this they collected 1988 average daily traffic figures from the various road authorities for most of SA including the homelands. The information was aggregated according to the development regions but may still be available in disaggregated form. Department of Transport (Mr Daan Visser), could be contacted for further information.

For information on rail transport including rail layout on a regional basis, stations, detailed infrastructure and volumetric flows (freight and passenger) please contact Spoornet. The contact address is: Spoornet Secretariat

Room 1117 Paul Kruger  
Private Bag X47  
Johannesburg 2000  
Tel: (011) 7735090.



## HEALTH

### *Reports/Articles*

DBSA Regional Priorities for Regions A (in draft at this stage) B,C,D,E,F,G,H.

South Africa, An inter-regional profile (DBSA, 1991).

Statistical Abstracts on self-governing Territories in South Africa (DBSA, 1990).

The Objective Indicators for measuring wellbeing (DBSA, Briefing Paper, 1992)

Southern Africa: an interstate comparison at certain salient features (DBSA and Africa Institute, 1989).

Disparity and equality in education with relevance to DBSA's participating states and the requirements to achieve equal education (DBSA, 1982).

Education in South Africa, A Regional Overview (DBSA, 1991).

Key Indicators with Policy Scenarios for the Analysis and Planning of Primary and Secondary Education in South Africa (Quantitative input indicator model).

Changing Health in South Africa: Towards New Perspectives in research, November 1991, The Henry J Kaiser Family Foundation.

South African Medical Journal.

Yach, Derek, Urbanisation and Health in South Africa: The Medical Research Council's Experience: National Programme Activities, 1988-1990.

### **Other Information and data**

There are 13 reports (but especially volumes 5,6,8, and 9), produced by the Centre for Health Policy Studies at the University of the Witwatersrand on a review of the Health System in KaNgwane and the South Eastern Transvaal (August 1991). They provide an excellent published introduction to issues related to access to health facilities.

Accessibility is used by the team as a measure of physical availability of facilities together with measures of the distance and time taken to reach the nearest primary health care service point, hospital, medical doctor or pharmacy.

The Data Base (mentioned above) for Region F & G is on a system called FOXPRO.(D-Base file). The data base is linked to a Geographical Information System (GIS), which has three programmes MAPINFO, IDRISI and REGIS, capable of moving from regional analysis down to the level of individual villages.

For Epidemiological information the system used is EPI-INFO Version 6. This is a public domain information system which is regularly up-dated by the Centre for Disease Control in Atlanta. Currently this data base is capable of growth into the area of epidemiological studies in the private health care sector and plans are in place to begin studies on the quality of services available in Regions F & G to cope with the current epidemiological profile.

## ELECTRICITY

1. The National Electrification Forum Working Groups. Various groups of the Forum have undertaken research on the topic identified below.



- i) Regulatory framework, structure and policy – Contact person: Kevin Morgan – Secretariat tel: 3133517.
  - ii) Tariffs and Financing – Jaap van Deventer (Eskom): tel: 800–4689.
  - iii) Human Resource Issues – Gwede Mantushe, National Union of Mineworkers tel: 833–7012.
  - iv) Supply Technology, Standards and Remote Areas Supply – Howard Whitehead tel: (031) 300–1000. Association of Municipal Electricity Undertakings.
  - v) Facilitation of the Transition of the Electricity Distribution Industry, Billy Cobbett (ANC) tel:
  - vi) End–use of energy and the environment – Johann Basson Department of Mineral and Energy Affairs tel: (012) 320–2100.
  - vii) Data base on the supply and demand side of electricity – Jan de Beer (Eskom) tel: 800–2543
2. Electricity Policy Options as part of the South African Energy Policy Research Project: Dr Anton Eberhard (Energy for Development Research Centre, UCT tel: (021) 650–2827 or Paul Theron at the same centre tel: (021) 650–2833.



**Development Bank  
of Southern Africa**

**Centre for Information Analysis**

**DEVELOPMENT INFORMATION  
FRAMEWORK**



## PREFACE

The list of information categories presented in this document forms the basic framework for the generation/collection, evaluating, processing, storing and dissemination of development information by the Development Bank's Centre for Information Analysis (CIA). All the information referred to in the framework will eventually be stored in the form of time series in a corporate information base on the Bank's mainframe computer.

Apart from the time series information that will be stored in the corporate information base, information of a more ad hoc nature is also collected and stored by CIA. The latter type of information, which will cover a variety of development dimensions, can be obtained from either the **computerized information inventory** or the **statistical library**.

To co-ordinate the activities of the abovementioned facilities, the different information processes have been organized into a newly established unit in CIA called the **Information Clearing House (ICH)**.

The staff component responsible for the managerial and functional activities of ICH and the location of its physical components are as follows:

- : **Department Manager: Data Bank & Information Services:**  
C P Wolmarans : Room No. 1067 - Telephone: 313-3042
- : **Unit Manager: Information Clearing House:**  
Dr J D Berlyn : Room No. 1057 - Telephone: 313-3457
- : **Information Enquiries:**  
A J Mouton : Room No. 1056 - Telephone: 313-3449
- : **Information Inventory and Statistical Library (Rooms 1054 and 1055):**  
Elmarie Oosthuizen: Room No. 1055 - Telephone 313-3379; or  
Jeanine Trollope : Room No. 1059 - Telephone 313-3016
- : **Corporate Information Base:**  
Alta Theron : Room No. 1083 - Telephone: 313-3378

Apart from the provision of information, CIA's Information Analysts can also assist with the analysis/interpretation of the information. The individual Information Analysts whose names appear in the information framework or any of the ICH staff can be contacted in this regard.

Further copies of this framework are available from ICH.



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## NATURAL FEATURES

Geographical basis:      Physiographic regions according to development regions and subregions

Time series:              Most recent year

Contact person:          A J Mouton (Ext 3449)    Alternate: N G Meyer (Ext 3038)

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### Category of information

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**1.    Institutions involved and the nature of their involvement:**

- 1.1    Governmental institutions
- 1.2    Parastatal institutions
- 1.3    Non-governmental institutions (NGO's)

**2.    Land:**

- 2.1    Area of land
- 2.2    Land-use patterns:
  - 2.2.1    Present
  - 2.2.2    Potential

**3.    Physical features:**

- 3.1    Soil (physical and chemical properties, potential and limitations)
- 3.2    Vegetation and carrying capacity
- 3.3    Erosion
- 3.4    Geology and mineral resources

**4.    Climate:**

- 4.1    Precipitation:
  - 4.1.2    Distribution per rainfall station
  - 4.1.3    Evapotranspiration
- 4.2    Temperature:
  - 4.2.1    Agro-ecological temperature regions
  - 4.2.2    Frost and hail
  - 4.2.3    Cloud cover and sunshine
- 4.3    Wind and air quality

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continued/...



Natural Features (continued)

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Category of information

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5. Water resources:

5.1 Surface drainage:

- 5.1.2 Runoff (yield) and utilization
- 5.1.2 Water quality
- 5.1.3 Water reliability

5.2 Groundwater:

- 5.2.1 Actual and potential yields and utilization
- 5.2.2 Water quality
- 5.2.3 Water reliability

5.3 Interregional water transfers

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## POPULATION PROFILE

Geographical basis: Towns, enumerator areas, magisterial districts, states (SA, TBVC and self-governing) & development regions (A-J)

Time series: For each year from 1970 to 1990

Contact person: A J Mouton (Ext 3449) Alternate: J M Calitz (Ext 3659)

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### Category of information

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**1. Institutions involved and the nature of their involvement**

- 1.1 Government institutions
- 1.2 Parastatal institutions
- 1.3 Non-governmental institutions (NGO's)

**2. Population groups (numbers)**

- 2.1 Asians
- 2.2 Blacks
- 2.3 Coloureds
- 2.4 Whites

**3. Variables for each population group**

- 3.1 Male/Female
- 3.2 Urban/non-urban
- 3.3 Level of education
- 3.4 Age structure

**4. Population Development Programme indicators for each population group**

- 4.1 Total fertility rate
- 4.2 Teenage births
- 4.3 Infant mortality rate
- 4.4 Life expectancy
- 4.5 Personal per capita income
- 4.6 Percentage literacy
- 4.7 Percentage children not attending school
- 4.8 Room density

**5. Migration:**

- 5.1 Intra- and interregional migration of different groups
-



## URBAN DEVELOPMENT

Geographical basis: Towns, magisterial districts and development regions (A-J)

Time series: 1980 and 1985

Contact person: A J Mouton (Ext 3449) Alternate: M J Grove (Ext 3466)

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### Category of information

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**1. Institutions involved and the nature of their involvement:**

- 1.1 Governmental institutions
- 1.2 Parastatal institutions
- 1.3 Non-governmental institutions (NGO's)

**2. Urban population:**

- 2.1 Male/Female
- 2.2 Age groups

**3. Educational institutions:**

3.1 Primary and secondary institutions:

- 3.1.1 Schools
- 3.1.2 Classrooms
- 3.1.3 Teachers
- 3.1.4 Pupils

3.2 Tertiary institutions:

- 3.2.1 Institutions
- 3.2.2 Students

**4. Structures:**

4.1 Residential:

4.1.1 Houses:

- (a) Number
- (b) Average number of rooms
- (c) Average room density
- (d) Sewage disposal system:
  - units with pit/bucket system
  - units with flush latrines

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continued/...



Urban Development (continued)

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Category of information

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- (c) Houses with piped water:
      - in-house
      - on stand
      - on street
    - (f) Houses with electricity
  - 4.1.2 Flats
  - 4.1.3 Other residential structures
  - 4.2 Public structures:
    - 4.2.1 Creches
    - 4.2.2 Hospitals
    - 4.2.3 Clinics
    - 4.2.4 Post offices
    - 4.2.5 Police stations
    - 4.2.6 Community centres
    - 4.2.7 Court buildings
    - 4.2.8 Prisons
    - 4.2.9 Fire stations
  - 4.3 Private (non-residential) structures:
    - 4.3.1 Businesses (licenced and unlicenced)
    - 4.3.2 Other
  - 5. Stands:
    - 5.1 Stands available (residential and business):
      - 5.1.1 Occupied
      - 5.1.2 Vacant
      - 5.1.3 Population per occupied stand
  - 6. Recreational areas
-

## LABOUR AND EMPLOYMENT

Geographical basis: Magisterial districts, states (SA, TBVC and self-governing) and development regions (A-J)

Time series: 1970, 1985 and 1990

Contact person: A J Mouton (Ext 3449) Alternate: D J Viljoen (Ext 3043)

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### Category of information

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#### 1. Institutions involved and the nature of their involvement:

- 1.1 Governmental institutions
- 1.2 Parastatal institutions
- 1.3 Non-governmental institutions (NGO's)

#### 2. Labour force:

##### 2.1 Economically active population:

- 2.1.1 Total
- 2.1.2 Male/Female
- 2.1.3 Urban/non-urban
- 2.1.4 Level and type of education and training
- 2.1.5 Labour demand according to skill
- 2.1.6 Per industrial and occupational group
- 2.1.7 Employment:
  - (a) Formal (self-employed and employees):
    - locally employed (supply of and demand for labour)
    - commuters
  - (b) Informal sector and subsistence agriculture (self-employed and employees)
- 2.1.8 Unemployment:
  - (a) Cyclical and structural
- 2.1.9 Underemployment

##### 2.2 Migrant workers

#### 3. Not economically active population:

- 3.1 Total
- 3.2 Urban/non-urban
- 3.3 Male/female

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continued/...



Labour and Employment (continued)

Category of information	
4.	Dependence burden
5.	Male/female absenteeism rate
6.	Participation rate
7.	Income according to level and source
8.	Skills/trades available in specific areas
9.	Local entrepreneurs operating in a specific area
10.	Local building contractors (emerging/established)
11.	Absorption capacities of various regions

## GROSS DOMESTIC/GEOGRAPHICAL/NATIONAL PRODUCT

**Geographical basis:** Magisterial districts, statistical regions, planning regions, states (SA, TBVC and self-governing) and development regions (A-J)

**Time series:** For each year from 1970 to 1989 regarding origin of goods and services  
For most recent year regarding application of goods and services

**Contact person:** A J Mouton (Ext 3449)      Alternate: G J van Heerden (Ext 3102)

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### Category of information

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**1. Institutions involved and the nature of their involvement:**

- 1.1 Governmental institutions
- 1.2 Parastatal institutions
- 1.3 Non-governmental institutions (NGO's)

**2. Origin of goods and services:**

- 2.1 Gross domestic product (GDP) according to economic sector (market and non-market) at current and constant factor cost.
- 2.2 Gross national product (GNP) at current and constant prices

**3. Application of goods and services:**

- 3.1 Private consumption expenditure (C)
  - 3.2 Public consumption expenditure (G)
  - 3.3 Fixed investment (I):
    - 3.3.1 Private investment
    - 3.3.2 Public investment
    - 3.3.3 Gross domestic investment in construction
  - 3.4 Imports (M)
  - 3.5 Exports (X)
-



## AGRICULTURE, HUNTING, FORESTRY AND FISHING

Geographical basis: Magisterial districts, states (SA, TBVC and self-governing)  
Time series: 1985 to 1990  
Contact person: A J Mouton (Ext 3449) Alternate: N G Meyer (Ext 3038)

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### Category of information

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1. **Institutions involved and the nature of their involvement:**
  - 1.1 Governmental institutions
  - 1.2 Parastatal institutions
  - 1.3 Non-governmental institutions (NGO's)
2. **Subjects<sup>1</sup> of agricultural activity:**
  - 2.1 Number of farmers/units
  - 2.2 Number of employees
3. **Farming activity and land-use patterns:**
  - 3.1 Present
  - 3.2 Potential
4. **Agricultural production per subject of agricultural activity:**
  - 4.1 General description:
    - 4.1.1 Subject (project/farmer(s))
    - 4.1.2 Management
    - 4.1.3 Farming activity
    - 4.1.4 Land-use pattern
    - 4.1.5 Number of farmers/employees
  - 4.2 Crop production (dryland and irrigation):
    - 4.2.1 Product (field or horticultural crop)
    - 4.2.2 Area cultivated

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continued/...

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<sup>1</sup> Government, semi-government and private corporate institutions; private commercial farmers and subsistence farmers/community gardens.

Agriculture, Hunting, Forestry and Fishing (continued)

Category of information	
4.2.3	Physical volume produced (marketed and own consumption)
4.2.4	Gross value of production
4.2.5	Marketing (institution or method)
4.3	Livestock and livestock products:
4.3.1	Product
4.3.2	Physical volume produced (marketed and own consumption)
4.3.3	Gross value of production
5.	Livestock statistics:
5.1	Livestock numbers
5.2	Herd composition (cattle)
5.3	Auction sales
5.4	Slaughtering
5.5	Imports, exports and mortalities
6.	Hunting, fishing and game propagation:
6.1	Projects (nature and extent)
6.2	Species
6.3	Permits issued
6.4	Marketing: number sold, hunted or caught
6.5	Price obtained
6.6	Gross value/income
7.	Forestry and woodlot production:
7.1	Name of plantation/location
7.2	Management/ownership
7.3	Type of wood
7.4	Area utilized
7.5	Final products
7.6	Total volume produced (marketed and own consumption)
7.7	Gross value
7.8	Marketing (method or institution)
8.	Cost of production and activity:
8.1	Crop production:
8.1.1	Pre-harvest cost
8.1.2	Harvest cost
8.1.3	Gross margin

continued/...



Agriculture, Hunting, Forestry and Fishing (continued)

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Category of information

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8.2 Animal production:

- 8.2.1 Variable cost
- 8.2.2 Gross margin

9. Marketing according to institution:

- 9.1 Products
- 9.2 Product volume and value
- 9.3 Destination of products
- 9.4 Use of products
- 9.5 Demand for products

10. Financing:

- 10.1 Public and private financing institutions
- 10.2 Recipients of finance
- 10.3 Nature and magnitude of financing

11. Research:

- 11.1 Institutions
- 11.2 Projects

12. Land tenure systems

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## PUBLIC SECTOR FINANCE

Geographical basis: States (SA, TBVC and self-governing) and local authorities  
Time series: For each year from 1981 to 1990  
Contact person: A J Mouton (Ext 3449)

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### Category of information

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**1. Institutions involved and the nature of their involvement:**

- 1.1 Governmental institutions
- 1.2 Parastatal institutions
- 1.3 Non-governmental institutions (NGO's)

**2. Revenue and grants (according to individual sources)**

**3. Expenditure:**

- 3.1 Functional
- 3.2 Economic

**4. Financing:**

- 4.1 Debt holder
- 4.2 Debt instrument

**5. State debt:**

- 5.1 Debt holder
- 5.2 Debt instrument

**6. Financial resources for development**

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## EDUCATION AND TRAINING

**Geographical basis:** Magisterial districts, states (SA, TBVC and self-governing) and development regions (A-J)

**Time series:** 1980, 1985/1986 and 1989 (projections for 1990, 1995 and 2000)

**Contact person:** A J Mouton (Ext 3449) Alternate: M J Grove (Ext 3466)

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### Category of information

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1. **Institutions involved and the nature of their involvement:**
  - 1.1 Governmental institutions
  - 1.2 Parastatal institutions
  - 1.3 Non-governmental institutions (NGO's)
2. **Pre-primary schools:**
  - 2.1 Schools
  - 2.2 Pupils
3. **Primary and secondary education per population group and type of school:**
  - 3.1 Schools
  - 3.2 Classrooms
  - 3.3 Teachers:
    - 3.3.1 De facto situation
  - 3.4 Pupils:
    - 3.4.1 Pupils per standard:
      - (a) Male
      - (b) Female
    - 3.4.2 Examination results per standard (std 4 to std 10):
      - (a) Male
      - (b) Female

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continued/...

Education and Training (continued)

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Category of information

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3.4.3 Secondary education: number of school leavers per standard:

- (a) Male/female
  - Maths
  - Science
  - Technical drawings
  - Computer science
  - Home economics
  - Agricultural science
  - Commerce
- (b) Dropout rates/repeater rates/promotion flows

4. Tertiary education:

4.1 Colleges, technikons and universities:

- 4.1.1 Lecture rooms
- 4.1.2 Staff lecturers
- 4.1.3 Students
- 4.1.4 Graduates per degree and course:
  - (a) Male
  - (b) Female
- 4.1.5 Examination results per course:
  - (a) Male
  - (b) Females
- 4.1.6 Dropout rate per course:
  - (a) Male
  - (b) Female

5. Adult training (non-tertiary):

5.1 Group training centres, private training centres and private training schemes:

- 5.1.1 Public funded
  - 5.1.2 Private funded
  - 5.1.3 Level and nature of training
  - 5.1.4 Teachers/lecturers
  - 5.1.5 Trainees per course:
    - (a) Male
    - (b) Female
-



## HEALTH

Geographical basis: States (SA, TBVC and self-governing) and development regions (A-J)

Time series: For each year from 1985 to 1989

Contact person: A J Mouton (Ext 3449) Alternate: J M Calitz (Ext 3659)

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### Category of information

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**1. Institutions involved and the nature of their involvement:**

- 1.1 Governmental institutions
- 1.2 Parastatal institutions
- 1.3 Non-governmental institutions (NGO's)

**2. Fixed treatment points:**

- 2.1 Hospitals, clinics and health centres:
  - 2.1.1 Beds
  - 2.1.2 Doctors
  - 2.1.3 Nurses
  - 2.1.4 Supplementary health personnel
  - 2.1.5 Admissions and outpatient attendances

**3. Health profile of population per notifiable disease (including AIDS)**

**4. Nutritional indicators**

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# WORLD BANK POVERTY STUDY

## Papers:

## Proposed teams:

1.	Access to credit	Marie Kirsten, Gerhard Coetzee, Stanley Matsebula,
2.	Access to education and training	Derrick Coetzee, Tobie Verwey, Kugen Naidoo, Alta Theron
3.	Access to energy	Deon Stassen, Andries Mouton
4.	Access to health facilities	Johan Calitz, Prem Govender, Bruce Edwards
5.	Access to land	Nico Meyer, Craig McKenzie
6.	Access to media	Heloise Henning
7.	Access to recreation	Julie Clarke
8.	Introduction, regional overview	Janine Erasmus
9.	Economic growth	Booye Rousseau
10.	Environment/pollution	Pam Baskind, John Holland
11.	Housing, settlements	Glynn Davies, Jan Olivier
12.	Income distribution	Dirk van Seventer
13.	Income and wages, poverty lines	David Viljoen, Faried Manuel
14.	Conclusion	Janine Erasmus, Mike Muller, Milla McLachlan, Mosebjane Malatsi
15.	Labour legislation	Gillian Garner
16.	Literacy and skills	Derrick Coetzee, Kugen Naidoo, Tobie Verwey, Alta Theron
17.	Migration	David Viljoen, Johan Calitz
18.	Mortality, morbidity	Johan Calitz, Bruce Edwards
19.	Nutrition	Johan Calitz, Milla McLachlan, Nico Meyer
20.	Ownership of non-land assets	Gerhard Coetzee, Craig McKenzie, Andries Mouton, Rhoda Seperepere, Dries Coetzer
21.	Population composition	Johan Calitz
22.	Poverty alleviation programmes	Mosebjane Malatsi, Mamathe Kgarimetsa, Doriene Brown
23.	Public expenditure	Willie Botha
24.	Transport	Vivienne Lipman, Hannes Sauerman
25.	Unemployment, informal sector	David Viljoen, Faried Manuel
26.	Water and sanitation	Mike Muller, Barry Jackson



# Regional Studies : Contact list

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Date :Tuesday, March 09, 1993

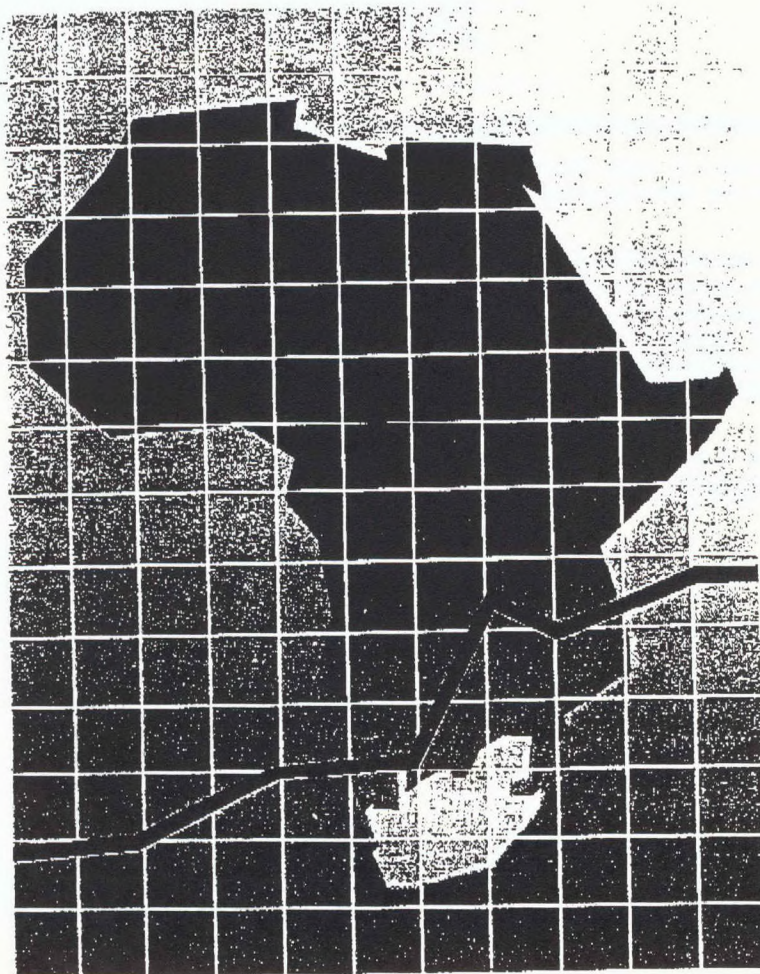
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# Health Trends in south africa

Department of National Health and Population Development

