

# SEVENTH EUROPEAN EMME/2 USERS CONFERENCE

## EMME/2 TRANSPORTATION MODELLING IN A NEW SOUTH AFRICA: INTEGRATED LAND-USE PLANNING - TESTING FUTURE TREND AND LAND USE DEVELOPMENT OBJECTIVES IN THE GREATER PRETORIA METROPOLITAN AREA

### 1. FOCUS OF PRESENTATION

The focus of this presentation is to give an overview of a new and innovative integrated planning approach in a post apartheid South Africa, with the integrated and multi-modal EMME/2 model being the basic planning tool.

### 2. BACKGROUND

#### 2.1 Location and features of the Greater Pretoria Area.

Pretoria is the administrative capital city of South Africa. It forms part of the Gauteng Province and is located approximately 65 kilometres north of Johannesburg. The Greater Pretoria has a population of 1.48 million people and provides approximately 710 000 job opportunities. Pretoria contributes 23.4% of the Gauteng's GGP and Gauteng 37.8% of South Africa's GDP.

#### 2.2 Historical and development patterns in Pretoria

Pretoria developed, like typical other cities in South Africa, on a radial base, with the Central Business District (CBD) being the major activity centre. Due to apartheid legislation Blacks, Asians and Coloureds were relocated to separate townships. Mamelodi (east), Atteridgeville (west) and Garankuwa, Winterveld, Mabopane and Soshanguve (north west) are typical examples of traditional black areas. Laudium (west) and Eersterus (east) are the Asians and Coloured townships respectively, with Whites located in the central, northern, south eastern and southern portions of Pretoria. This social pattern is expected to continue, even with the demise of apartheid laws.