

# NATIONAL LEGACY REPORT

for the greening of the  
2010 FIFA World Cup™



**environmental affairs**  
Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA



EMBASSY OF DENMARK

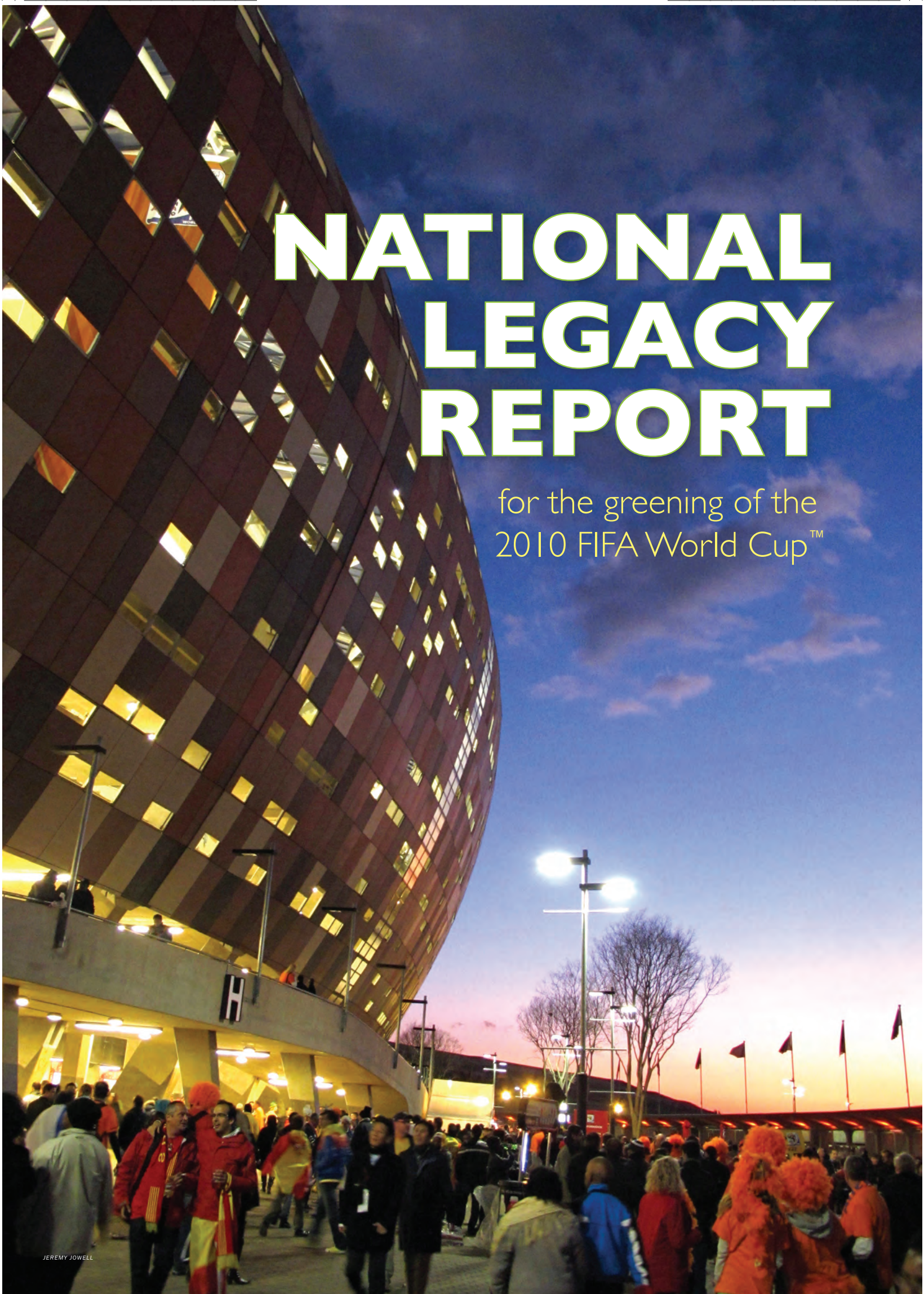






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JEREMY JOWELL







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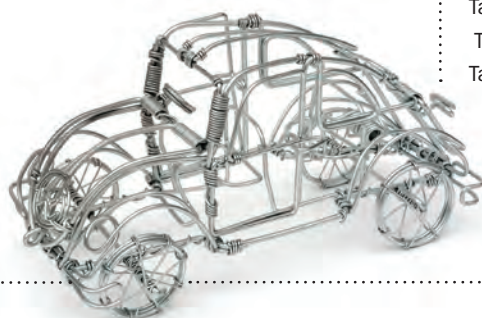






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# Acronyms

- AD** Anaerobic Digestion
- BMS** Building Management System
- BRT** Bus Rapid Transport system
- CDM** Designated National Authority for Clean Development Mechanism
- CEF** Central Energy Fund
- CER** Certified Emissions Reductions
- CFL** Compact fluorescent light
- DANIDA** Danish International Development Agency
- DEA** Department of Environmental Affairs (Previously DEAT)
- DEAT** Department of Environmental Affairs and Tourism
- DEFRA UK** Department for Environment Food and Rural Affairs
- DME** Department of Minerals and Energy
- DSM** Demand-side management
- DSW** Durban Solid Waste
- DTI** South African Department of Trade and Industry
- DWEA** Department of Water and Environmental Affairs
- EMP** Environmental Management Plans
- EPCPD** Environmental Planning and Climate Protection Departments
- Eskom** Electricity Supply Commission (SA's national provider of electricity power)
- FTTSA** Fairtrade Tourism South Africa
- GEF** Global Environment Facility
- IPCC 4AR** Intergovernmental Panel on Climate Change Fourth Assessment Report
- LED** Light-emitting diode
- NEEC** National Energy Efficiency Campaign
- NSWHP** National Solar Water Heater Project
- PINS** Project Identification Notes
- PRASA** The Passenger Rail Association of South Africa
- PVAs** Public Viewing Areas
- SABS** South African Bureau of Standards
- SAFA** The South African Football Association
- SAPIA** South African Petroleum Industry Association
- SAPP** The Southern African Power Pool
- SASAS** South African Social Attitudes Survey
- SBAT** Sustainable Building Assessment Tool
- SMME** Small, medium and micro-enterprises
- SRPP** Social Responsibility Policy and Projects
- UEMP** Urban Environmental Management Programme
- UNDP** United Nations Development Programme
- UNEP** United Nations Environment Programme
- UNFCCC** United Nations Framework Convention on Climate Change



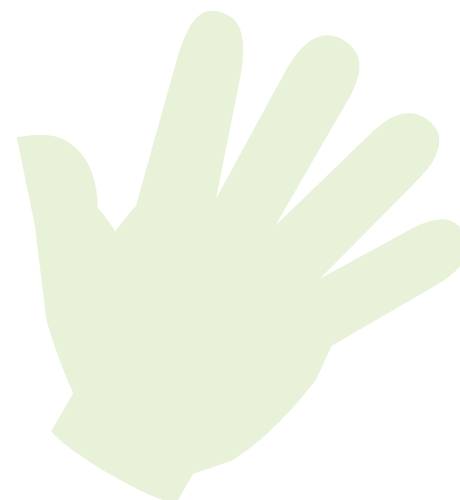
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  - The City of Polokwane;
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  - The City of Rustenburg;
  - The City of Cape Town;
  - The City of Durban (eThekweni);
  - Nelson Mandela Bay Metropolitan;
  - The City of Joburg;
  - The City of Tshwane Metropolitan; and
  - The City of Bloemfontein (Mangaung).

Finally, the efforts of the Greening team and supporting line managers of the Department of Environmental Affairs is acknowledged.

This report was prepared by the WSP team. Our apologies if we have excluded an individual or organisation.







# Green means go

## A foreword from Nosipho Ngcaba, Director-General of the Department of Environmental Affairs

The period leading up to the 2010 FIFA World Cup™ was one characterised by mounting anticipation and enthusiastic preparations. As kick-off day drew closer the atmosphere on the streets of South African cities was increasingly electric – the excitement was palpable. Much of this excitement was due to the fact that the country had seen, from inception to completion, the infrastructural triumphs embodied by the various stadiums and upgrades around the Host Cities. Moreover, the steps taken to mitigate the environmental impact of these and other developments were an example of the respective municipalities' commitment to the effective hosting of an environmentally responsible event. These steps were systematic, overarching, and conscientious.

To ensure that comprehensive consideration was given to all elements affected as a result of development, Environmental Impact Assessments were conducted throughout. In addition, green audits were carried out on a number of select stadiums in order to make certain that green construction and design features were included. Many accommodation facilities undertook to refurbish their facilities by considering and/or implementing the use of both energy efficient and water efficient technologies. Roads were built and public transport infrastructure enhanced to ensure ease of travel and carbon emission reduction due to the smooth flow of traffic. This invariably will contribute to the quality of life of South Africans.

These are just a few of the countless initiatives that make up the country's far-reaching green tapestry. Beyond this, the human element was harnessed in the form of environmental messaging that enabled both visitors and the South African public to engage with, and understand the significance of, greening the 2010 FIFA World Cup™, while environmental volunteers were placed around the country to communicate the need for sustainable environmental management.

This Legacy Report walks you through an overview of the efforts of the National Greening Programme including the initiatives by the Host Cities. These efforts comprised areas of focus within energy, carbon emissions, water, waste management, biodiversity, sustainable tourism, sustainable transport and communications and awareness in ensuring sustainable environmental management. Each chapter also focuses on the legacy for South Africa beyond the hosting of the 2010 FIFA World Cup™.

In recognising the work done, one also acknowledges the sleepless nights, long hours and tireless effort invested by the personnel in the three spheres of government and by our partners. We secured several partnerships between governments of countries, international non-governmental organizations, the private sector in South Africa, sectors of government together with our parastatals, and – most importantly – the support we received from the South African public. Looking back, it is with great satisfaction that we applaud everyone involved in realising the achievement. This report is a celebration of these individuals and of the country.

In the pages to follow, the reader may well be surprised to learn just how extensive and original the projects were. Furthermore, the information presented in the chapters will go a long way to building on the legacy created, and ensure sustained greening of similar events in the future. I am confident that anyone who reads this report will walk away informed, inspired and "Proudly South African".

**NOSIPHO NGCABA**  
**DIRECTOR-GENERAL: ENVIRONMENTAL AFFAIRS**







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