

# **Measuring and engaging regional communities towards sustainability using indicator and strategic tools**

## ***Australian Case Studies***

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# Welcome to Australia

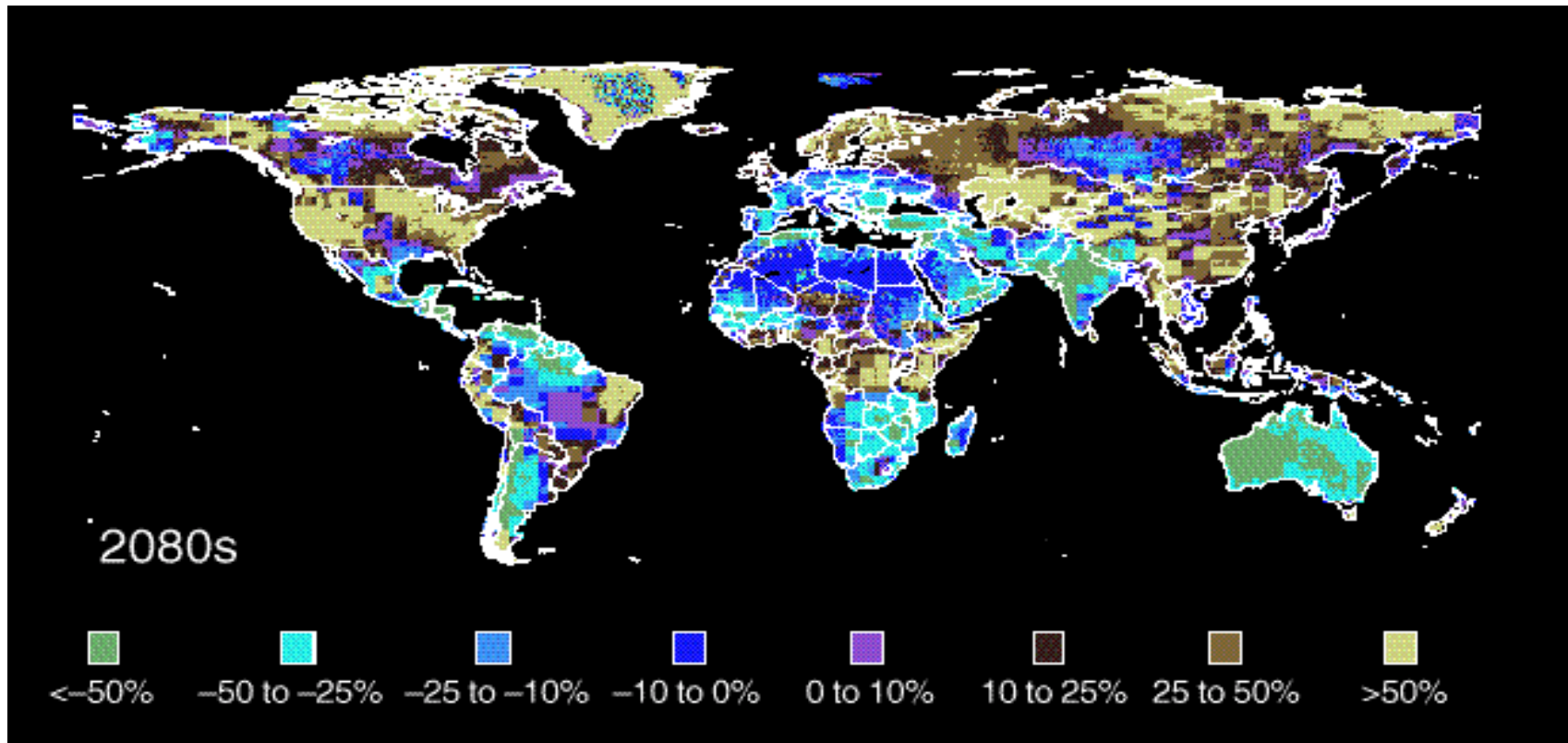


# Earth - Our Natural Capital



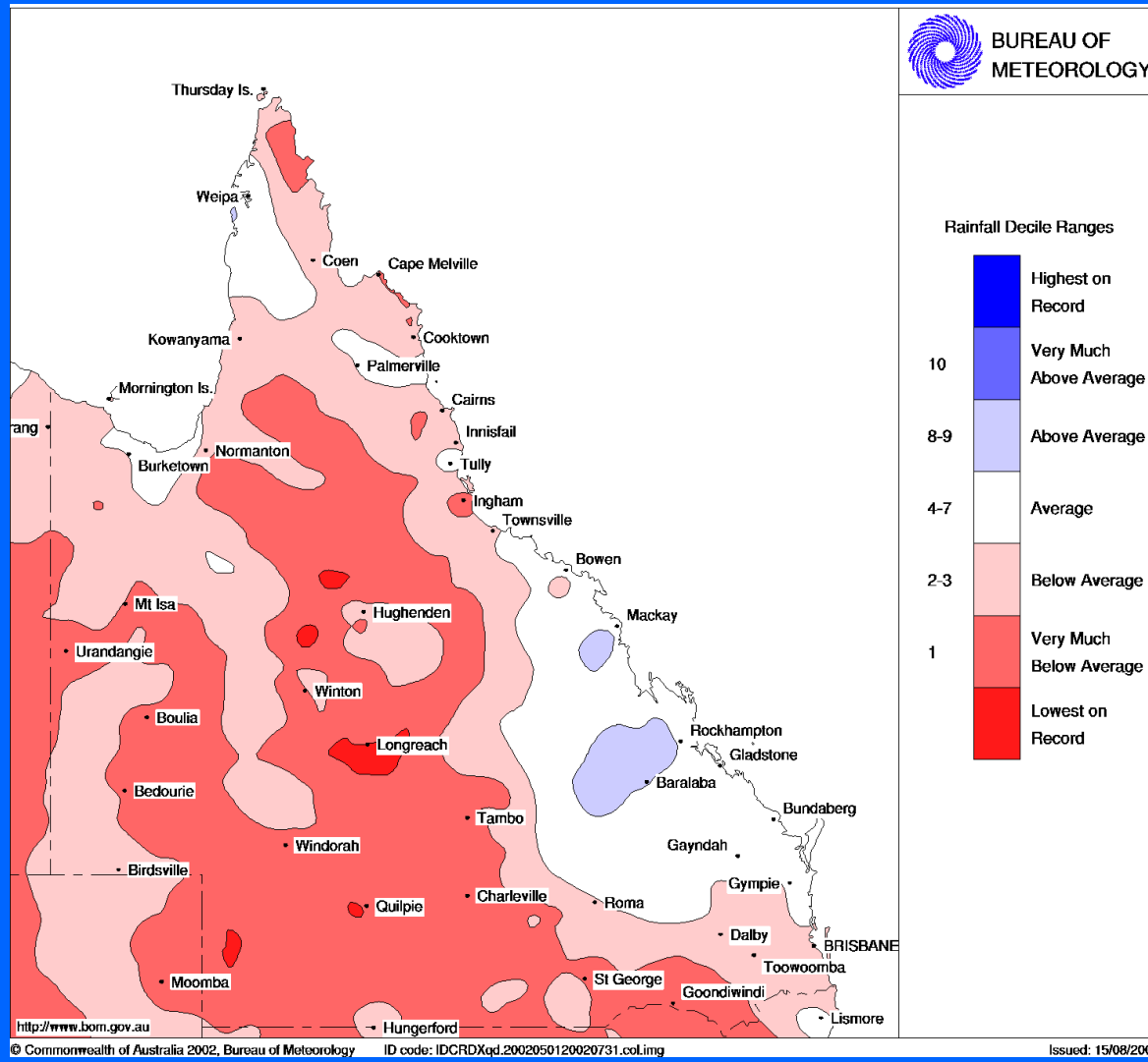
- Australia's environmental challenges are immense.
- About 40% of all forests have been cleared, with more than half the land clearing occurring in the last 50 years;
- Australia has only 0.3% of the world's population; but produces more than 1% of the world's greenhouse emissions – 3 times the average!
- We send about 1 tonne of waste to landfill per person per year - about 20 million tonnes in total;

# Business as Usual - Global Warming - 2080



**Australia could have between 25% and 50% less surface water**

# Queensland Rainfall - 2002

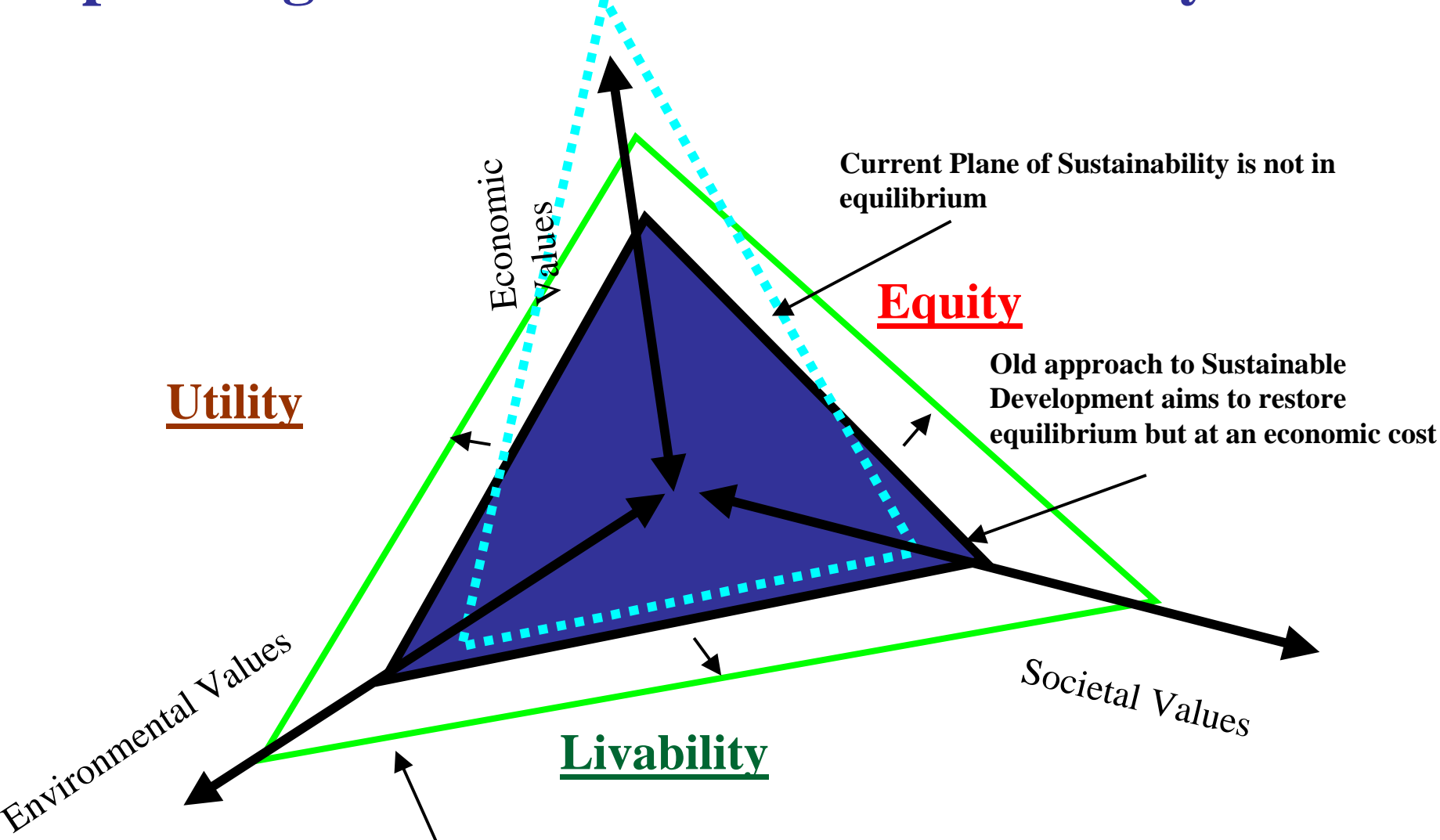


# The Triple Vision Agenda



John Elkington,  
Sustainability Ltd

# Expanding the Threshold of Sustainability



**Utility**

Economic Values

Current Plane of Sustainability is not in equilibrium

**Equity**

Old approach to Sustainable Development aims to restore equilibrium but at an economic cost

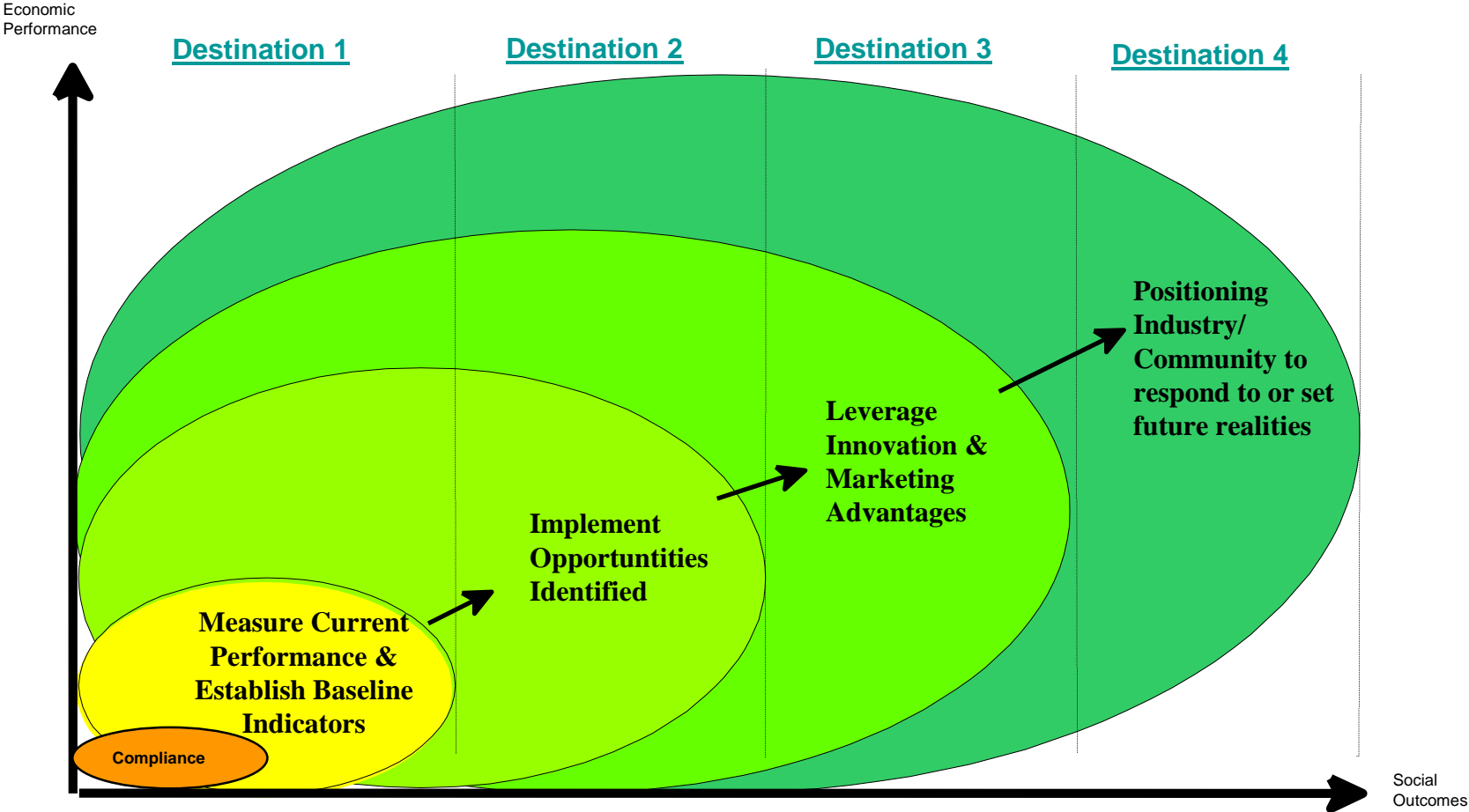
Environmental Values

**Livability**

Societal Values

The new focus on Sustainable Development should extend the plane of sustainability by capitalising on economic, social and environmental multipliers

# Sustainability Roadmap for Industry & Communities



Source: Queensland EPA



# DRAFT Executive Summary

## A Sustainability Report Card for Cairns City LGA

### Subject

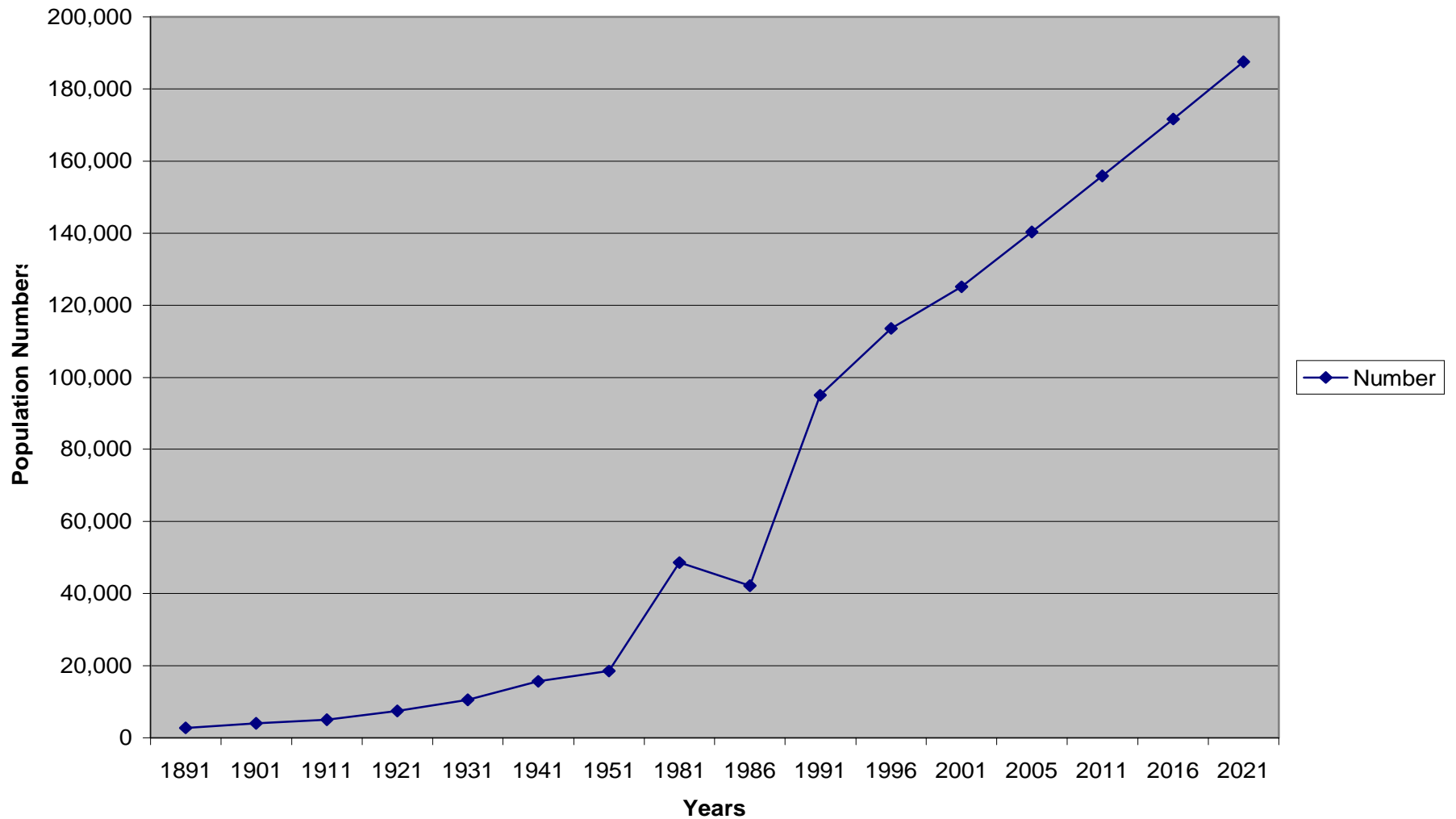
- **Natural Landscapes/Biodiversity**
- **Air Quality**
- **Inland - Water Quality**
- **Coastal – Water Quality**
- **Waste Management**
- **Energy Management**
- **Tourism Development**
- **Employment**
- **Sustainable Building Design**
- **Diverse Economic Structure**
- **Promotion of Sustainable Industry**
- **Appropriate and Affordable Housing**
- **Affordable/Accessible Transport**
- **Community Participation**
- **Appropriate Education**
- **Health**
- **Public Safety**
- **Recognition of Traditional Owners**
- **Cultural Diversity**
- **Cultural Heritage**
- **Cross Cultural Education**

### Performance Status

- **Declining** 😞
- **No data available** ?
- **Declining** 😞
- **No data available** ?
- **No material change** 😊
- **Down** 😞
- **Up** 😊
- **Up** 😊
- **Down** 😞
- **No material change** 😊
- **Increasing** 😊
- **No material change** 😊
- **Down** 😞
- **No data available** ?
- **Improving** 😊
- **Still waiting on data** ?
- **Improving** 😊
- **No material change** 😊
- **Getter better** 😊
- **Getter better** 😊
- **Improving** 😊

# Population Growth for Cairns LGA

Population growth (Past, Present, and Projected) for Cairns LGA



# Population v/s Natural Landscape

Graph showing population growth against natural vegetation cover for Cairns LGA from 1891 - 2021

