

Why We Are Here





Sol Plaatje Municipality South Africa

Energy and Climate Change Strategy (SPECCS)
July 2009



Focus areas of SPECCS

SOCIAL

Targeting poverty alleviation:

Availing access to appropriate, affordable, safe and healthy energy services.

ENVIRONMENTAL

Sustainability:

Linking energy needs in a sustainable way in compliance with local, national and global obligations in relationship to climate change and air pollution.

ECONOMIC

Economic opportunities:

Revitalizing SPM's economy, creating employment and encouraging business looking for "green" investment opportunities.



SPECCS

6 main Objectives + 100 Activities

Promote energy conservation and contribute to national efforts to achieve energy security

Develop alternative energy sources and reduce greenhouse gas emissions, thereby promoting environmental protection and job creation

Enhance access to safe, reliable and affordable energy to improve the health and economic development of residents

Develop municipal capacity in energy and climate change, including improved energy data collection and information management

Address energy concerns in the transport sector including the promotion of effective public transport and non-motorised transport

Engage effectively with business and industry regarding energy efficiency and the promotion of renewable energy technologies

Objective

6

Engage effectively with business and industry regarding energy efficiency and the promotion of renewable energy technologies.



Activity 6.12.4

Encourage longer term large-scale solar thermal or solar photovoltaic power generation opportunities in the municipality and province, as part of diversifying South Africa's overall energy mix.

(In line with the National Government's policy for alternative energy sources)



Vision

To emerge as the solar capital of South Africa, harnessing our rich solar resources and collective efforts to promote economic development, sustainable service delivery and an innovative energy future, thereby fostering Sol Plaatje as:

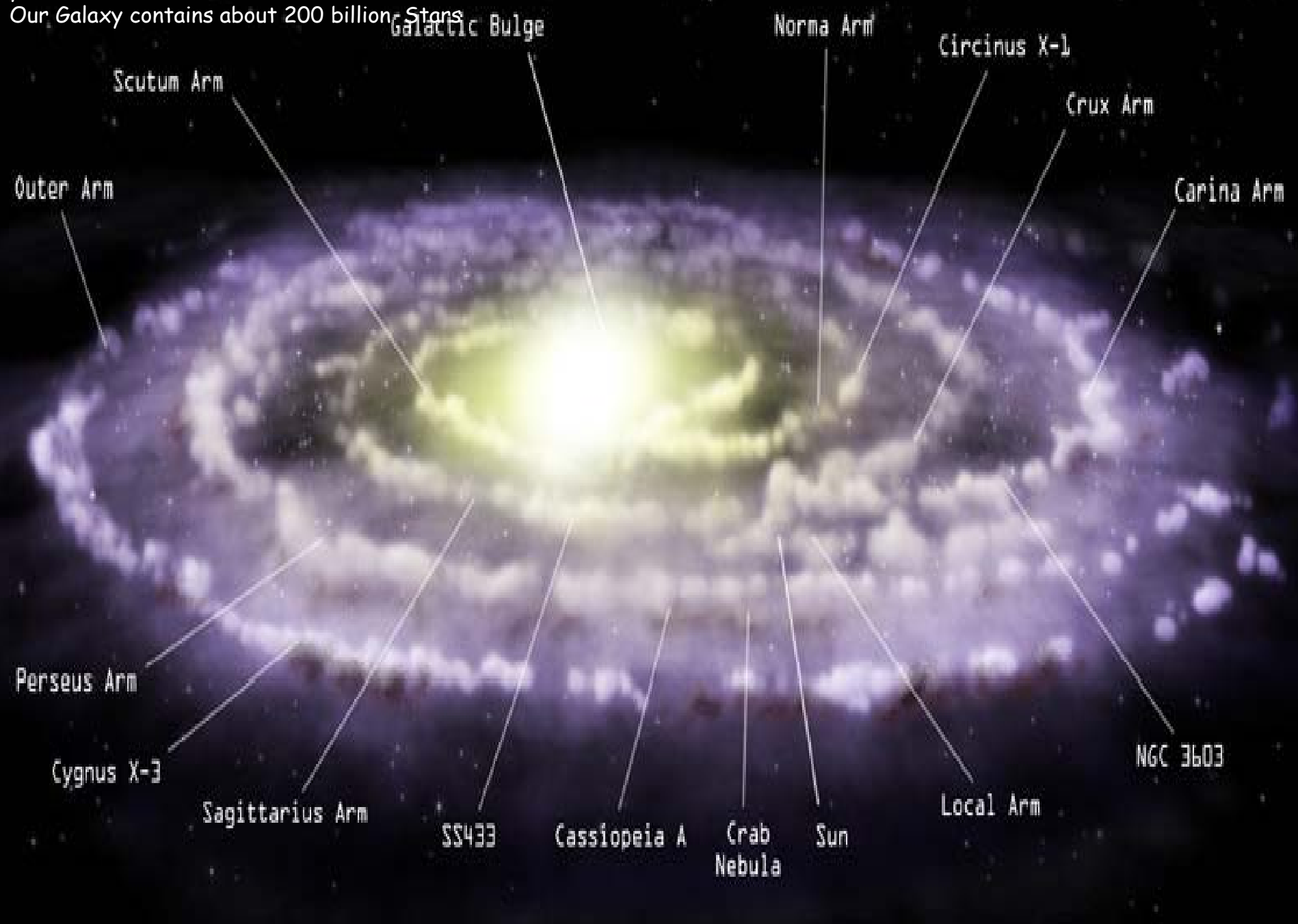
“THE CITY THAT SPARKLES”

Our Precious Earth

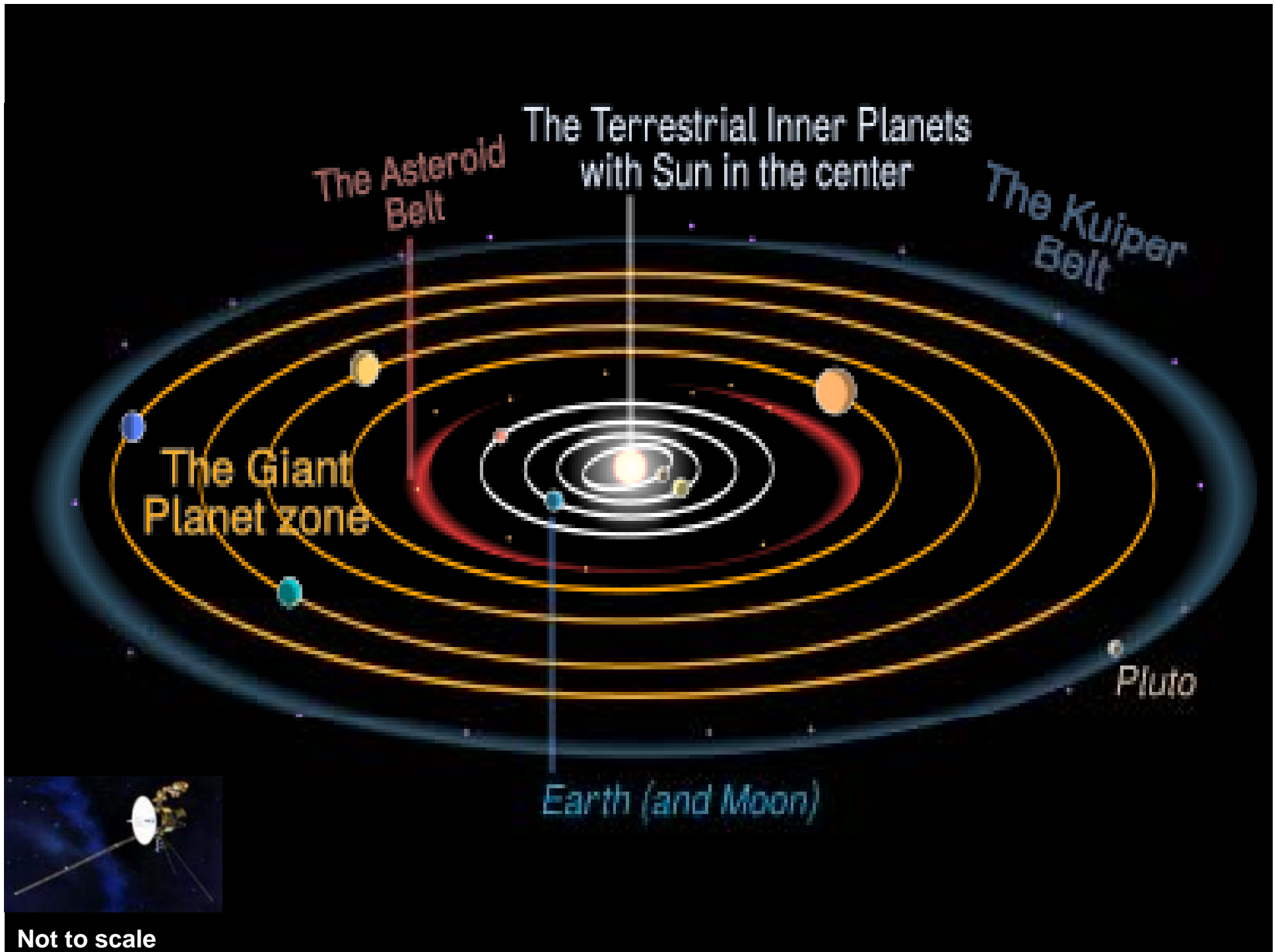


100,000 light years in diameter and 1000 light years thick.

Our Galaxy contains about 200 billion Stars







Not to scale

Sun



Jupiter



Earth

Pluto

Betelgeuse

Antares

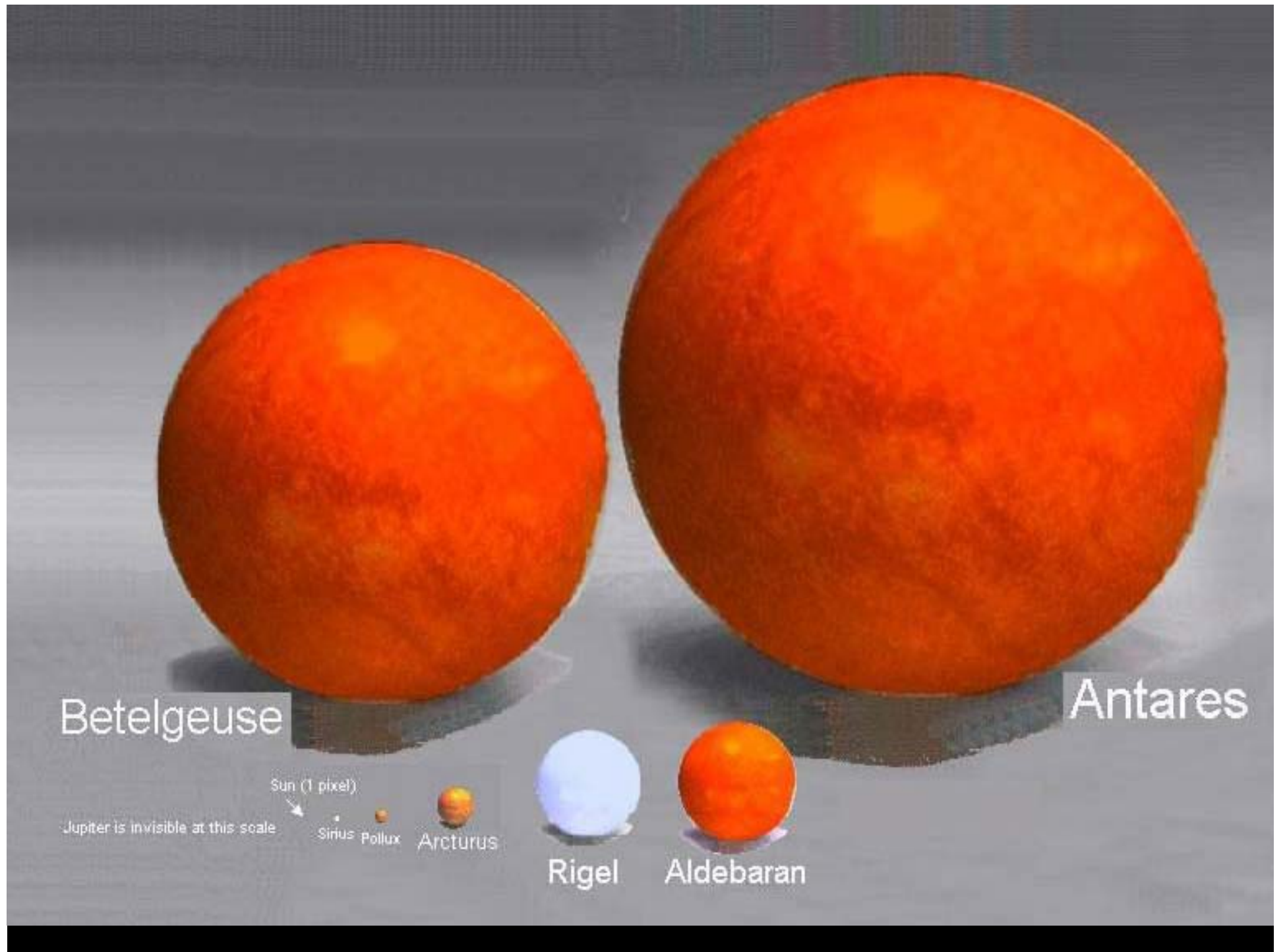
Sun (1 pixel)
Jupiter is invisible at this scale
Sirius Pollux Arcturus

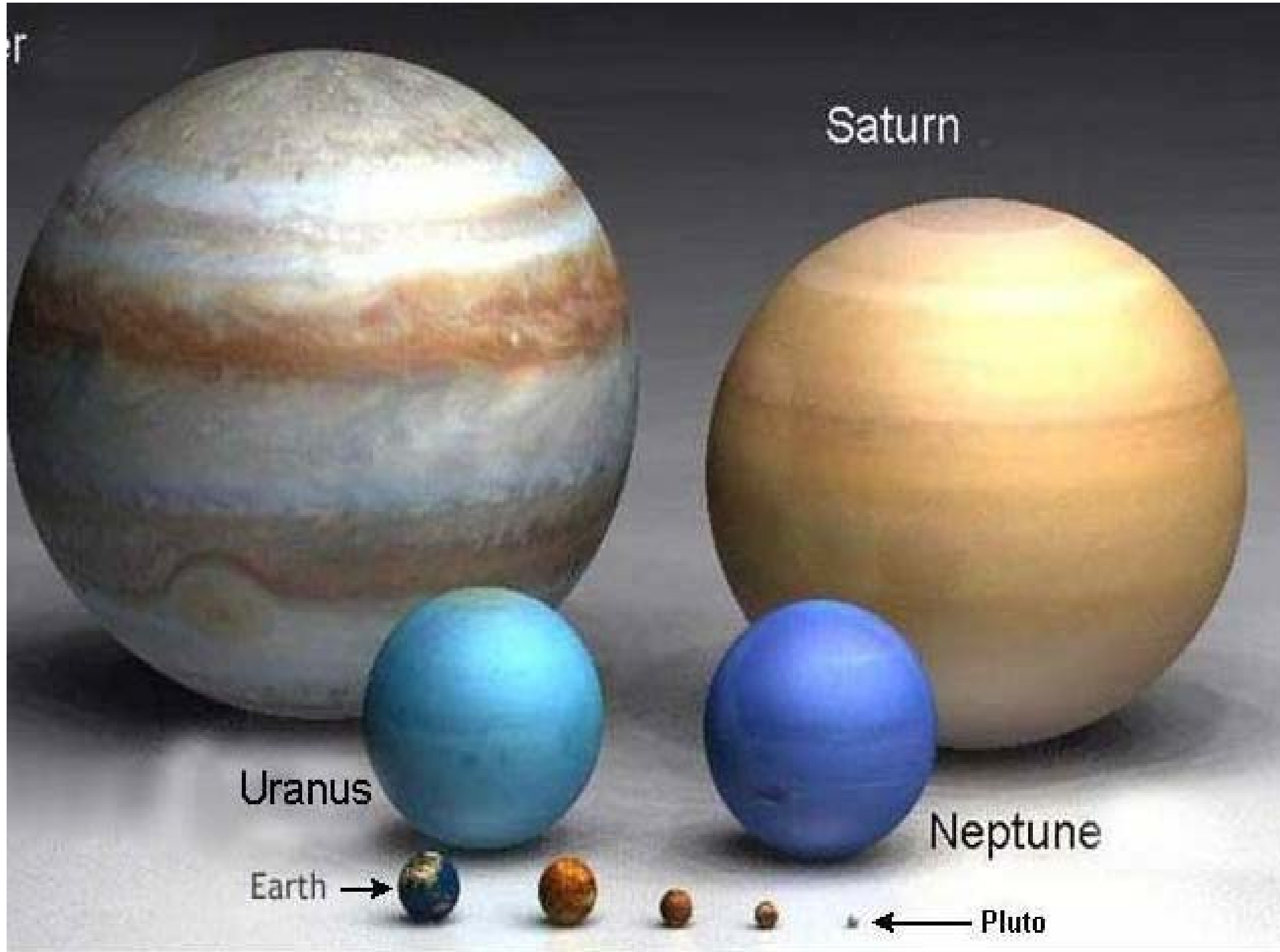


Rigel



Aldebaran





Saturn

Uranus

Neptune

Earth →

← Pluto



Physical Map of the World, April 2001

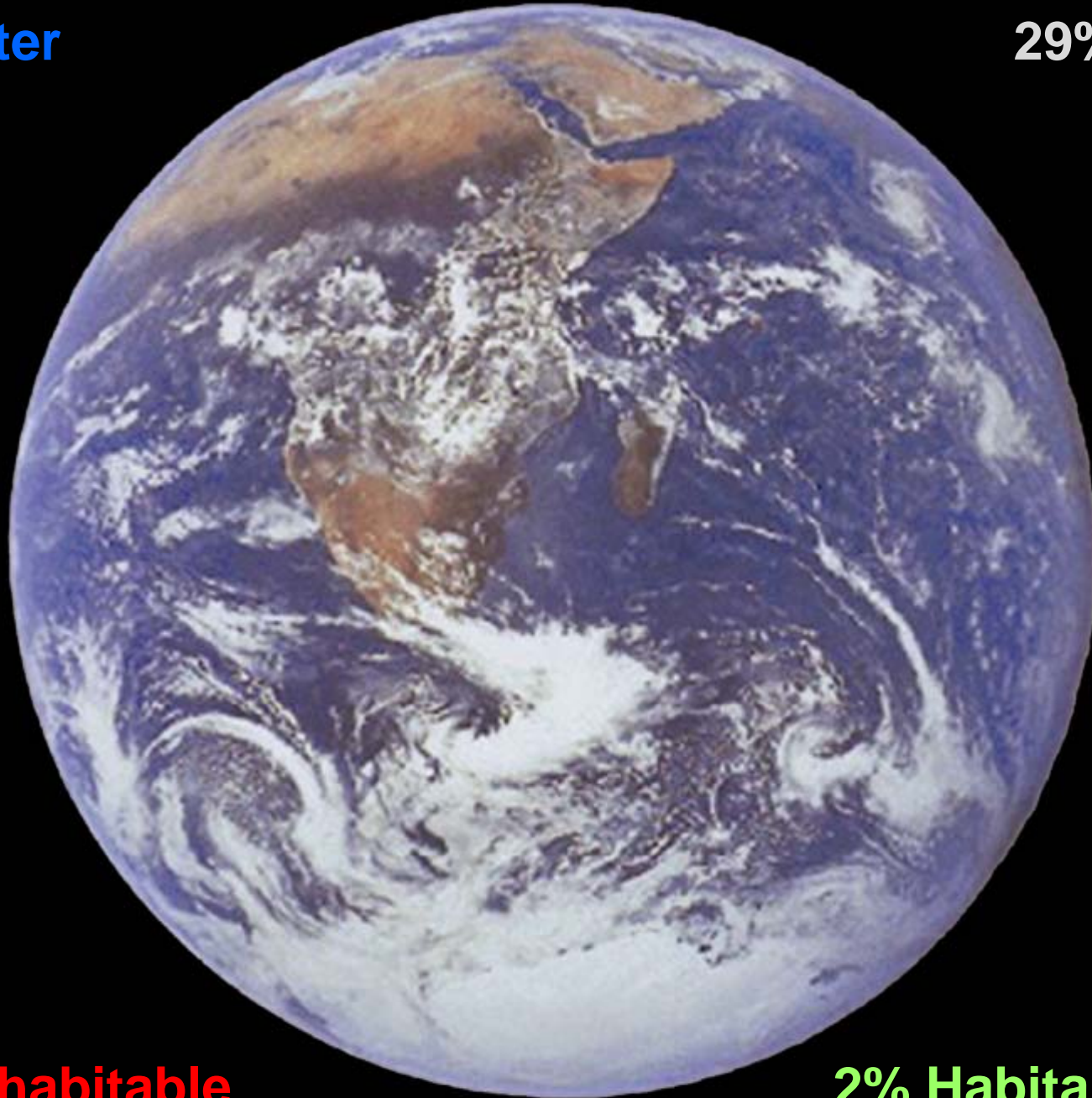
- **INDEPENDENT STATE**
- **DEPENDENCY OR AREA OF SPECIAL KNOWLEDGE**
- **ISLAND / ISLAND GROUP**
- **CAPITAL**
- **MAJOR CITY**
- **OTHER CITY**
- **UNINCORPORATED TERRITORY**
- **UNINCORPORATED TERRITORY**



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71% Water

29% Land



27% Uninhabitable

2% Habitable space

Major Concerns for the Earth and our Future

Population bloom

Continued dependence on the diminishing availability of fossil fuels without switching to alternative energy sources

Depletion of natural resources for energy and food

Global warming and its effects on the earth's climate

Poverty, famine and disease

Wars over arable land and water

What legacy are we to leave our children?

THE EARTH IS IN YOUR HANDS

