



SOUTH AFRICAN
MARITIME SAFETY
AUTHORITY

VHF DATA EXCHANGE SYSTEM (VDES)

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13 February 2017

SAFE SHIPS • CLEAN SEAS



BLUE ECONOMY – AFRICAN CONTEXT



FACTS AND FIGURES

AFRICA



THE ISLAND CONTINENT

- ❑ Largest Island on earth, surrounded by the:
 - ❖ Atlantic Ocean (West)
 - ❖ Indian Ocean (East)
 - ❖ Southern Oceans (South)
 - ❖ Mediterranean & Red Sea (North)
- ❑ Coastline of more than 3,000 km
- ❑ Covers about 6% of the earth's total surface (**2nd only to ASIA**)
- ❑ 39 out of 55 states are either coastal or island in nature
- ❑ Has over 100 port facilities, a few of which handle 6% of the global seaborne trade, and about 3% of the world's container traffic
- ❑ Over 90% of imports and exports are conducted by sea
- ❑ Largest number of “land-linked” countries globally (**15**)

BLUE ECONOMY – AFRICAN CONTEXT.....



- ❑ Already declared and adopted as the future of Africa by the AU (inserted in the 2063 Agenda;
- ❑ Blueprint for Continental economic growth for the next decades;
- ❑ Further strengthened by instruments such as the AIMS2050 and AMTC;
- ❑ Since 2014, SA has been actively engaging and aligned through Operation Phakisa, focusing its four priority areas of:
 - ❖ Marine Transport and Manufacturing,
 - ❖ Oil and Gas Exploration,
 - ❖ Aquaculture,
 - ❖ Marine Protection and Governance, **and recently,**
 - ✓ Coastal Marine Tourism, and
 - ✓ Small Harbours Development



SOUTH AFRICAN PERSPECTIVE: SAMSA MANDATE AND ROLE



Maritime Policy and Mandate rooted on the 1996 Transport White Paper

□ Vision

- ❖ Support Government Strategies for Economic and Social Development, whilst remaining Environmentally and Economically Sustainable.

□ Maritime Policy Imperatives and Goals Articulated as follows:

- ❖ Develop Maritime Awareness;
- ❖ Create and foster economic environment for the Maritime Transport to enable competition with other nations;
- ❖ Contribute to the release of the full potential of the Maritime Industry; and
- ❖ Modernise SA Shipping Administration



SA MARITIME SECTOR DEVELOPMENT: KEY FOCUS AREAS.....



Maritime Skills Development



Infrastructure Development



Ship Registry



Maritime Business Support Services



Maritime Education, Science, Research, Innovation and Technology



STRATEGIC OBJECTIVES



- ❑ Advise policy makers on the formulation of maritime transport policy
- ❑ Manage strategic engagements with relevant stakeholders, undertake industry-related strategic and economic research on topical issues
- ❑ Partner with industry to promote SA's status as a major maritime country, investment promotion and marketing initiatives
- ❑ Foster cross-border research networks and champion maritime interests
- ❑ Monitor manpower supply and demand in various sectors, promote community awareness of career prospects in the maritime industry
- ❑ Provide a one stop information and communication centre / window between domestic, hinterland and international maritime communities, and publish industry information and trends



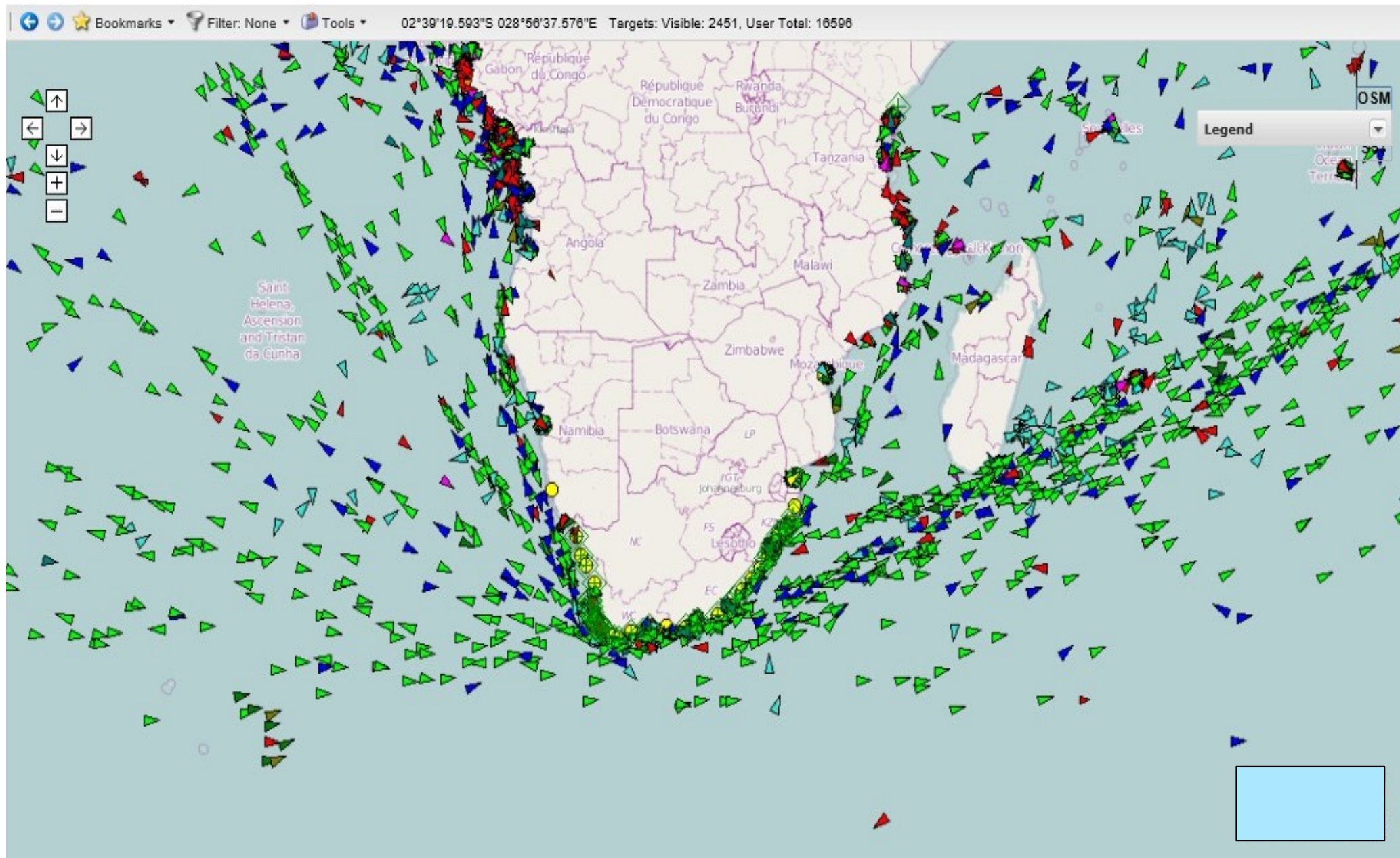
MARITIME RESEARCH, DEVELOPMENT AND INNOVATION



- ❑ Focusing on improving the commercial application of high level science, engineering and technological knowledge.
- ❑ The current and future energy and food security in the age of Climate Change debates present an opportunity for investments in:
 - ❑ Renewable energy sources such as wind and tidal energy
 - ❑ Aquaculture
 - ❑ South Africa's vast Continental Shelf and offshore land areas offers investment opportunities for:
 - ❖ Deep sea mining
 - ❖ Pharmaceuticals
- ❑ The maritime sector is a high technology sector which is changing rapidly. It requires investment in research and development, as well as continuous process and technological innovation
- ❑ Oceanic, Sub-sea and Air gap; Satellite, Terrestrial and Radar



SATELLITE AIS – SOUTHERN AFRICAN CONTINENT - 2,451 VESSELS



SO, WHERE DOES VDES FIT INTO THIS MARITIME PICTURE ?



- What does VDES mean for the Govt, Maritime Authority and Community?
- How will VDES assist South Africa in advancing the Blue Economy?
- What is required of the Maritime Authority/Govt to implement VDES?
- Is there an IMO timeline for implementation?
- Will VDES become a compliance requirement?
- How will VDES impact on the radio communications infrastructure, GMDSS, etc.?
- How will VDES assist in the interchange of information/data between Coastal States and vessels?
- What infrastructure would VDES require ashore?
- What are the cost implications?

Thank You