

Towards a Youthful Integrated Geospatial Information Framework: Guyana's Experience

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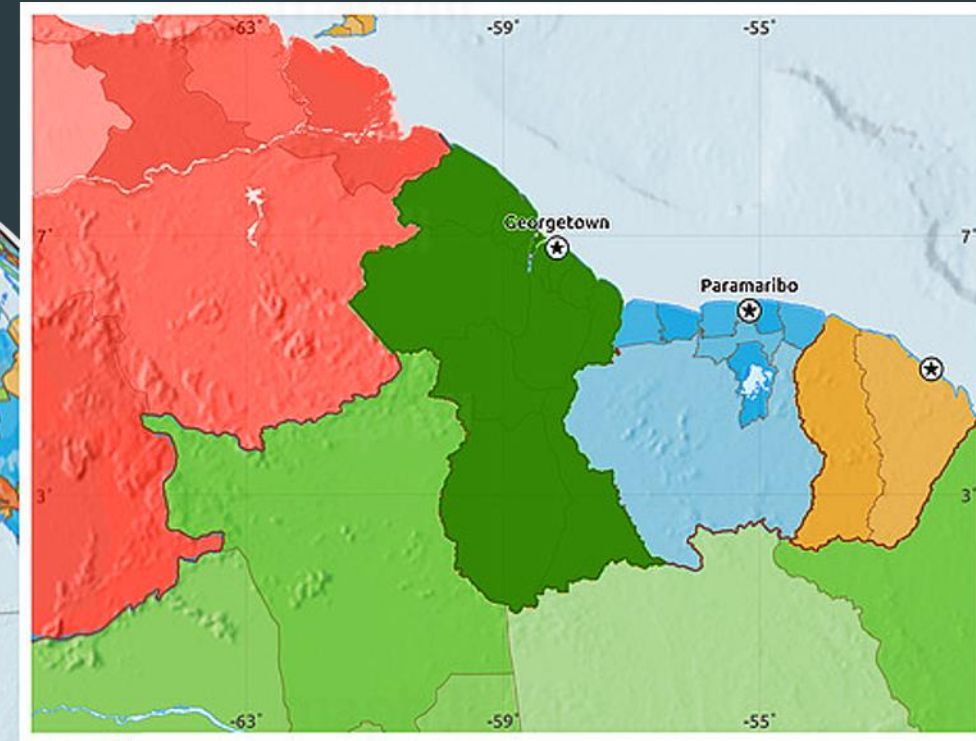
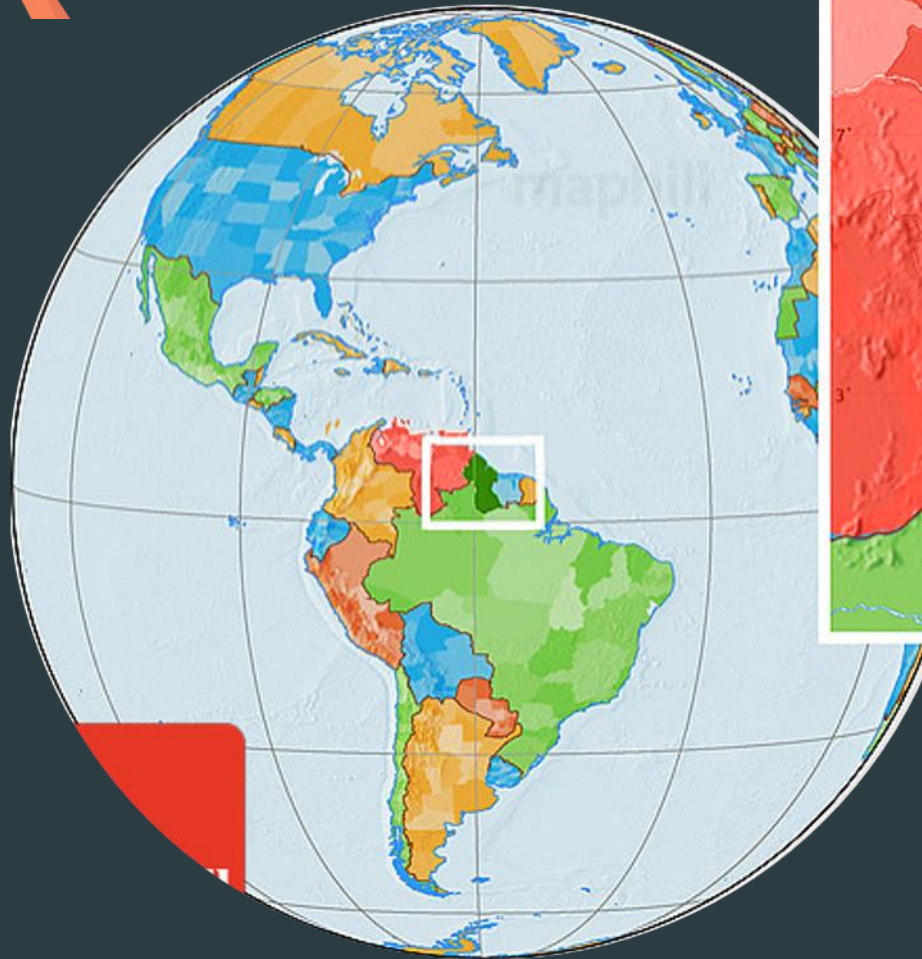
Young Geospatial Professionals Summit Moganshan Hall,
Deqing International Convention Centre
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Everything Happens Somewhere

- Nancy Tosta



- ▶ Population: 748,000
- ▶ Youth Pop. -55%
- ▶ Total Area: 215,000 km² (80% pristine forested area)
- ▶ Forms part of the Amazon Basin
- ▶ On a path of becoming a Green State
- ▶ Great potential for management of Geospatial information



Guyana's Context

Demand Driven: Geospatial information management

- ▶ Guyana's development trajectory is demanding action from geospatial policy and standards
- ▶ Attention is being given to address overlapping laws, legislation and functions
- ▶ Government has allocated considerable resources (capital and non capital)
- ▶ Focus on the reduction of traditional paper based systems

Solutions??

Guyana's Experience in strengthening its Geospatial Information Framework

1. Considerable Political Buy-In
2. Strong institutional Governance through a National Focal Institution
3. Ten technical priority areas of focus
4. Capacity Building across sectors
5. Rich youthful Human Capital Base with a yearning to be involved

VISION 2030: Guyana an
Inclusive, Green and
Prosperous State

Social cohesion and inclusion

Wellbeing, Education and Good life

Sustainable use of biodiversity and
resource efficiency

Decarbonisation and climate resilience

Sustainable finance and investments

Good governance

Green & Inclusive Structural Transformation

Sustainable management of natural resources

Energy – transition towards renewable energy

Resilient infrastructure and spatial development

Human development and wellbeing

Governance and institutional foundations

International cooperation, trade and investment

Financing and resource mobilisation

Indicators, monitoring and evaluation

1. Political Buy-In: Green State Development Strategy (GSDS) Framework

- ▶ Guide Guyana's economic and sociocultural development until 2040.
- ▶ Objective of the strategy is to reorient and diversify Guyana's economy, reducing reliance on traditional sectors and opening up new sustainable income and investment opportunities
- ▶ To achieve the vision, 7 main pillars have been identified.

Green State Development Strategy

GREEN & INCLUSIVE STRUCTURAL TRANSFORMATION



ENERGY – TRANSITION TOWARDS RENEWABLE ENERGY



RESILIENT INFRASTRUCTURE AND SPATIAL DEVELOPMENT



SUSTAINABLE MANAGEMENT NATURAL RESOURCES



2. National Focal Institution: Guyana Lands & Surveys Commission (GLSC) Act of 1999



To have charge of and act as guardian over all public lands, rivers and creeks of Guyana

Guardianship

To formulate policy on geographic and land information and set standards in relation to digital data, establish the framework for a national network of geographic information systems and develop and maintain a parcel-based land information system;

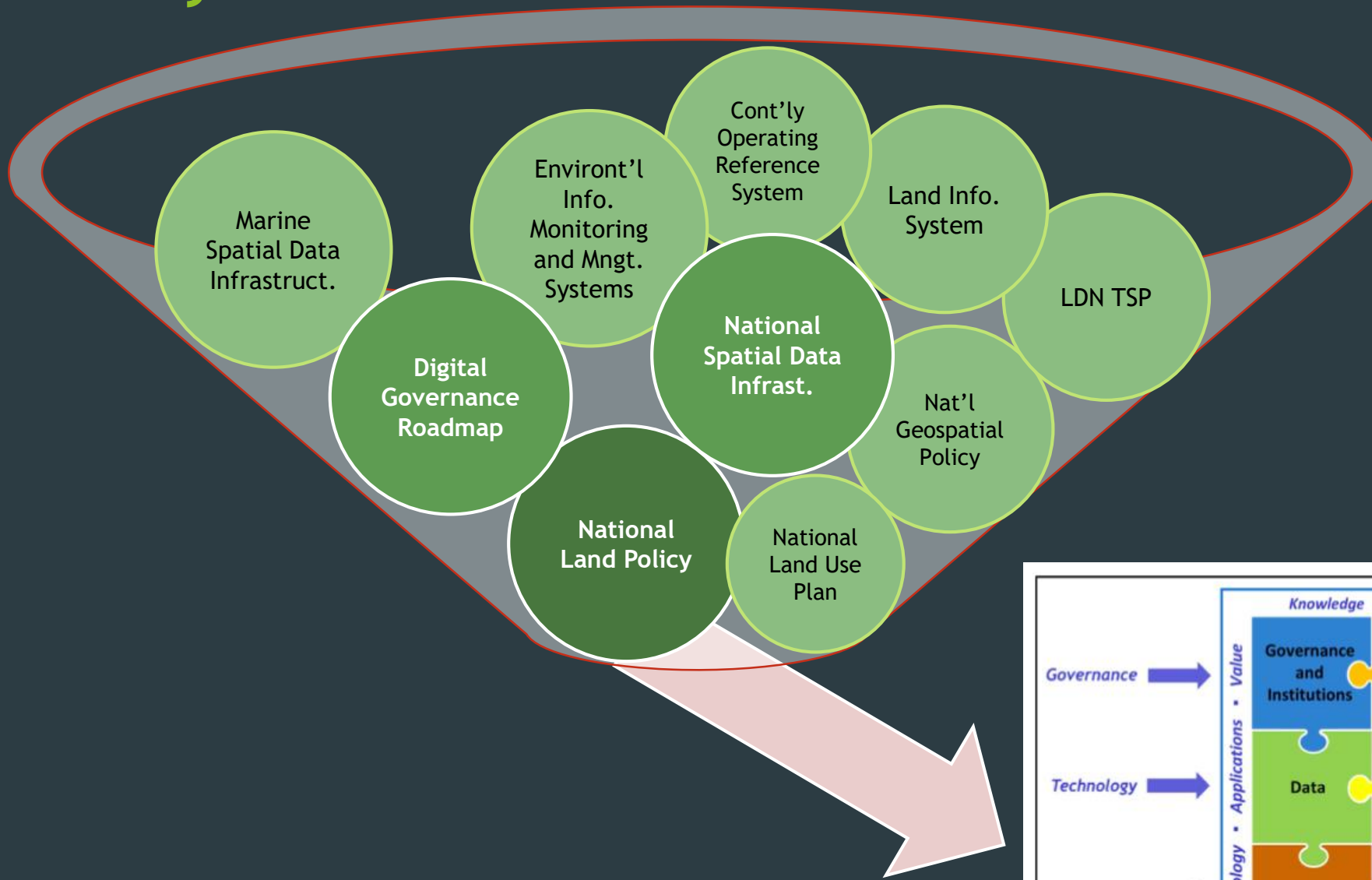
Policy

National Focal Point Agency of United Nations Convention to Combat Desertification (UNCCD), since 2003

National Focal Point Agency of the United Nations Committee of Experts on Global Geospatial Information Management (UNGGIM), since 2017

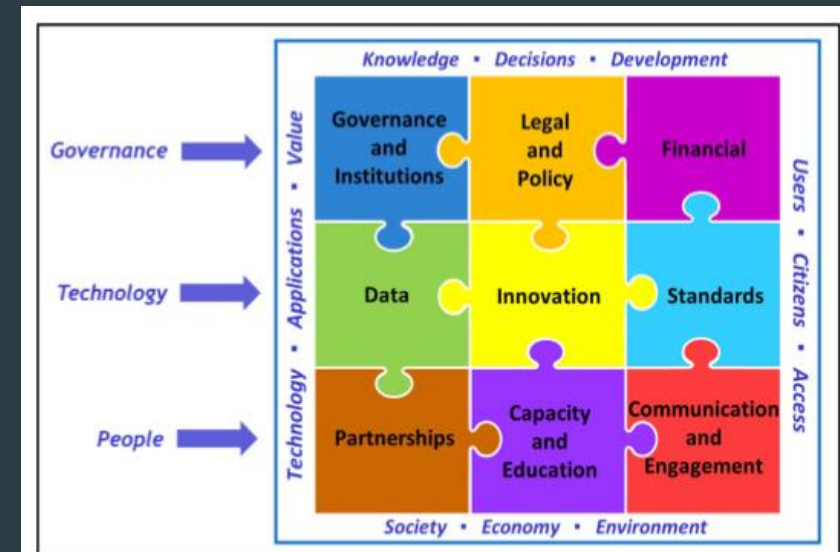
Management

3. 10 Priority Areas & Tools of Focus



LDN TSP - Land Degradation Neutrality Target Setting Programme

INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK



4. Capacity Building- 100% Geo-literacy Target among Youth

- ▶ An effective GIS training programme (ARC GIS & QGIS)- Internal and External Beneficiaries
- ▶ As of 2018 a Diploma in Land Administration and Management is being offered (UWI and UG)- Targets young professionals of the major geospatial based organisations
- ▶ International training opportunities for youth in thematic areas such as Drone Use, operationalization of CORS network and surveying.

4. Capacity Building- 100% Geo-literacy Target among Youth

- ▶ By 2022, establish a national Centre of Excellence for Geospatial information under the Sustainable Land Development and Management Project
- ▶ Deliberate involvement and positioning of young staff to be part of national geospatial information management efforts. Majority of staff base below the age of 35.
- ▶ Encourage the C-I-P-Y Approach as underlying personal attributes for also achieving 100% geo-literacy

1. CONFIDENCE

- ▶ Knowledge based and scientifically sound
- ▶ Speak and Do without fear and hesitancy
- ▶ Trusting instinct and intuition
- ▶ Make Mistakes!

2. INNOVATION

- ▶ No longer Business as usual
- ▶ Digital Age
- ▶ Effective use of Social Media, App Development, Drones etc.

3. PROACTIVENESS

- ▶ Good Things Come to those who GO!
- ▶ Resources are available
- ▶ Networking and Spheres of Influences

4. YOUTH

- ▶ Not only a number but an attitude
- ▶ Enthusiasm, Energy, Zeal
- ▶ Recognise it, harness it and Use to your advantage

Youth is not a time of life, it is a
state of mind, You are as old as
your doubt, your fear, your
despair.

Luealla F. Phean



GLSC

GUYANA LANDS & SURVEYS
COMMISSION

谢谢

Gracias!

Obrigada!

THANK YOU!

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