



HOW TO MAKE BUSINESS WITH SPACE SERVICES IN THE AREA OF EARTH OBSERVATION

BEST PRACTICE EXAMPLES

V

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World Space Forum 2019

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Data Processing GmbH

FROM AN AGE OF
DATA STARVATION
TO AN ERA
OF INFORMATION ABUNDANCE



EO programmes



IT - Advancements



Satellite launches





Earth observation supports LULUCF reporting obligations

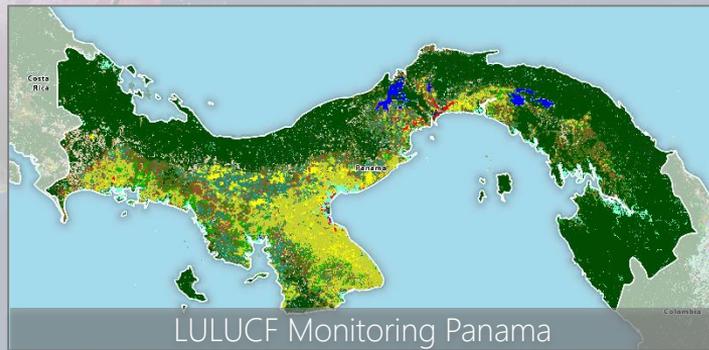


BEST PRACTICE POLICY IMPLEMENTATIONS

ipcc
INTERGOVERNMENTAL PANEL ON
climate change

"Remote sensing is particularly well suited to completely identify lands."

Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol



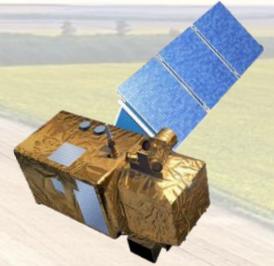


BEST PRACTICE POLICY IMPLEMENTATIONS

CAP CONTROLS WERE
YESTERDAY



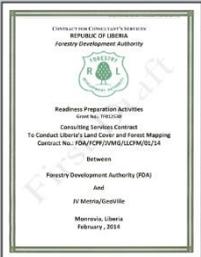
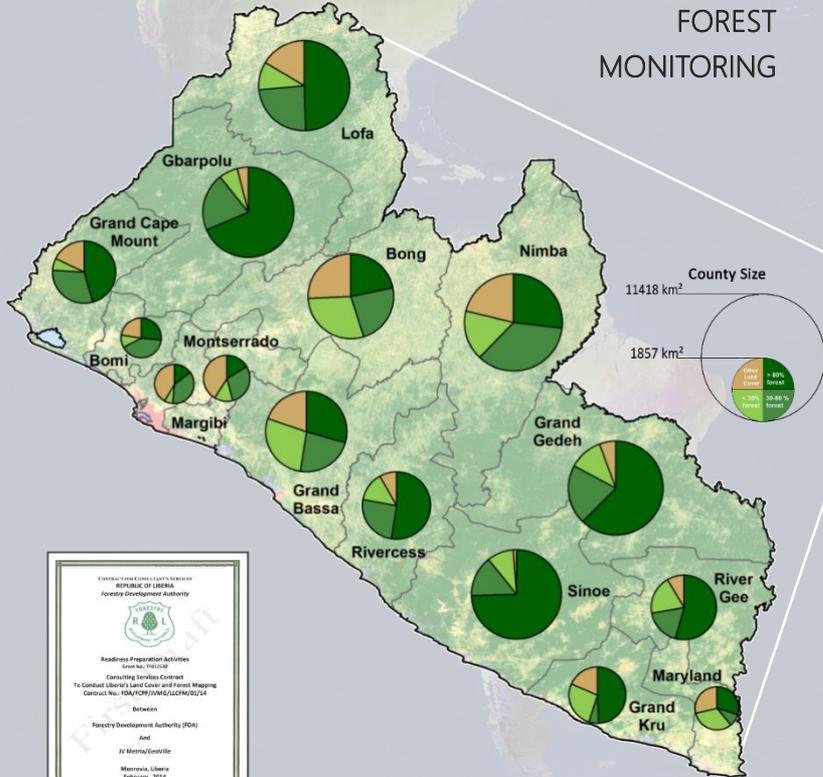
CAP MONITORING
IS TODAY AND TOMORROW



Moving from operational Copernicus
products to post-2020 CAP monitoring

LIBERIA

REDD+ NATIONAL FOREST MONITORING

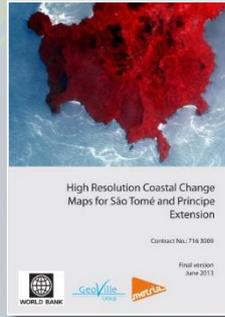


BEST PRACTICE TECHNICAL ASSISTANCE



WHAT ARE ESTIMATED CARBON STOCK CHANGES AND GREENHOUSE GAS EMISSIONS/REMOVALS?

SÃO TOMÉ CLIMATE CHANGE IMPACT ASSESSMENT



São Tomé e Príncipe | Praia Abade
Shoreline comparison

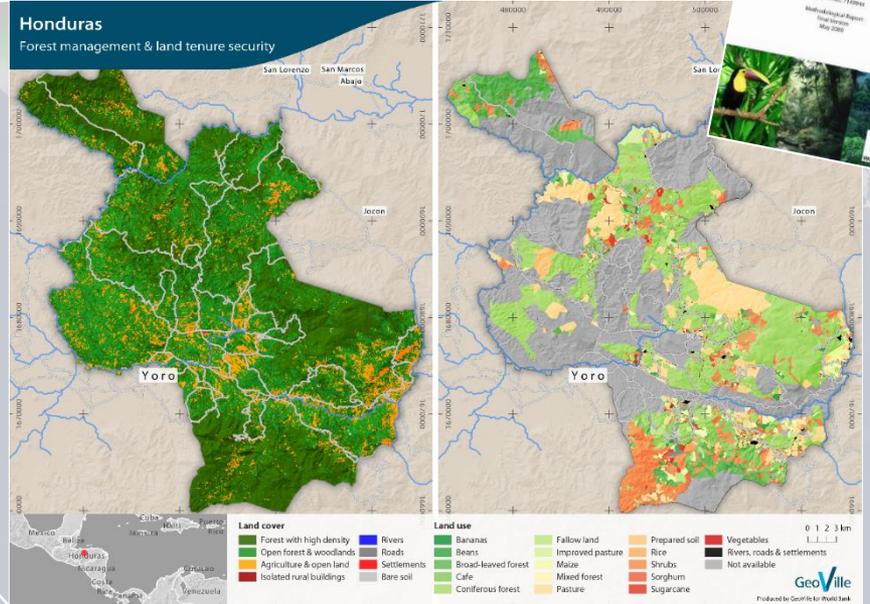
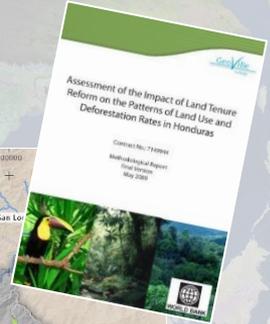


BEST PRACTICE TECHNICAL ASSISTANCE

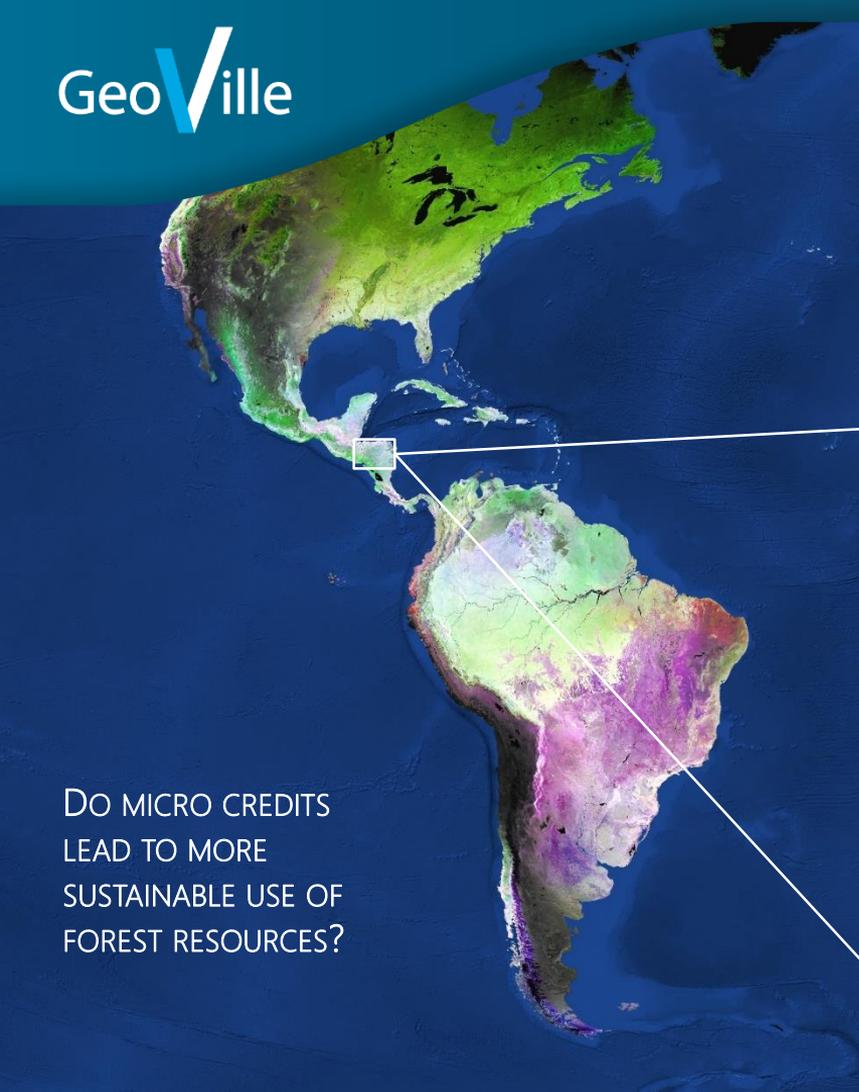
HOW IS SEA LEVEL
RISE EFFECTING THE
SHORELINE AND
SURROUNDED
VILLAGES?

BEST PRACTICE TECHNICAL ASSISTANCE

HONDURAS FOREST MANAGEMENT & LAND TENURE SECURITY

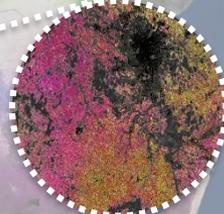
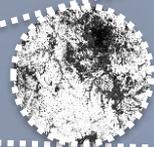
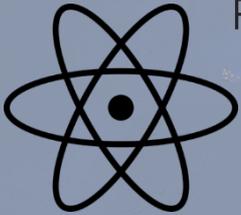


DO MICRO CREDITS
LEAD TO MORE
SUSTAINABLE USE OF
FOREST RESOURCES?



IT'S TIME FOR NEW,
SUCCESSFUL APPROACHES!

TRANSFORMATION OF EARTH
OBSERVATION DATA INTO
REPORTABLE INFORMATION



EXTRACT VALUABLE INFORMATION QUICKLY AND RELIABLY FROM THE LARGE AMOUNTS OF DATA THAT POUR IN FROM SATELLITES!



LandMonitoring.Earth

Global Land Cover Monitoring System



MONITORING ENVIRONMENTAL, ECONOMIC AND SOCIAL CHANGE WORLDWIDE

- ✓ High spatial resolution
- ✓ Dense time intervals
- ✓ Petabytes of EO data
- ✓ Supercomputing power
- ✓ Deep learning analytics
- ✓ Fully-automatic



LandMonitoring.Earth



IS THIS A SUSTAINABLE WAY TO MANAGE LAND?

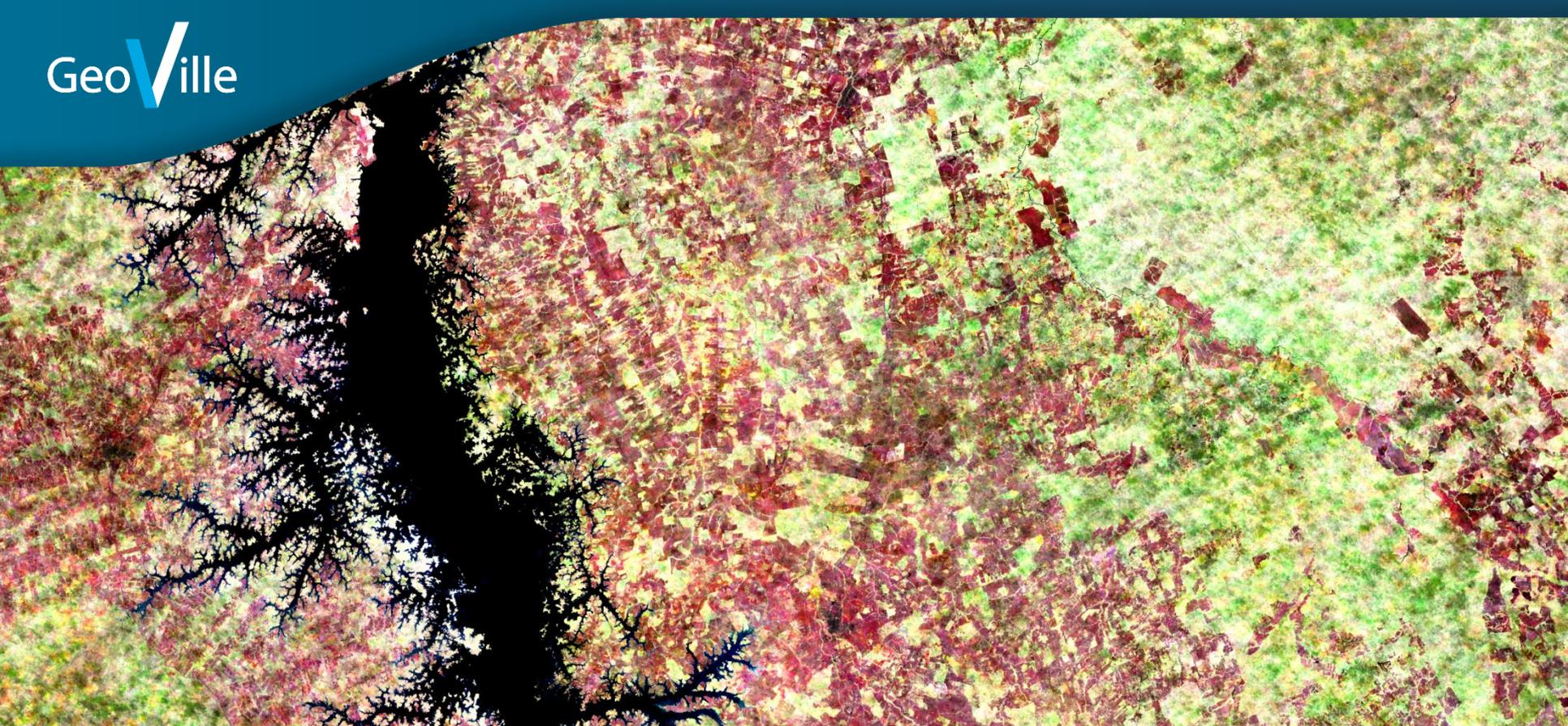


HOW CAN WE SOLVE CONFLICTING WATER NEEDS IN THIS DELTA ?



ARE THESE MANGROVES ENDANGERED FROM SHIPPING?





HOW RAPID IS DEFORESTATION ADVANCING?



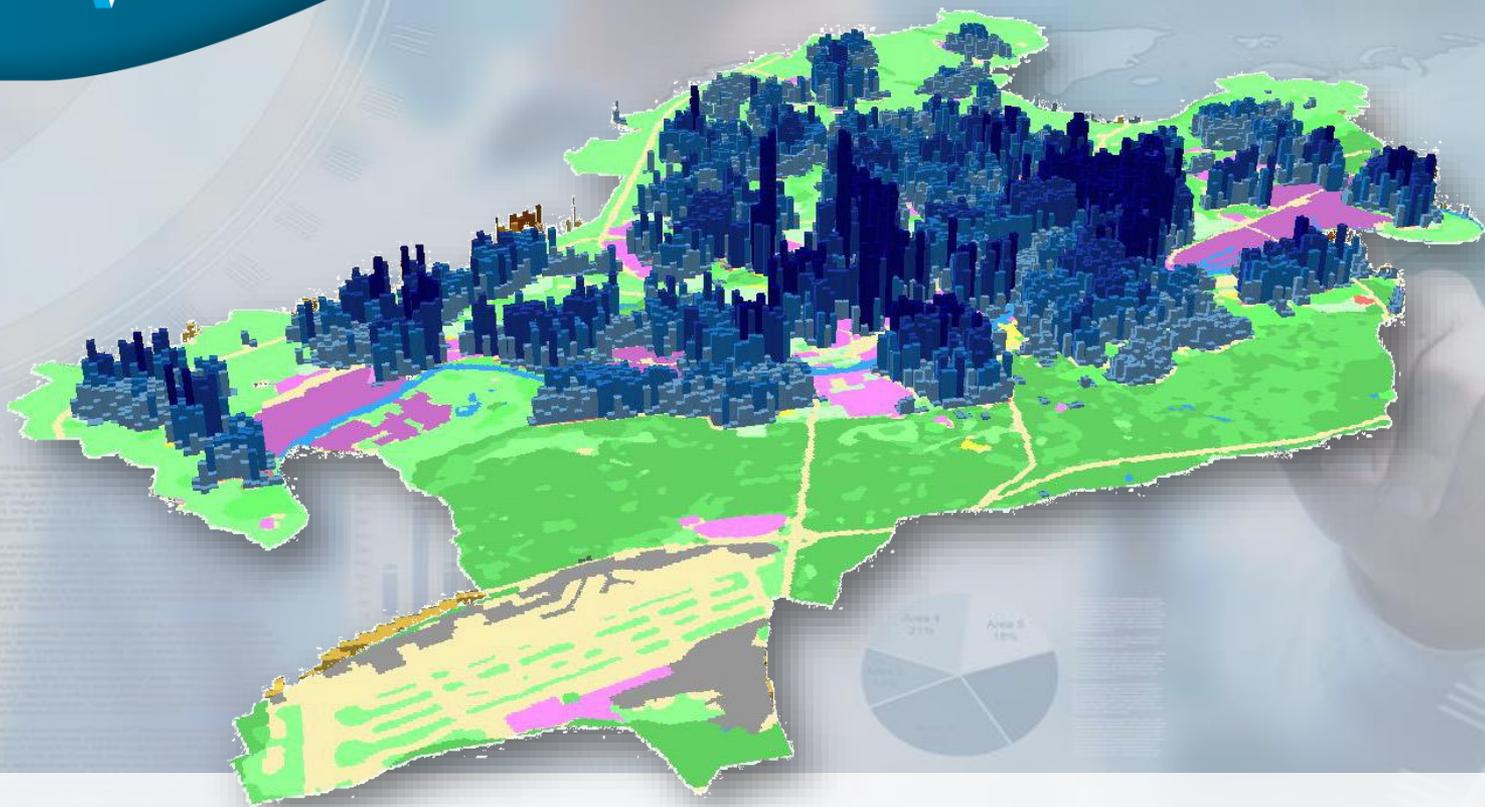
ARE POLITICAL SYSTEMS INFLUENCING LAND USE?



30 year
flood

HOW MANY PEOPLE ARE EXPOSED TO FLOODING?





WHERE ARE PEOPLE DURING DAY AND NIGHT?





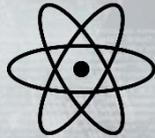
EXTRACTING QUANTIFIED FACTS FROM SPACE IMAGERY

PROVIDING GLOBAL INSIGHTS AT YOUR FINGERPRINTS

20 YEARS INTO THE FUTURE



Armada of satellites



Quantum computing



Theory of mind



Vertical integration

... LEADING TO SEAMLESS AND REAL-TIME
ENVIRONMENTAL MONITORING WITH
LONG-TERM FORECASTING CAPABILITIES
FOR INFORMED DECISION MAKING

