GOFC-GOLD
Global Observation of Forest and Land Cover Dynamics

NASA LCLUC
Land-Cover / Land-Use Change Program

Application of Satellite Remote Sensing for Risk Management

Dr. Tatjana Živković Hansen

Mediterranean Regional Information Network (MedRIN), 20th March 2019

DNV GL is a global quality assurance and risk management company

GOFC-GOLD Global Observation of Forest and Land Cover Dynamics

NASA LCLUC Land-Cover / Land-Use Change Program

Our vision: Global impact for a safe and sustainable future

OUR PURPOSE

TO SAFEGUARD LIFE, PROPERTY AND THE ENVIRONMENT

Mediterranean Regional Information Network (MedRIN)

DNV GL is structured into five business areas

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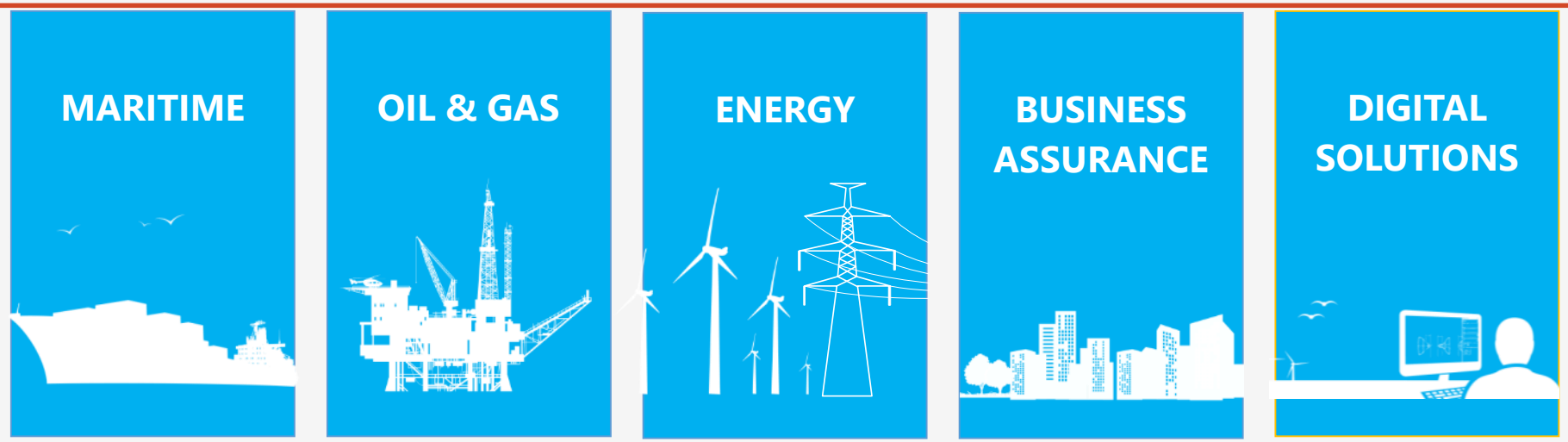

TECHNOLOGY AND RESEARCH

150+ years	100+ countries	100,000+ customers	12,500+ employees

Mediterranean Regional Information Network (MedRIN)

DNV GL has a well-established presence in the Mediterranean

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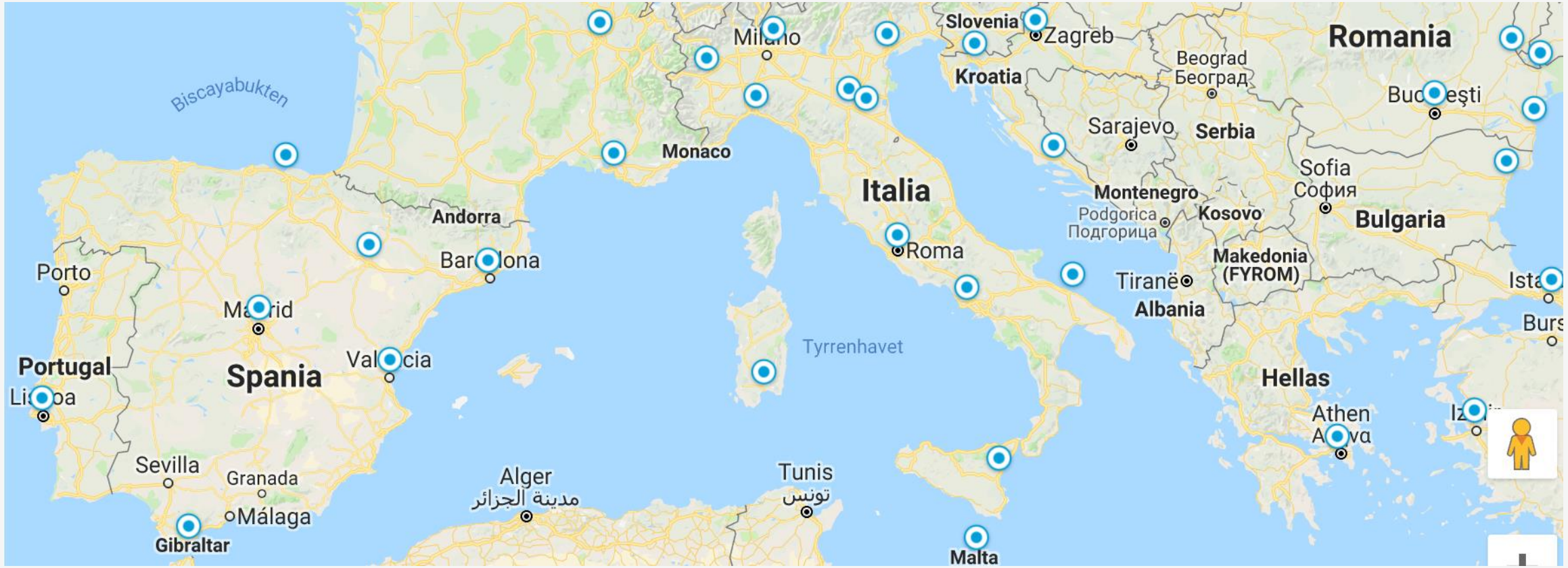
* Blue circles represent DNV GL office location



Mediterranean Regional Information Network (MedRIN)

Digital solutions for managing risk, improving safety and performance

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DNV GL Digital Solutions combines innovative skills in computer science, statistics, machine learning, satellite remote sensing and GIS with deep industry knowledge from our business areas.

Our teams own the full analytics value-chain end to end.

Our team frames new business challenges, build data-intelligence, designs innovative algorithms, creates tools, apps and trains colleagues and clients.

Mediterranean Regional Information Network (MedRIN)

Data Products and Services

Satellite Remote Sensing

- Asset Monitoring
- Hazard Detection around assets
- Development of novel remote sensing data products for assets
- Big data analytics and machine learning algorithms to improve assets risk management

Services Overview

- https://store.veracity.com/700e8596-0467-4ab5-befd-983db2f872b5
- https://www.dnvgl.com/services/satellite-based-remote-sensing-for-energy-infrastructure-141223 (Energy Segment)

Data Science and Machine Learning

- Data maturity assessment
- Data mining
- Predictive models
- Data science courses

Service Overview

- https://store.veracity.com/9bb8650f-7319-4426-bfb3-e742150eeed3

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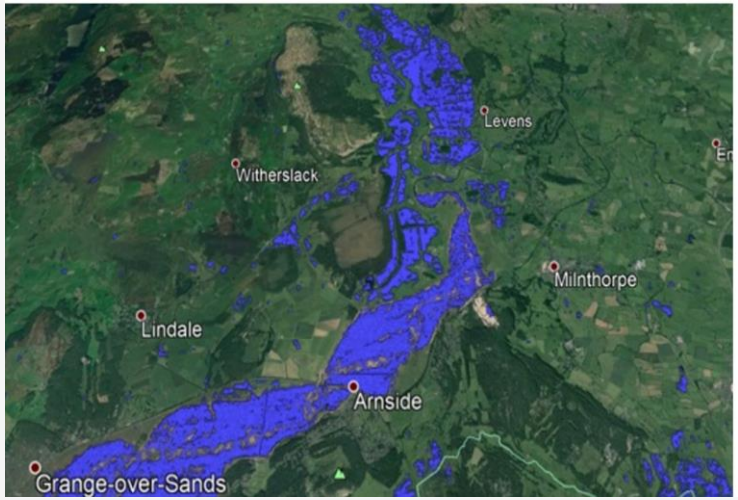
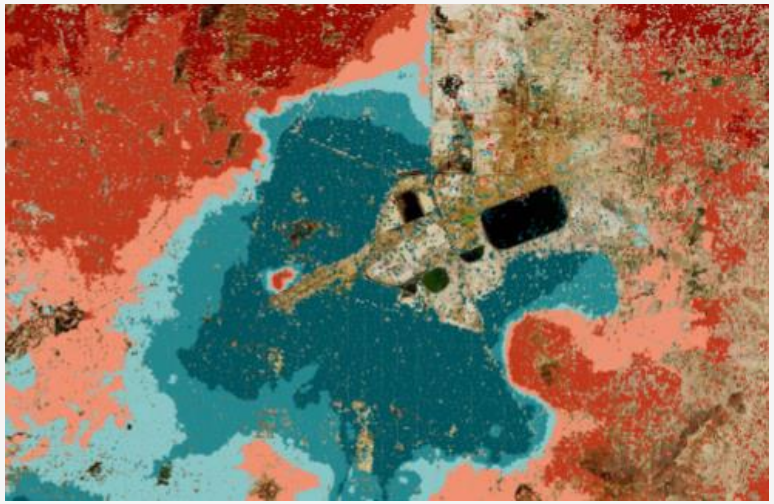
Satellite remote sensing has many possible applications in risk management

Fire Management
Damage Assessments



Water Management
Flooding



Land Subsidence

DNV GL produces both standardized and bespoke data products from satellite images and applies analytics to assess risk around assets.

Mediterranean Regional Information Network (MedRIN)

GLOBAL IMPACT FOR A SAFE AND SUSTAINABLE FUTURE

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