Collaboration is the Key
UN-GGIM: 14 Fundamental Geospatial Data Themes

- Global Geodetic Reference Frame
- Addresses
- Buildings and Settlements
- Elevation and Depth
- Functional Areas
- Geographical Names
- Geology and Soils
- Land Cover and Use
- Land Parcels
- Orthoimagery
- Physical Infrastructure
- Population Distribution
- Transport Networks
- Water
Land cover monitoring for different purposes/sectors

WATER
- Water resources / quality
- Land + water use pattern

CLIMATE
- Land change / GHG emissions
- Water + energy exchanges

ENERGY
- Bio-energy / biomass
- Wind / hydro power assessments

WEATHER
- Land surface climate interactions
- Vegetation characteristics

ECOSYSTEMS
- Change environment conditions
- Services + accounting

AGRICULTURE
- Cultivation pattern + forestry
- Land degradations

HEALTH
- Land change / diseases
- Vectors / boundary conditions

BIODIVERSITY
- Ecosystem characteristics
- Habitats + fragmentation

DISASTERS
- Fire monitoring
- Land degradation assessments
Various international frameworks which require terrestrial Earth observation and land cover.
Land cover and the SDGs

Land Cover

SUSTAINABLE DEVELOPMENT GOALS

1. NO POVERTY
2. ZERO HUNGER
6. CLEAN WATER AND SANITATION
7. AFFORDABLE AND CLEAN ENERGY
12. RESPONSIBLE CONSUMPTION AND PRODUCTION
13. CLIMATE ACTION
15. LIFE ON LAND

Others

Administrative areas
Rights and interests
Site addresses, uses, and restrictions
Ownership and tax parcels
Parcel framework
Orthophoto
Supporting documents

GAEZ v4 Web-platform

Hand-in-Hand initiative Geospatial platform

Model documentation

User guide

Brochure

User cases

Video
Thank you!

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