

SES and emergency.lu

**Workshop on the Role of Telecommunications/ICTs
for Disaster Risk Reduction and Management for the
Americas (Day 1, Session 3 – Tampere Convention)**

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SES[^]

TAKE YOUR STORY ANYWHERE

All of us have a story. At SES, we believe that when *everyone* is empowered with high-quality content and connectivity, billions of stories have infinite possibilities.

What we do

Leader in global content and connectivity solutions



We broadcast over 8,300 TV channels that reach **over 1 billion people**



We connect over 300 customers in **130 countries** and planes, ships, oil rigs



We deliver HD & Ultra HD content to **any platform**, on **any device**



We help **restore connectivity** after natural disasters



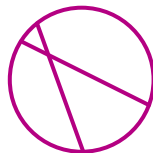
We champion SpaceX **reusable rocket technology**



We support telcos with their 4G roll-outs and **connecting remote areas**

The company we keep

Solutions to meet the needs of a wide range of customers



TRUSTED BY
broadcasters, telcos,
enterprises, governments
and institutions in over
130 countries



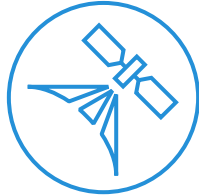
A unique combination

The only MEO-GEO constellation



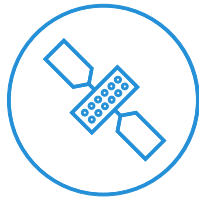
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GEO widebeam



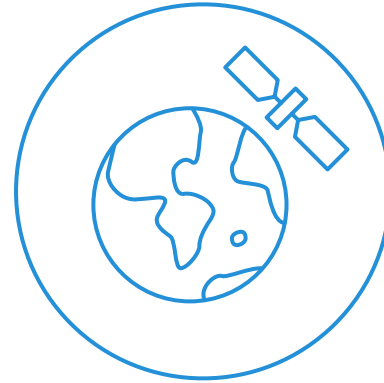
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GEO HTS



20

MEO HTS



99%

global coverage

emergency.lu

**Innovate
Respond
Recover**



Rationale



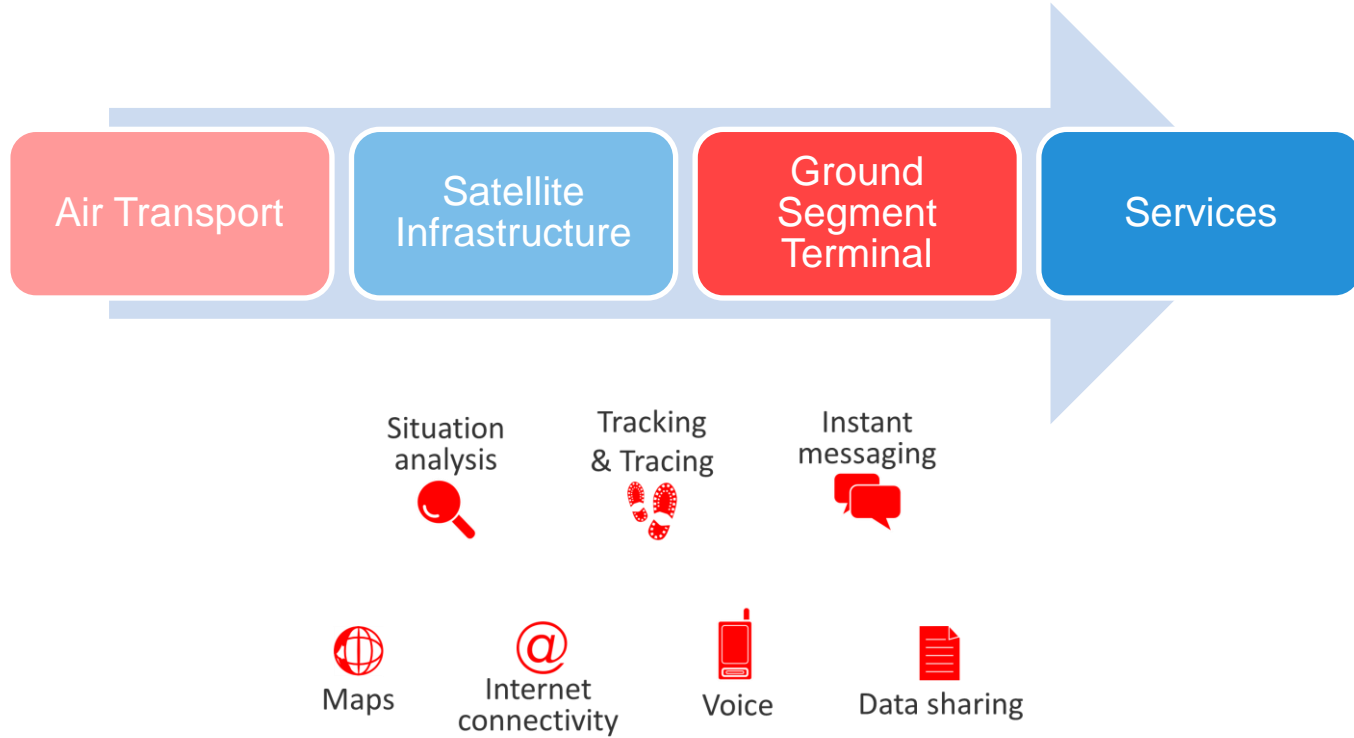
Time needed for advanced communications and services for improved mobilization and coordination



Rationale

- ▲ developed as a public-private partnership
- ▲ in close cooperation with WFP, as Emergency Telecommunications Cluster (ETC) lead agency
- ▲ open to other partners to join and enrich the system through their comparative advantages
- ▲ offered by Luxembourg as a free global public good to the global humanitarian community

Concept



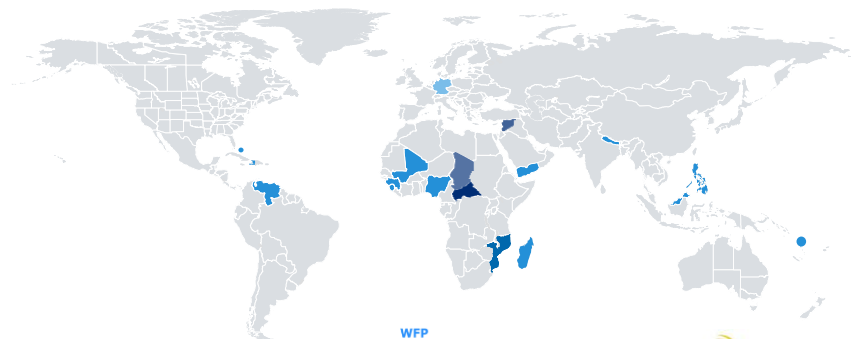
SES Providing Disaster Response Communications Solutions



72 deployments

Solution deployment

10 Years



ERICSSON RESPONSE



Example of Partnership

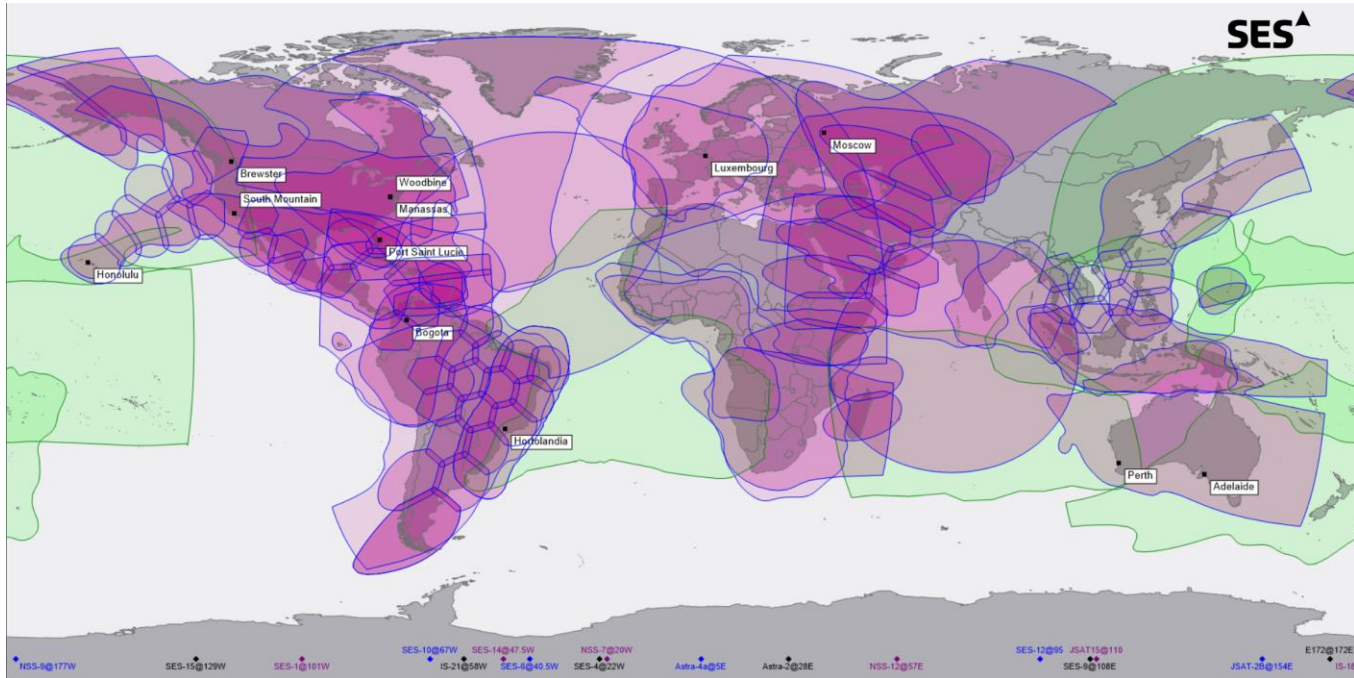


Example of Partnership



Capacity 2021+

▲ Skala Ku and C-band



Deployment sample – Bahamas (Dorian) 2019



Deployment sample – Mozambique 2019



Deployment sample – Vanuatu 2015



emergency.lu - equipment import challenges

- ▲ Import of telecommunication equipment, especially satellite equipment, is one of the major blocking and delay points during the deployment
- ▲ Delays can span from several days up not being to import at all – huge impact on the availability of communication in disaster hit area and ability too effectively coordinate help
- ▲ Requires an excellent and multilevel coordination with local government and people on the ground in advance of the deployment
- ▲ Every country is specific in the way how is this handled and requires local knowledge
- ▲ Additional complexities when country infrastructure is in distress and communication is difficult
- ▲ Landing rights and transmission licences – specific satellite communication challenges

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