Space and global health
Projects and perspectives

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In Burkina Faso, 1 in 10 children die before the age of 5.

leDA can help improve the situation.
IeDA project

270 healthcare facilities in Northern Burkina Faso
1’250 health workers use it daily
200’000 consultations per year
Health Services Steering

- Design interventions
- Implement interventions
- Aggregate actionable indicators
- Feed the district health information system
- Identify new knowledge
- Mine «big» data

Learning Health System

- Link with remote sensing information

In-service Capacity Building

- Aggregate usage data
- Benchmark different users
- Identify learning needs
- Personalize capacity building
Space and Global Health

Communication
- Information sharing
- Mobile device tracking

Navigation services
- Cartography
- Activity monitoring

Remote sensing
- Environmental parameters
- Sensors

Space medicine
- Isolation management

Precision
Global
Health
SUSTAINABLE DEVELOPMENT GOAL 3
Ensure healthy lives and promote well-being for all at all ages

DIGITAL REVOLUTION + GENOMIC REVOLUTION

RESULTS

PREVENTION
PREDICTION
MANAGEMENT
DIAGNOSIS
DISEASE

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Precision Global Health

• Convergence of multiple information sources
  – Healthcare and health information systems
  – Environmental and geographical data
  – Social networking, mobile connectivity
  – Sensors, intelligent objects, robots

• Data science, data sharing, open data

• Learning health systems