



Geospatial PPP for Business & Society

# Achieving the SDGs: Challenges, directions and collaborative partnerships

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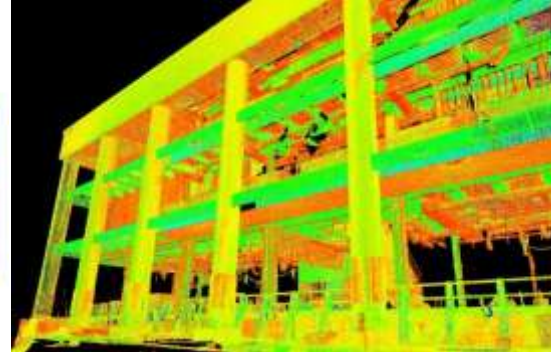
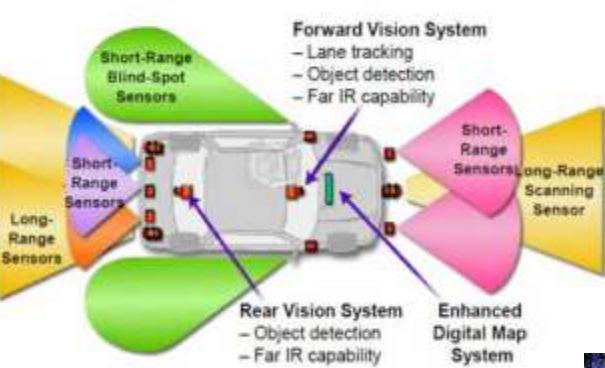


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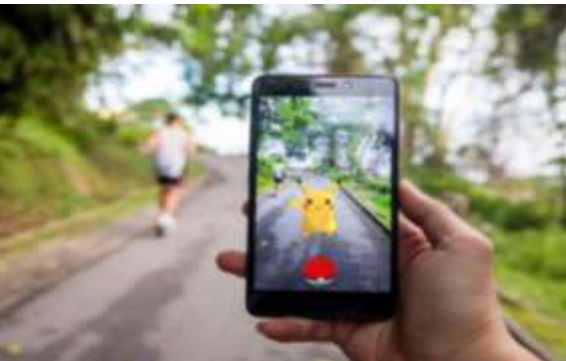
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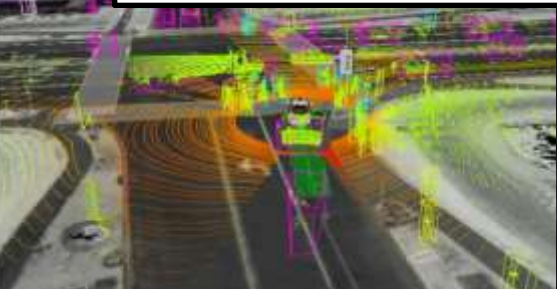


The Past, Present and Future of

# WEARABLE TECHNOLOGY

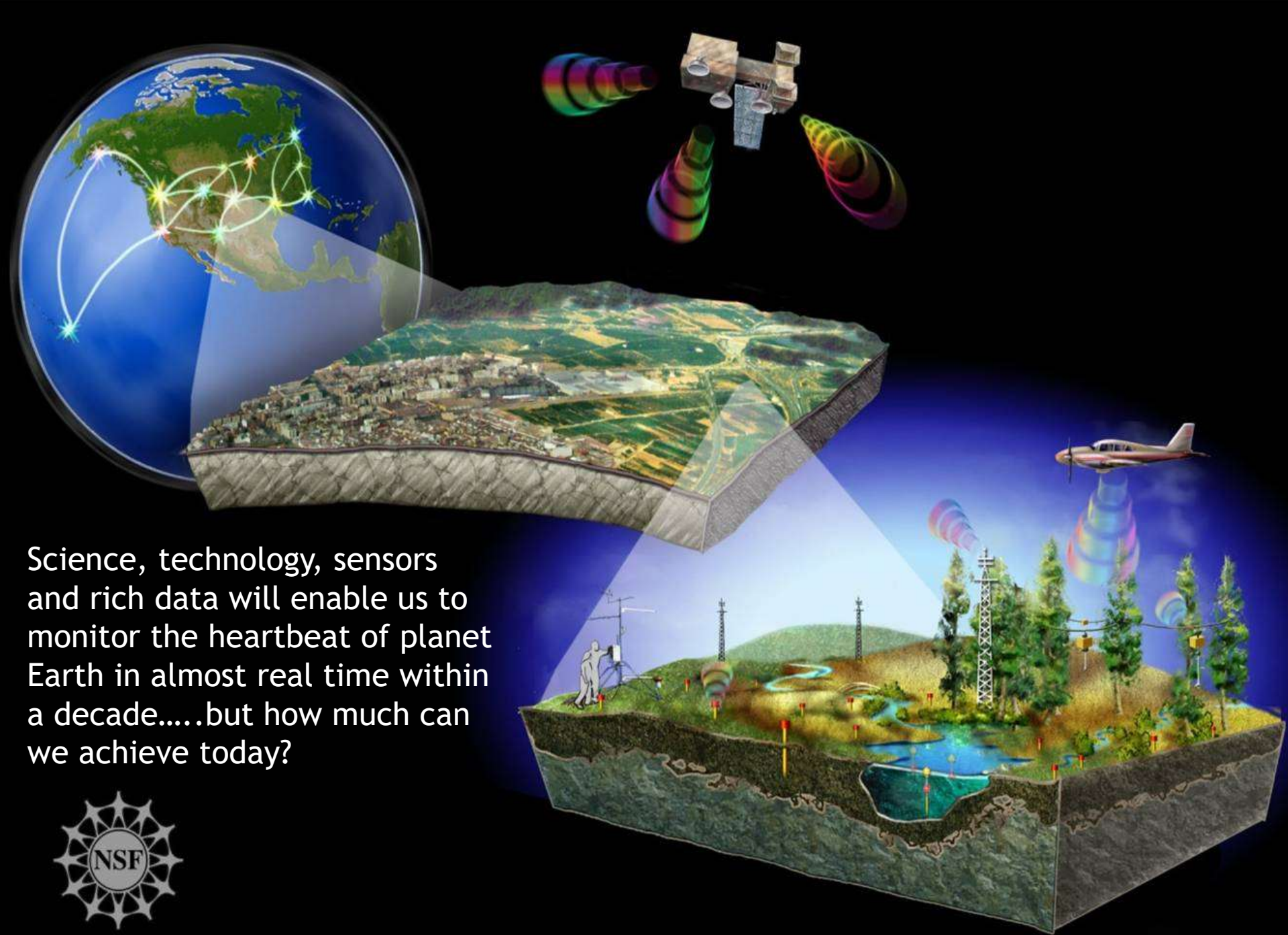


**Technology and society are driving the data ecosystem**



## WHAT MAKES A SMART CITY SMART?

Education  
 Open Data  
 Smart Energy  
 Smart Retail  
 Smart Health  
 Smart Mobility



Science, technology, sensors and rich data will enable us to monitor the heartbeat of planet Earth in almost real time within a decade....but how much can we achieve today?





**Do we really understand the scale of the problem?**



# Global Trend: Urbanisation

**80%**

of global economic activity generated in cities – mostly in industry and services benefiting from density

**2 billion**

additional residents in cities between 2000-2030

**1 billion**

live in slums today to be near jobs and opportunity

**1½ billion**

exposed to cyclones and earthquakes in large cities by 2050 (up from 680 million 2000)

**1.2 million km<sup>2</sup>**

of new urban built up area by 2030—equivalent to a whole new world; rapid spatial expansion makes it difficult to provide services, houses, and transport

**80%**

of Greenhouse Gas emissions +

**70%**

of energy consumption is attributable to cities.

## THE EVIDENCE HIGHLIGHTS URGENCY FOR ACTION

Since 2007 more people live in cities than in rural areas. By 2050, 2 out of 3 people will live in cities, with 90% of that growth in Asia and Africa.

# Global Development Agenda



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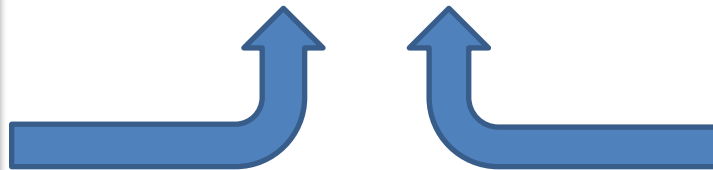
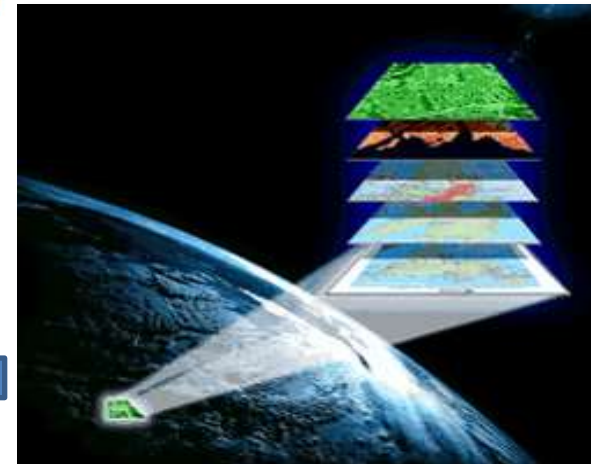
“ The tragedy of our technology-rich world is that we have many conveniences, but little connection. ”



Consumer Technology



Data Technology



# Transforming our World: The 2030 Agenda for Sustainable Development



## Follow up and review:

76. We will support developing countries, particularly African countries, LDCs, SIDS and LLDCs, in strengthening the capacity of national statistical offices and data systems to ensure access to high quality, timely, reliable and disaggregated data.

We will promote transparent and accountable scaling-up of appropriate public-private cooperation to exploit the contribution to be made by a wide range of data, including Earth observations and geospatial information, while ensuring national ownership in supporting and tracking progress.



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# Sustainable Development Goals Report 2016



## Improving data quality and availability

143. Data of good quality are vital in order to make informed decisions and to ensure accountability for the implementation of the 2030 Agenda. Tracking progress on the SDGs requires the collection, processing, analysis and dissemination of an unprecedented amount of data and statistics at the subnational, national, regional and global levels, including those derived from official statistical systems and from new and innovative data sources.

147. New data sources and technologies for data collection will need to be explored, including through partnerships with civil society, the private sector and academia. The integration of geospatial information and statistical data will also be essential for the production of a number of indicators.



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ACADEMIC NETWORK



**UN-GGIM**

PRIVATE SECTOR NETWORK

- The delivery of global geospatial solutions can only be achieved through the collaboration of all sectors of the industry including, government, science/technology, academia and the private sector.
- In its establishment, UN-GGIM recognized that governments could not maintain and deliver the national geospatial information base and related policy alone, and nor could the private sector.
- A collaborative partnership is required to address global issues and contribute collective knowledge as a community with shared interests and concerns.



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# Vision

An **active** Private Sector Network (PSN) of representatives working in a **mutually beneficial collaboration** with the members of UN-GGIM to play a leading role in setting the agenda for the development of global geospatial information and to promote its use to address key global challenges, enable citizen services and **support the initiatives of the United Nations, particularly the global development agenda.**



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# Purpose

- Facilitate a direct connection and communication for the private sector to work with Member States towards achieving success in global geospatial initiatives.
- Facilitate an ongoing dialogue for collaboration between and amongst members of UN-GGIM and participants of the PSN to develop, build and extend the world's capacity to benefit from geospatial information, enabling countries to build capacity in geospatial information, technologies and services.
- Create opportunities to assist UN-GGIM in developing policies, processes, practices, capacities and recommendations for geospatial information infrastructure at national, regional, and global levels.





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