



European
Global Navigation
Satellite Systems
Agency

European GNSS Towards Global Challenges

Carlo des Dorides

Executive director of European GNSS Agency, GSA

UN/UAE High Level Forum

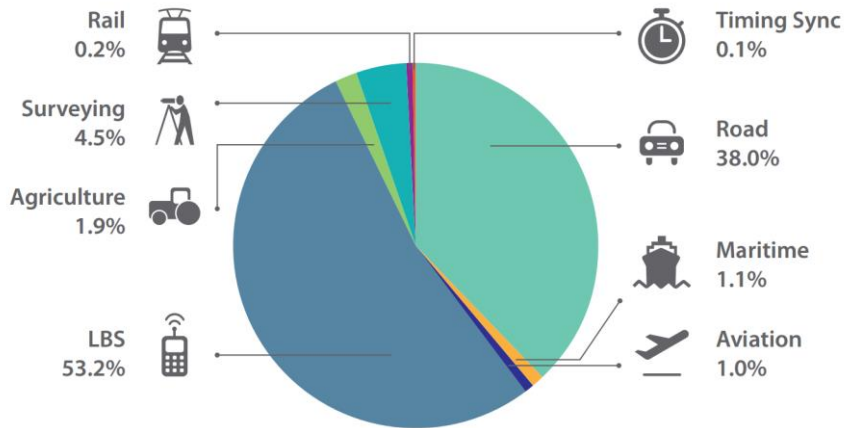
“Space as a driver for socio-economic sustainable development”

20 November 2016

This presentation can be interpreted only together with the oral comments accompanying it

Dimensions of GNSS worldwide

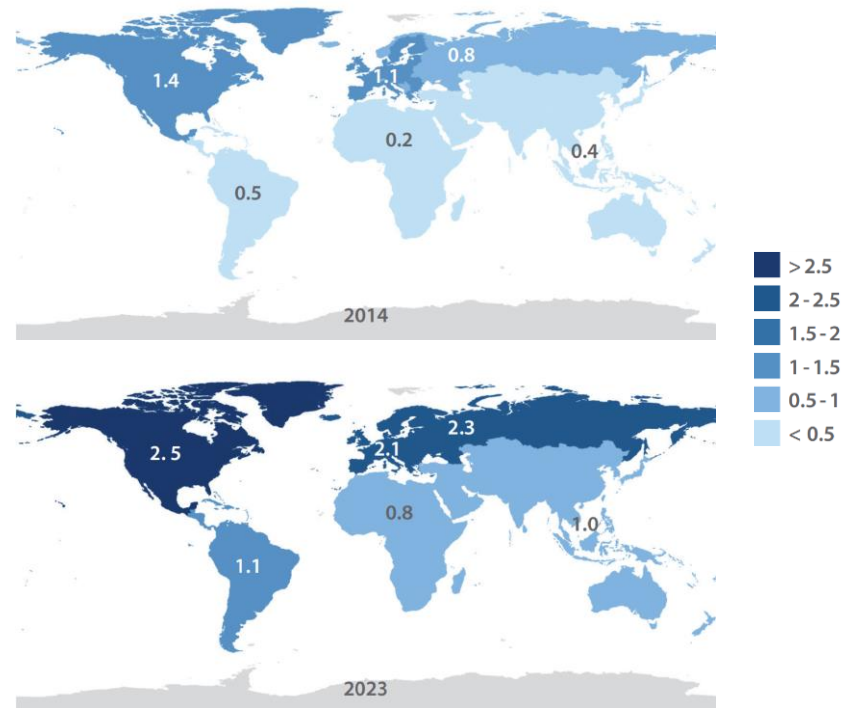
Cumulative core revenue 2013-2023



Growth will be observed in all regions

Cumulated revenues dominated by LBS

GNSS devices per capita: 2014 and 2023



GNSS in a dynamic environment of relevant macro trends

Smart Cities



Thanks to its easy implementation for various smart mobility and LBS applications, GNSS is supporting the smart cities concept.

Big Data



'Big data' refers to large amounts of data produced very quickly by an abundance of diverse sources. Data can either be created by people or generated by machines, such as GNSS receivers or Earth Observation satellite imagery.

Internet-of-Things and Machine-to-Machine communication



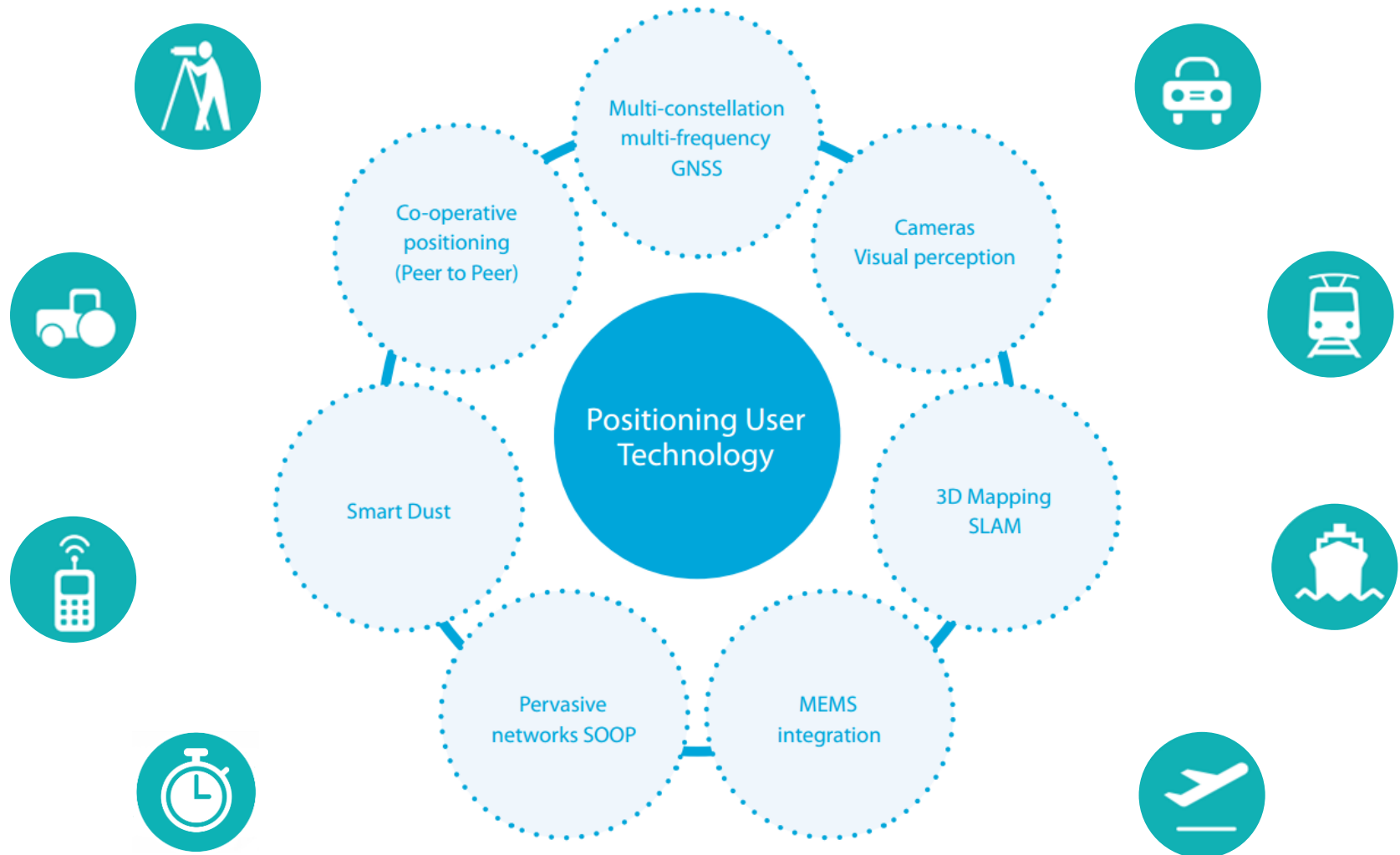
As many IoT applications require positioning information of each 'thing', IoT could provide a significant knock-on demand boost for GNSS capabilities in several market segments.

Multimodal Logistics



GNSS-based solutions are particularly well-suited for on-the-route positioning, enabling operators to monitor goods and assets during their transfer between different transport nodes and hubs.

Innovation areas and emerging concepts for future Positioning, Navigation and Timing systems



Why Galileo

Strategic
dimension

6-7 % of European Gross Domestic Product depends on GNSS

Value
creation

European GNSS has
benefit-cost ratio of 1.4

Political
dimension

First Pan-European infrastructure
having a worldwide dimension

