



# Unlocking the Benefits of the 'Internet of Things' for Europe

Elinaz MAHDAVY – European Affairs Manager- Orange Healthcare  
GSMA Connected Living Workshop – January 2016.

# The Digital Revolution Has Changed What People Expect And How They Do Things

Today, there are  
4.9 billion  
connected objects.

By 2020 there will be more than **25 billion** connected objects in the world.

2h27 per day on average  
spent on a smartphone  
(in addition to other  
screen activities)

194,064 applications  
downloaded per minute  
worldwide



## In Healthcare Too...



**Wireless, M2M-based digital health solutions are opening new possibilities.**

**41%** increase in health information exchange between hospitals and other providers between 2008 and 2012 <sup>(1)</sup>

**66%** of doctors use iPads or tablets for medical purposes <sup>(2)</sup>

**75%** of providers report that electronic health records allow them to deliver better care <sup>(3)</sup>

**10%** of hospitals implemented data analytics tools in 2011, 50% are predicted to do so by 2016 <sup>(4)</sup>

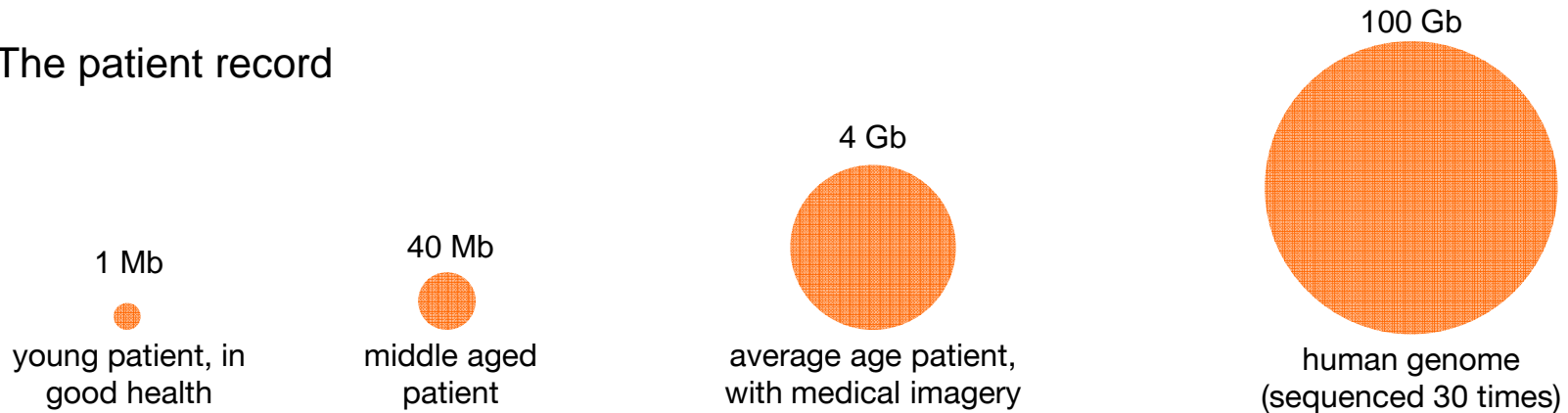
(1) Dell  
(2) Information Week Healthcare  
(3) [healthinformatics.uic.edu](http://healthinformatics.uic.edu)  
(4) Frost and Sullivan

# Quantified Self Has Gained Increasing Mass Market Appeal

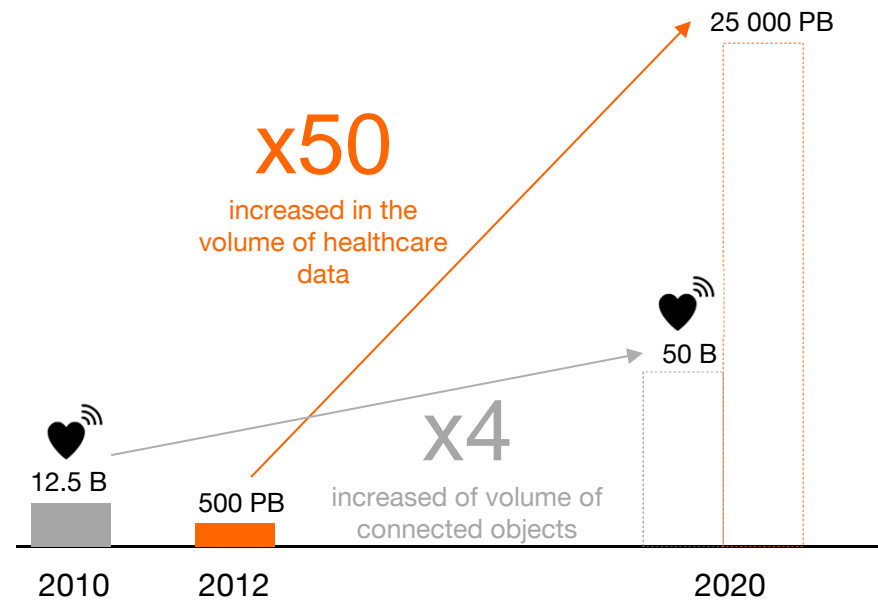
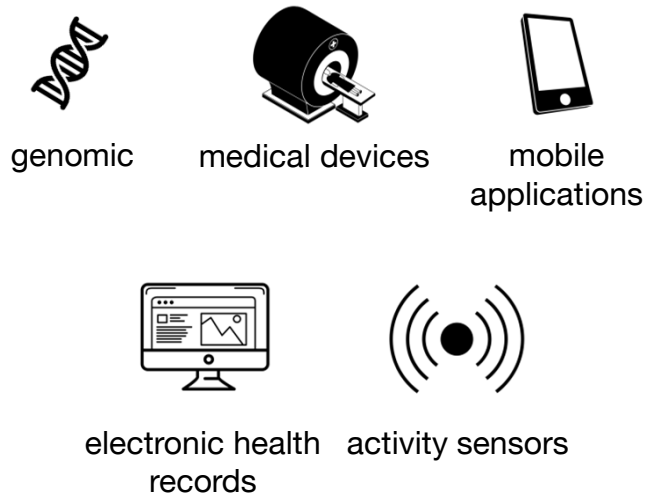


# The Data Opportunity

## The patient record

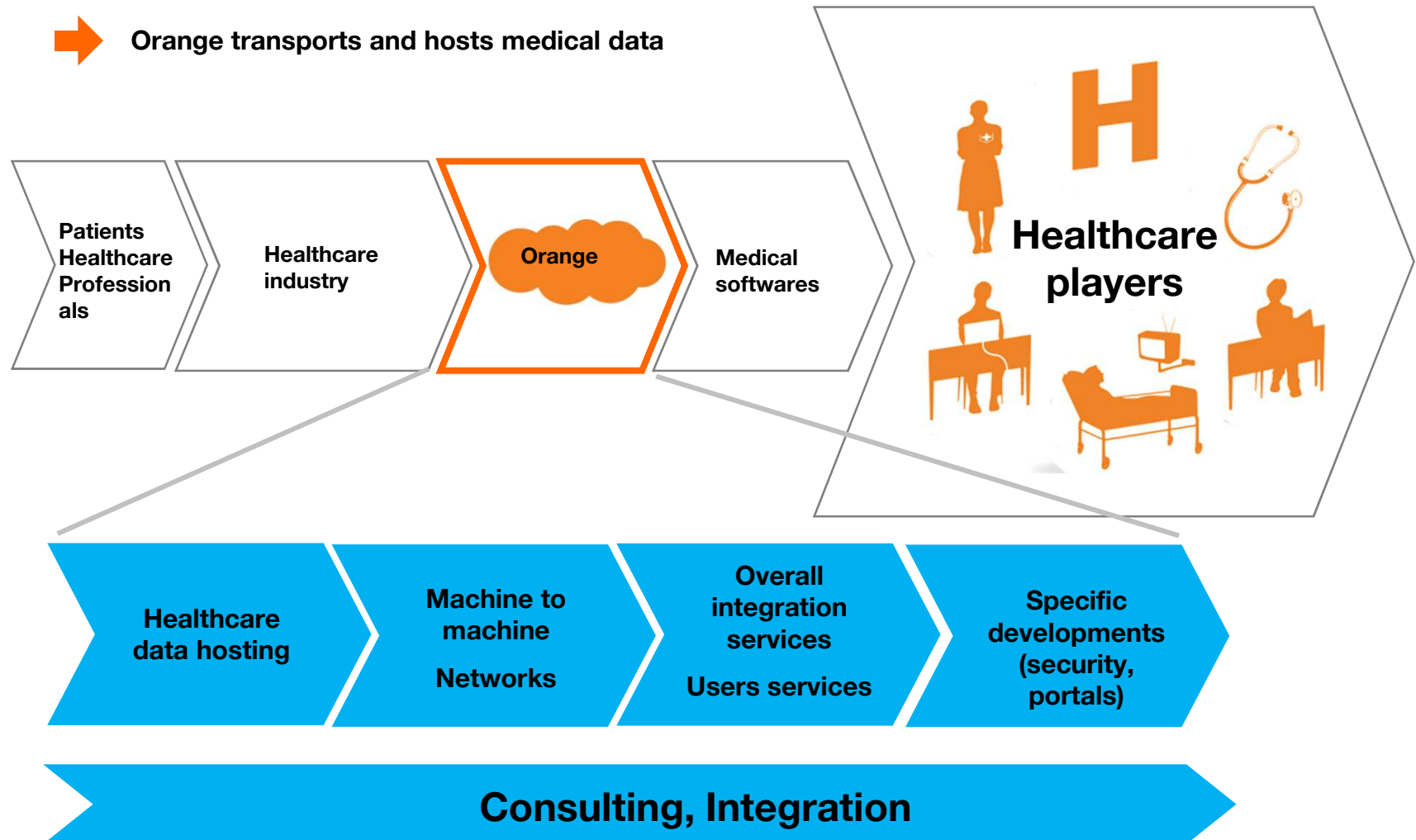


## Multiplication of means of collecting data



evolution of the worldwide volume of health data (in Petabytes) and the number of connected objects

## Therefore new players in the healthcare field





# IoT: A Game Changer In Healthcare



# But Is Healthcare Ready For A Disruptive Evolution?

**“The man who moves a mountain begins by carrying away small stones.”**

— Confucius,  
Confucius: The Analects



**“this is a serious development for our medical training establishment is that a host of technological enablers will fuel the disruption of specialists by primary care physicians in the future.”**

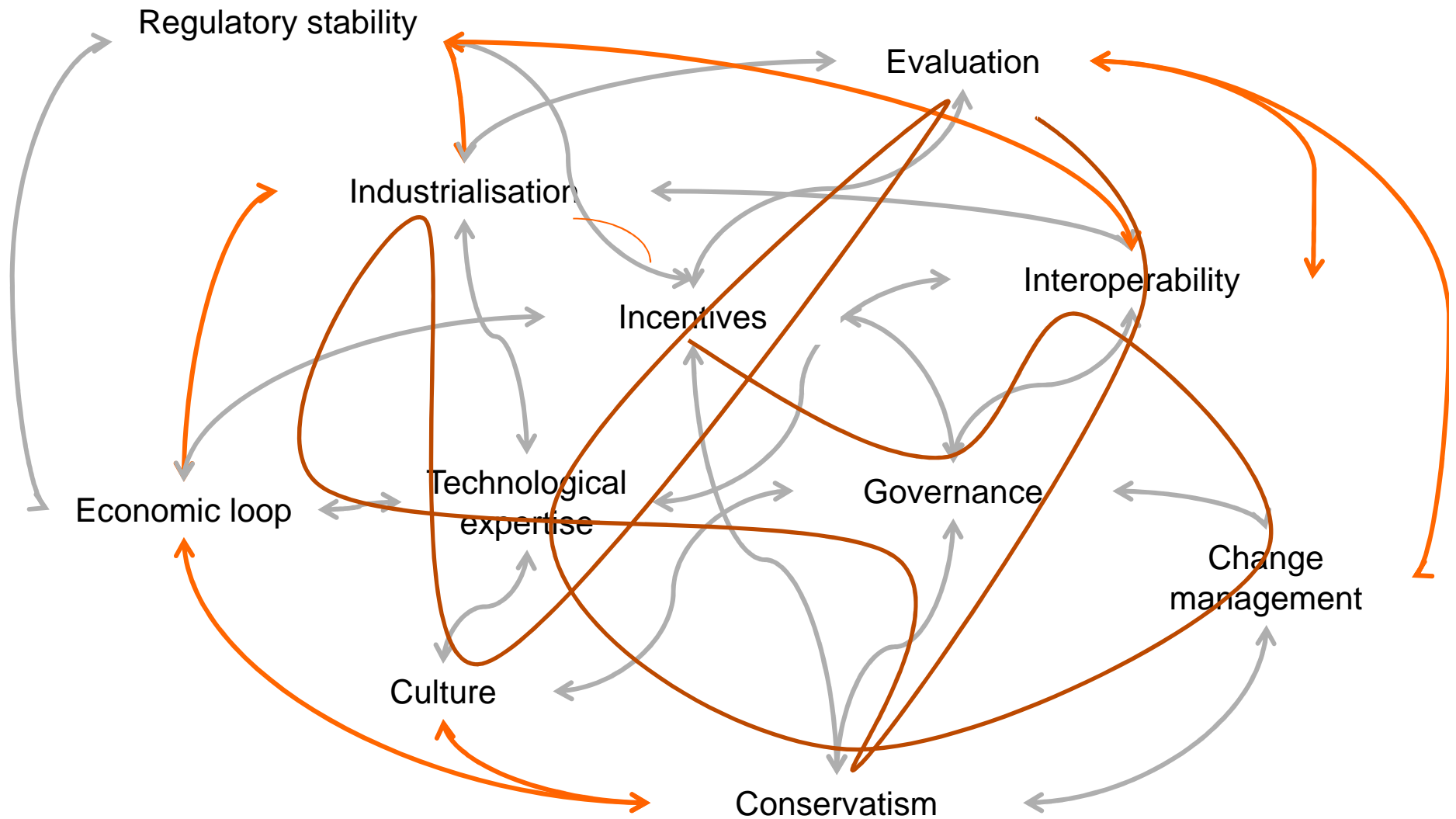
— Clayton M. Christensen, The Innovator's Prescription : A Disruptive Solution for Health Care

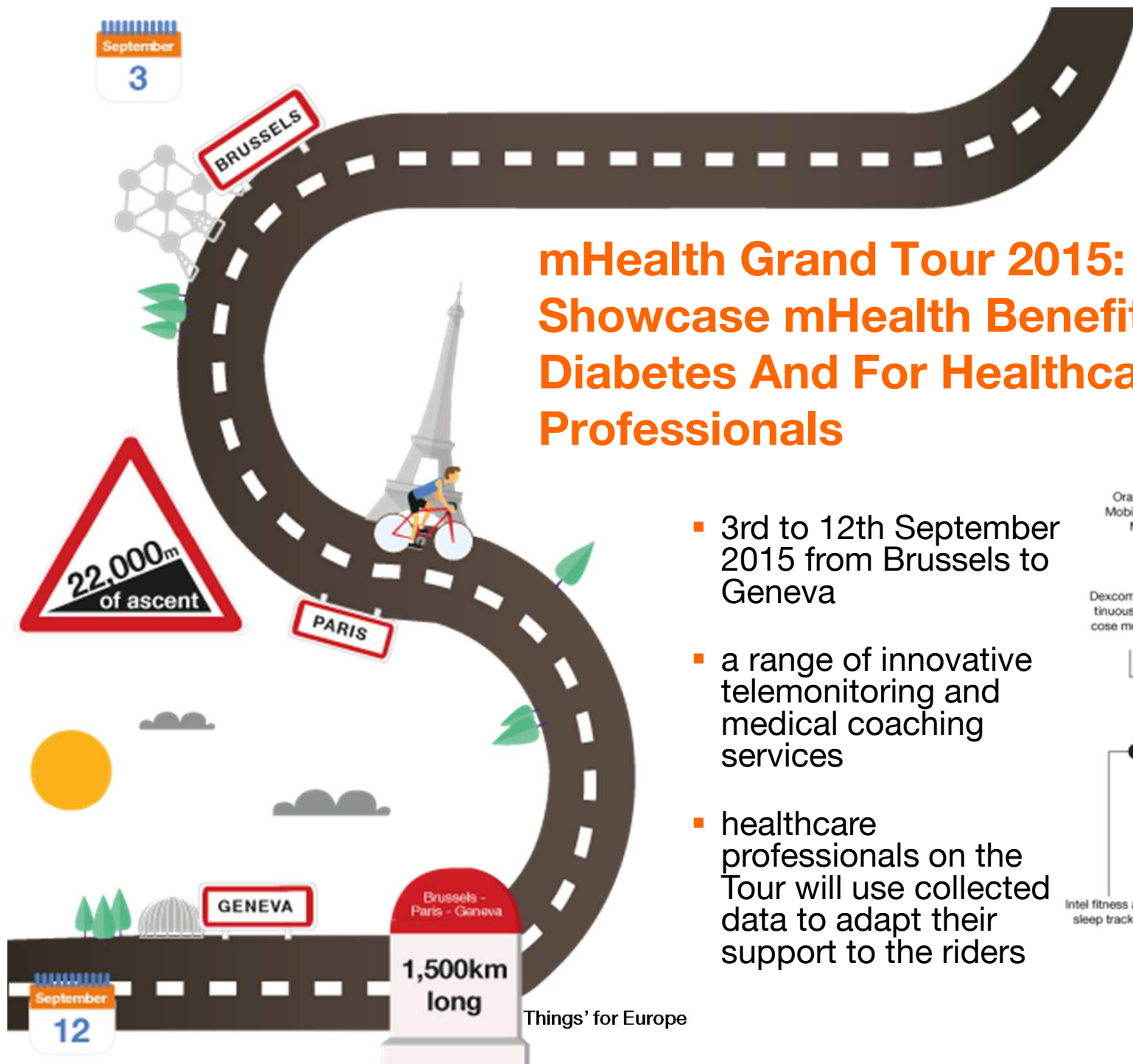
**“Health care leaders and policy makers have tried countless incremental fixes but none have had much impact. It's time for a fundamentally new strategy.”**

- Michael E. Porter and Thomas H. Lee, The Strategy That Will Fix Health Care

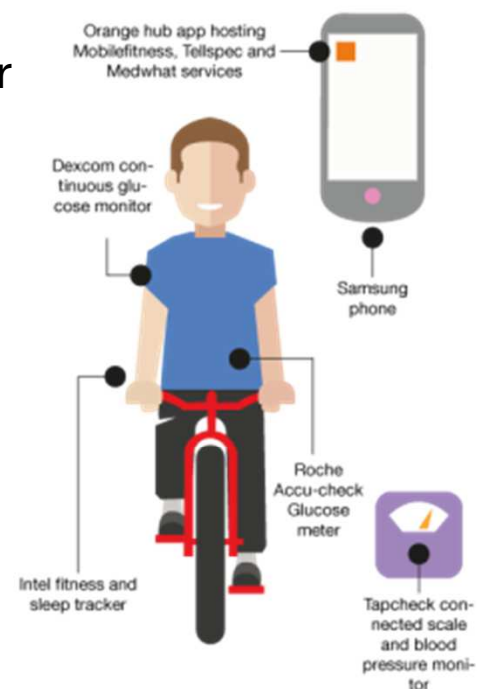


# Interrelated challenges





- 3rd to 12th September 2015 from Brussels to Geneva
- a range of innovative telemonitoring and medical coaching services
- healthcare professionals on the Tour will use collected data to adapt their support to the riders



Things' for Europe

# Thank you

for more information on Orange Healthcare :  
[www.healthcare.orange.com](http://www.healthcare.orange.com)  
[@OrangeHCare](#)

