

GEOSPATIAL  
media + communications

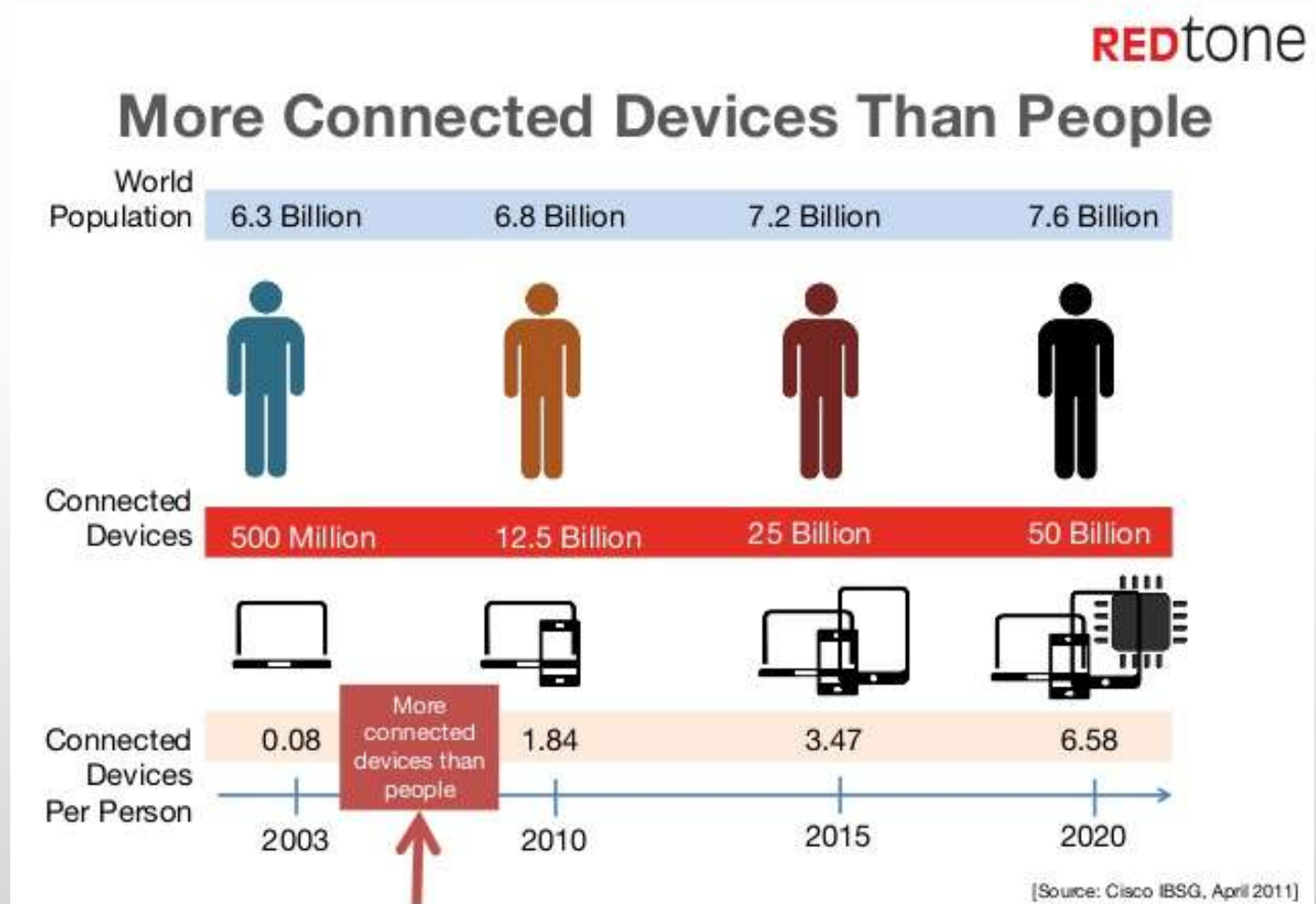


Berumen y Asociados SA de CV  
Edmundo Berumen Osuna  
GeoSpatial Conference – Mexico 2015

# INTERNET OF THINGS



# IoT and TwI - Trends



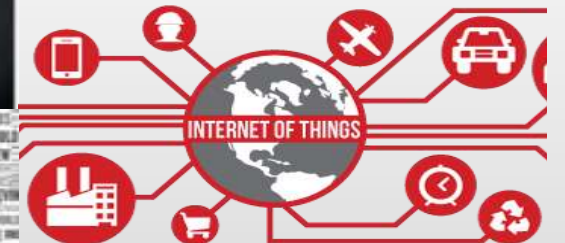
# IoT MISCONCEPTION



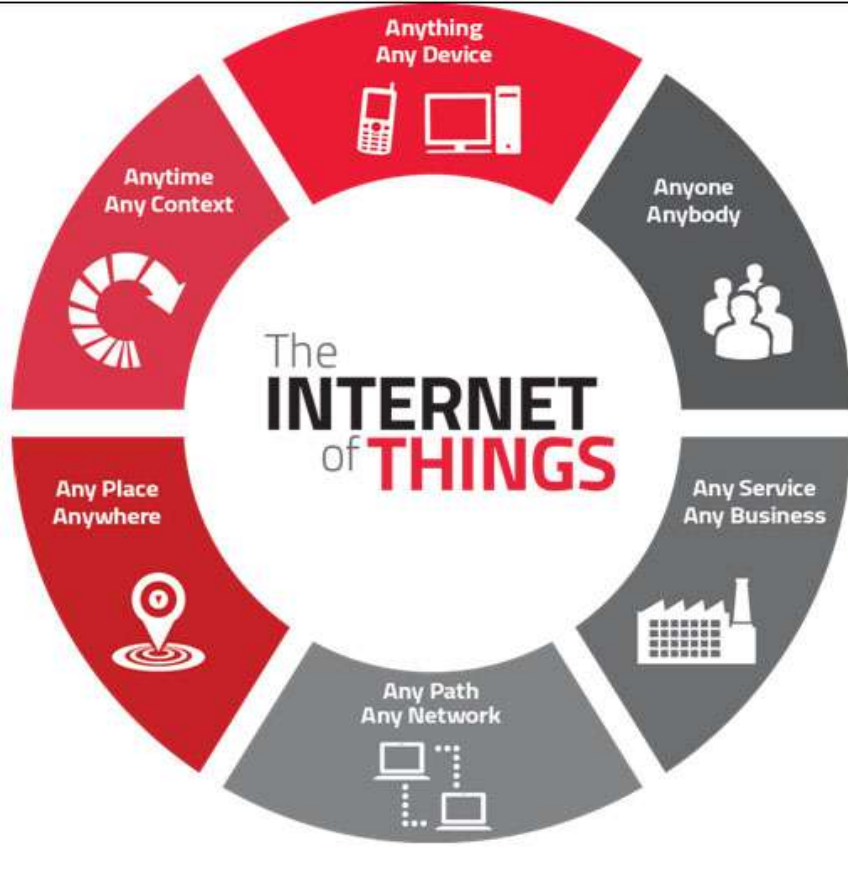


# So ... What is IoT (and why does it matter)?

- Connecting devices over the internet, letting them talk to us through apps
- It matters when we leverage one-to-many data points and turn them into useful information



# IoT: General overview



HW devices that can create an OUTPUT

SW and Protocols that provide data services to interact

Applications that can consolidate distributed data

Devices that run applications that turn data from TwI (things with internet) and provide information/services

# IoT in Mexico: A reality in our daily lives



Earthquake detection devices provide specific geolocation impacts



ALERTS!  
Are transmitted



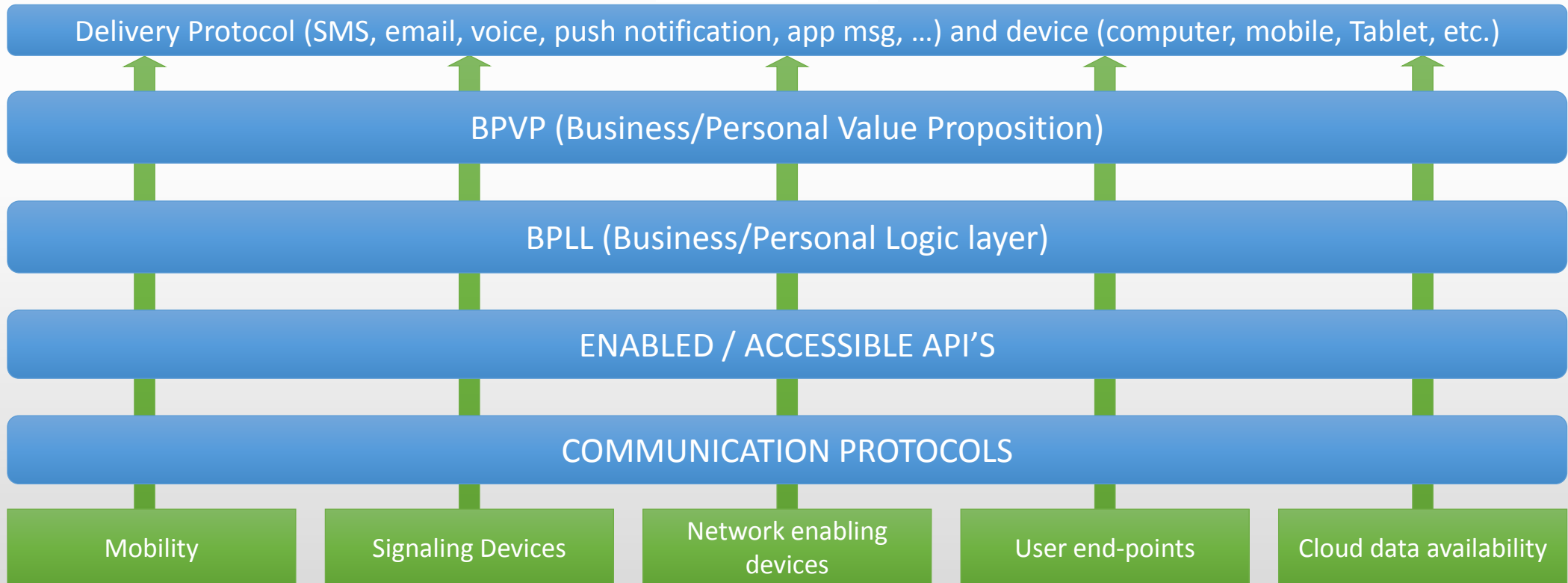
Earthquake aware apps are notified



Notifications are received through different endpoints



# IoT = DEVICES + SOFTWARE + INTEGRATION

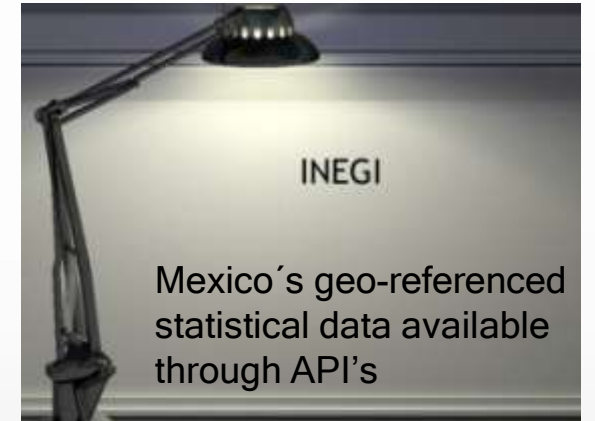




# IoT: Enriching your applications combining other data services



Obtén datos del **INEGI** maravillosamente **fácil**



**Indicadores**

Esta pequeña aplicación se conecta al INEGI mediante un servicio web, y genera una tabla con los datos obtenidos. Es posible crear una gráfica con el último indicador consultado

Consulta un indicador

**Mapas**

Un pequeño navegador de google maps para explorar el servicio de WMS del INEGI.

Genera un mapa

**Desarrolladores**

Encuentra herramientas útiles para desarrolladores, crea tu propio INEGI fácil.

Servicio REST

Mexican Dropdown Maker

Librería

**Acerca del sitio**

La razón principal para desarrollar esta aplicación, fue para aprender a usar algunas tecnologías, y mejorar en el uso de otras.

Más información

Prensa

Bitácora

TRANSFORMA  
MÉXICO CON  
DATOS ABIERTOS



# What are we leveraging today



Data is gathered through different mechanisms including INEGI's geo referenced information



GPS information provides geospatial reference on: where to go and where your team members are

Weather and earthquake information is made available through detector devices

Through a dashboard that provides analytics information related to field work plan we can make strategic decisions to optimize how to move forward in order to make better use of our resources



# Questions...

