



UN Global Platform

Mark Craddock. Technical Director

#UNGlobalPlatform

@mcraddock

@UNBigData

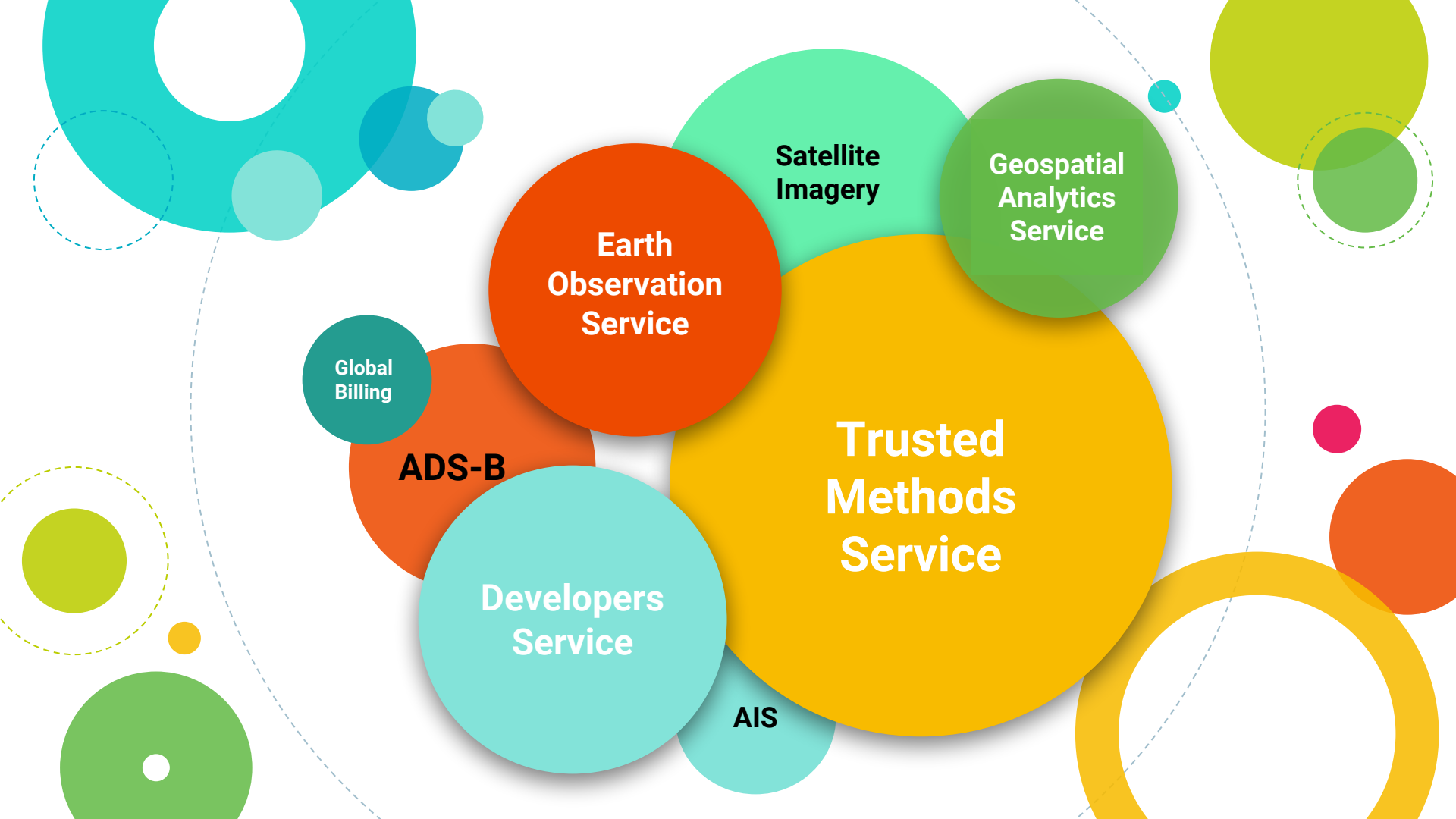


Update - Open Day

- ◎ Communications
 - ◎ Website
 - ◎ Newsletter
 - ◎ Events Site
 - ◎ Earth Observation Service
 - ◎ Geospatial Analytics Service
 - ◎ Developers Service
 - ◎ Methods Library/Service
- 

A decorative graphic featuring a large, light blue dashed circle that frames the central text. Various colored circles and rings are scattered around the page: a large teal ring in the top left, a smaller teal circle below it, a lime green circle in the top right, a green circle with a dashed border below it, a pink circle in the middle right, an orange circle in the bottom right, a yellow ring in the bottom right, a green circle with a white center in the bottom left, a lime green circle with a dashed border in the middle left, and a small orange circle in the bottom left.

UN Global Platform Services



**Satellite
Imagery**

**Geospatial
Analytics
Service**

**Earth
Observation
Service**

**Global
Billing**

ADS-B

**Trusted
Methods
Service**

**Developers
Service**

AIS

UN Global Platform – Update

- © Trusted Methods Library/Service
 - <https://methods.officialstatistics.org>
- © Earth Observation Service
 - <https://eo.officialstatistics.org>
- © Geospatial Analytics Service
 - <https://ons.stealth.earth>
- © Developers Service
 - <https://developers.officialstatistics.org>



UN Global Platform – Update

© Operations Service

- <https://operations.officialstatistics.org>

© Helpdesk Service

- support@officialstatistics.zendesk.com

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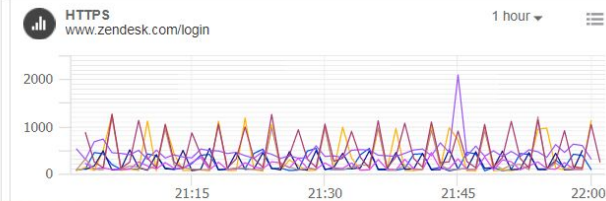
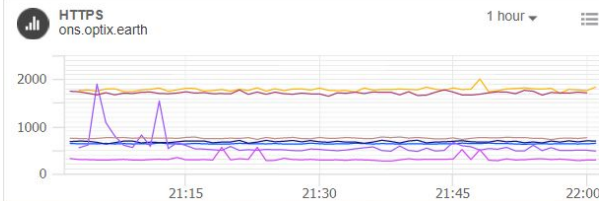
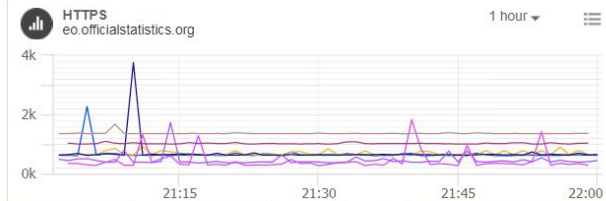
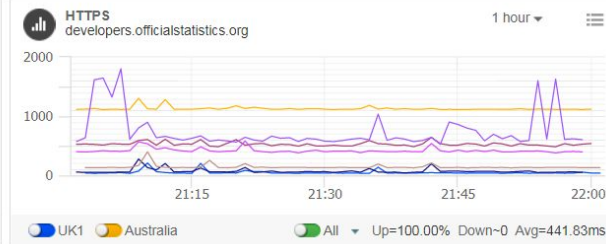
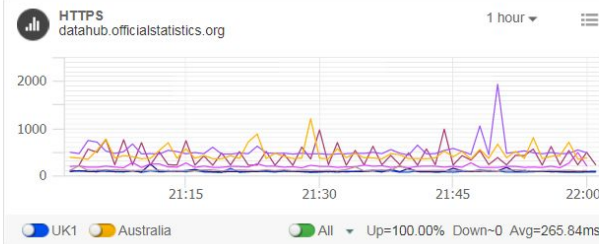
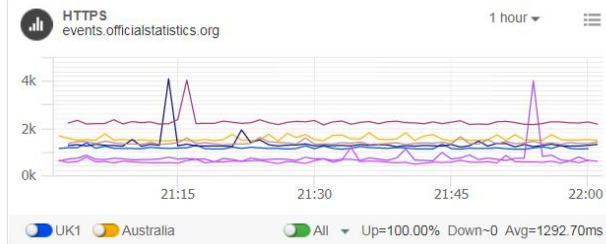
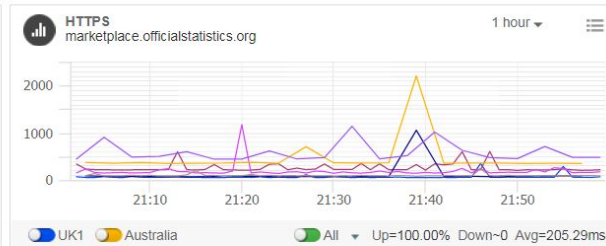
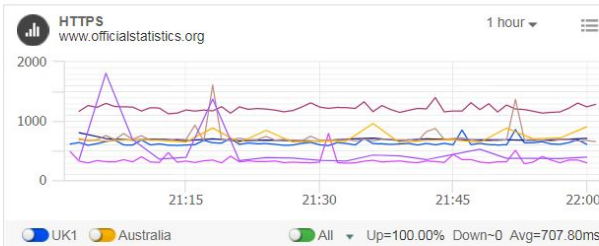
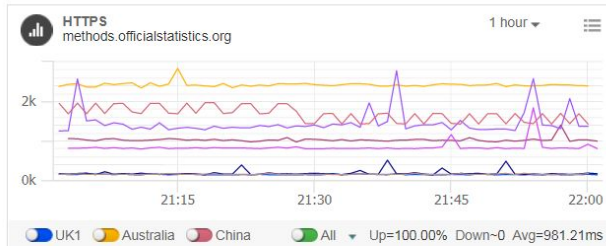
Operations

Operations Service

BigData UN Global Working Group

Powered by  monitis

Web Performance



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Alpha Services



Earth Observation Service

- ◎ Analyse Satellite Imagery
- ◎ Common Satellite Data



Earth Observation Service

- ◎ Features
 - ◎ Users
 - ◎ Teams
 - ◎ Organisations

To be completed

Users

Graphical User Interface to
Analysing the Data

- Feature 1
- Archive
- Complex Queries

Developers

Jupyter Notebook and API
access

- Dev Feature 1
- Spark
- Python
-

Geospatial Analytics Service

The screenshot displays the Geospatial Analytics Service interface. At the top, there is a navigation bar with 'Home', 'Projects', 'Data', 'Lab', and 'Algae ID'. A user profile 'MA mark.craddock' is visible in the top right. The main workspace is divided into a map view on the left and a workflow area on the right. The map view shows a satellite-style map of a coastal area with a yellow overlay. A 'divide' window is open over the map, and a vertical toolbar on the right contains various map controls. The workflow area consists of three stacked toolboxes:

- Input Green:** Project: Plymouth, Band: 3: Green
- Input Red:** Project: Plymouth, Band: 4: Red
- Operation subtract:** Inputs: Green, Red
- Input NIR:** Project: Plymouth, Band: 8: Near Infrared

Arrows indicate that the 'Input Green' and 'Input Red' toolboxes are connected to the 'Operation subtract' toolbox. The 'Input NIR' toolbox is also present but not yet connected. A zoom level of 76% is shown in the top right corner. The bottom of the map view includes the text 'Leaflet | © OpenStreetMap © CartoDB'.

The background features a large, light blue dashed circle that frames the central text. Various colorful geometric shapes are scattered around: a large teal ring in the top-left, a smaller teal circle next to it, a lime green circle in the top-right, a green circle with a dashed outline below it, a pink circle in the middle-right, an orange circle in the bottom-right, a yellow ring in the bottom-right, a green circle with a white center in the bottom-left, a lime green circle with a dashed outline in the middle-left, and a small orange circle in the bottom-left.

Demo Time



Geospatial Analytics Service

- ◎ Visualise and Analyse Geospatial Data
- ◎ Location Data
 - ◎ AIS
 - ◎ ADS-B
 - ◎ Mobile Phone



Geospatial Analytics Service

◎ Features

- ◎ Real Time Data Feeds
- ◎ Analyse Big Data
 - 100 Billions of Records

To be completed

Users

Graphical User Interface to
Analysing the Data



- D

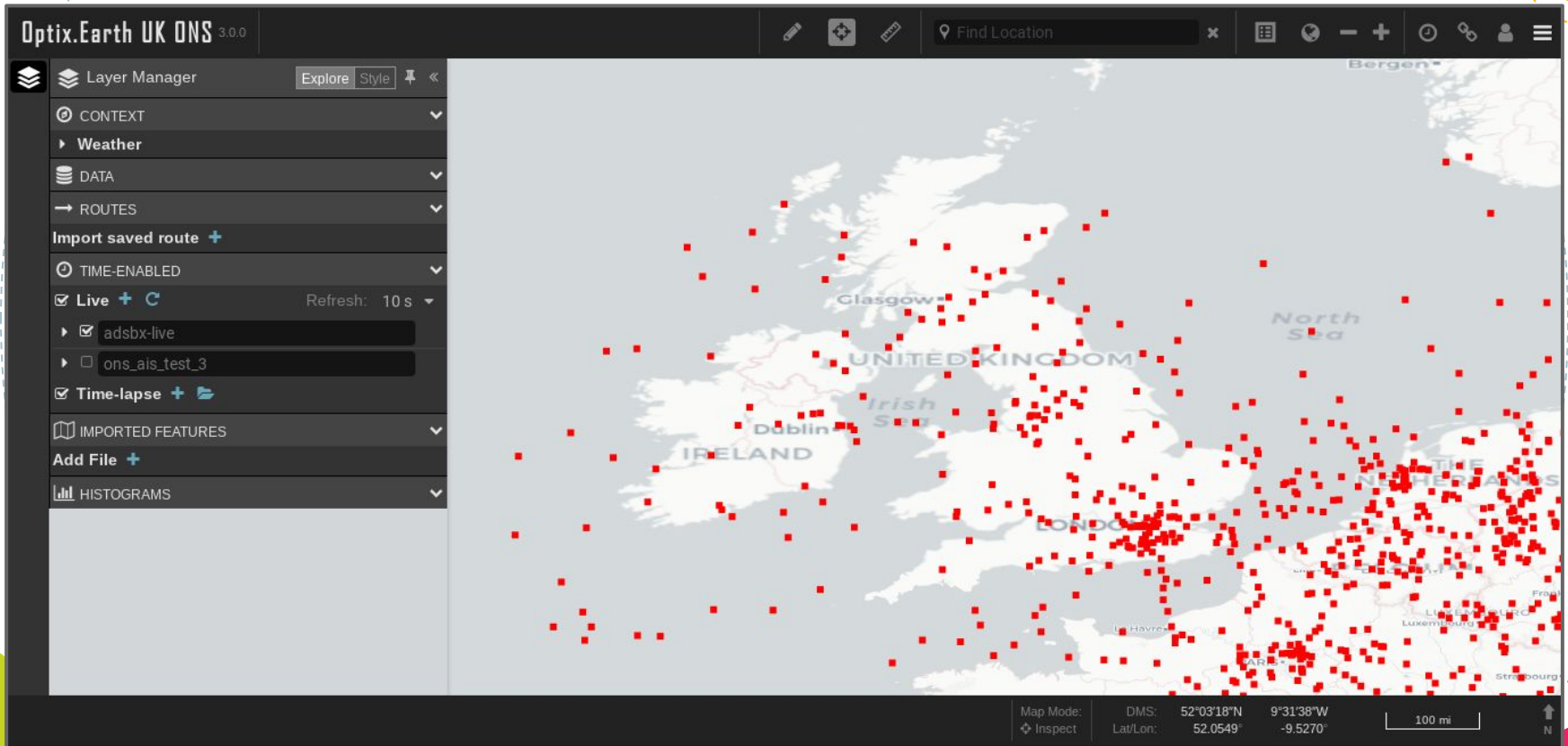
Developers

Jupyter Notebook and API
access



- D

Geospatial Analytics Service



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Demo Time

A decorative graphic featuring a large, light blue dashed circle that frames the central text. Various colored circles and rings are scattered around the perimeter: a large teal ring in the top-left, a small teal circle near the top, a large lime green circle in the top-right, a smaller green circle below it, a pink circle on the right, a large orange circle in the bottom-right, a large yellow ring in the bottom-right, a large green circle with a white center in the bottom-left, a lime green circle in the bottom-left, and a small orange circle near the bottom-left.

Global Datasets

A decorative graphic consisting of a large, light blue dashed circle that frames the central text. Various colored circles (teal, yellow, green, orange, pink) are scattered around the perimeter of the dashed circle, some overlapping it. The number '3' is positioned at the top center of the page.

3


Global Big Datasets

100,000,000,000+

ADS-B Records

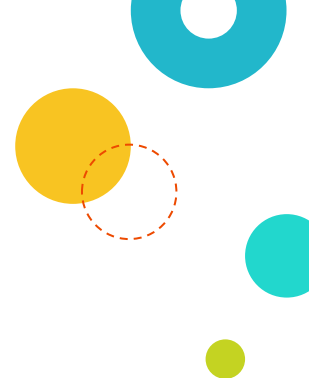
40,000,000+

AIS Records / Day



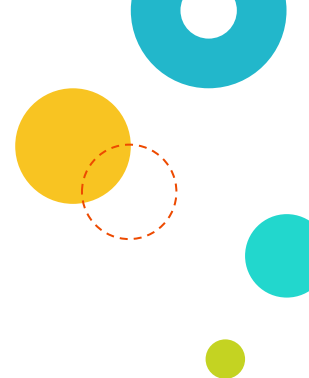
Automatic Identification System (AIS)

- ◎ 40 Million Records / Day
 - ◎ Ship Position / Movement
 - ◎ 3 Months Trial

 - ◎ Analysis via
 - ◎ Methods Service
 - ◎ Stealth (Geospatial) Service
 - ◎ Jupyter Notebook
 - ◎ APIs
- 



Automatic Dependent Surveillance (ADS-B)

- ◎ 3 Million Records / Second
 - ◎ Aircraft Position / Movement
 - ◎ 100 Billion Records
 - ◎ Analysis via
 - ◎ Methods Service
 - ◎ Stealth Service
 - ◎ Jupyter Notebook
 - ◎ APIs
- 



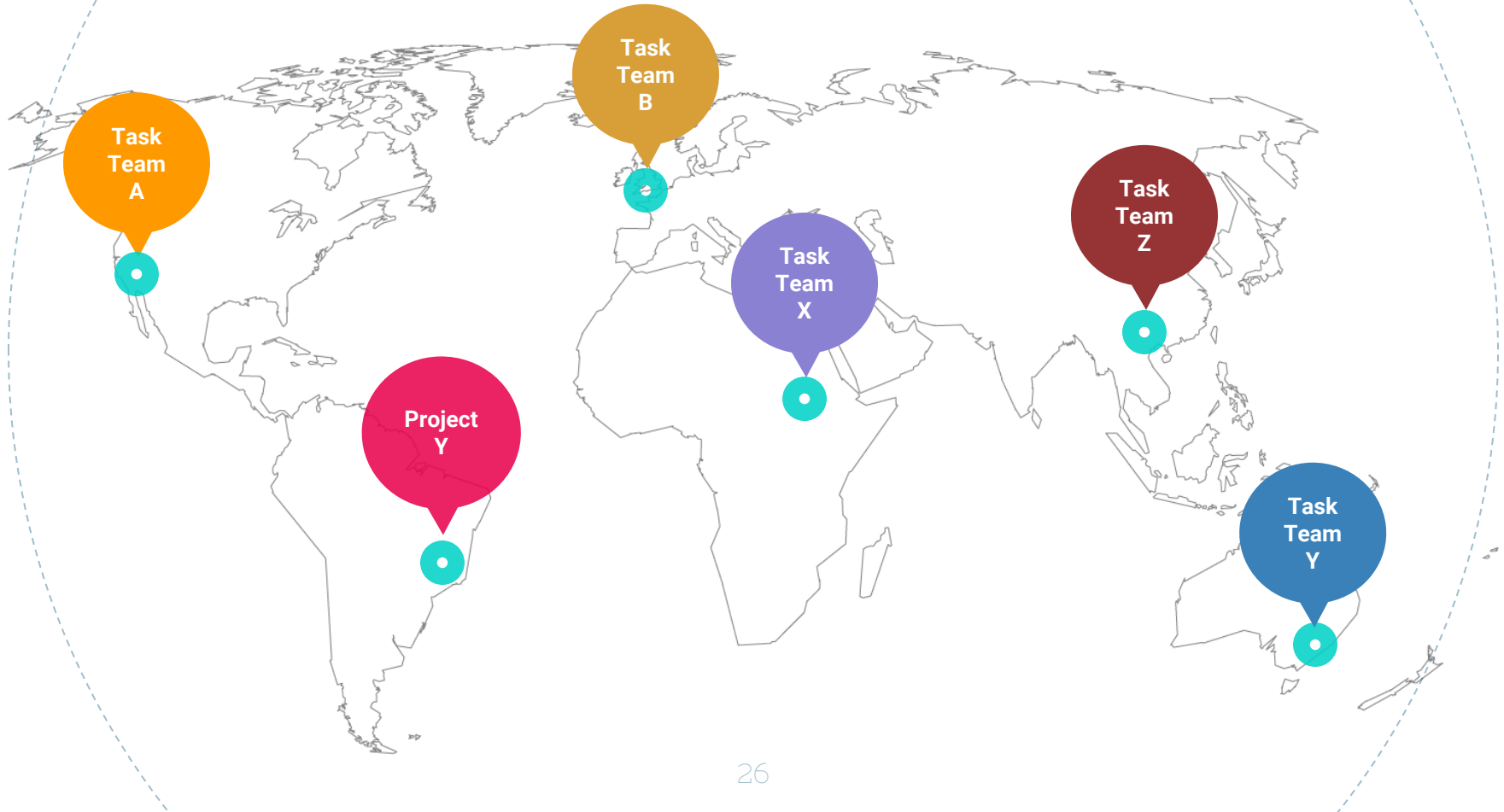
Satellite Imagery

- ◎ Open Data
 - ◎ Landsat
- ◎ Commercial
 - ◎ Planet
 - ◎ AirBus

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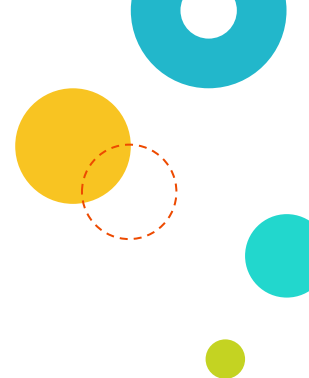
Global Billing

Global Billing





Global Billing

- ◎ Consolidate Billing Globally
 - ◎ Leverage Discounts
 - ◎ Manage Credits
 - ◎ Allocate Budgets
 - Per Task Team
 - Per Project
- 

A decorative graphic featuring a large, light blue dashed circle that frames the central text. Various solid-colored circles in shades of teal, green, yellow, orange, and pink are scattered around the perimeter of the dashed circle. Some circles are solid, while others are hollow or have a smaller circle inside them. The overall style is modern and abstract.

Roadmap

Roadmap - March '19

WDF



Service Onboarding Guides



Marketplace



Business Case



March '19



Data as a Service



Draft Privacy Preserving Techniques Handbook





Roadmap – March '19

◎ Alpha

- ◎ Marketplace
- ◎ Data Service

◎ Beta

- ◎ Earth Observation Service
- ◎ Geospatial Analytics Service
- ◎ Developers Service
- ◎ Methods Library/Service

1

Marketplace

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor. Donec facilisis lacus eget mauris.

2

Data as a Service

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3

Global Datasets

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4

Privacy Preserving Techniques

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5

Global Support Model

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Alpha

- Limited Access
- User Feedback



Beta

- NSI Access
- User Feedback



Live

- NSI + Partners Access
- User Feedback



Business Case/Model

- ◎ Business Model
- ◎ Business Case
- ◎ Funding Model
- ◎ Operations Model

UN Global Platform



Faster. Quality. Statistics

Thanks!



Any questions?

You can find me at [@mcraddock](https://twitter.com/mcraddock) & contactus@officialstatistics.org



A decorative graphic consisting of various colored circles and dashed lines. On the left, there is a large teal ring, a smaller teal circle, a lime green circle, a green circle with a white center, and a small orange circle. On the right, there is a large lime green circle, a green circle, a pink circle, an orange circle, and a large yellow ring. A dashed blue line curves through the scene, connecting the elements.

Annex

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Communications



Communications

- ◎ UN Global Platform Website
- ◎ Events Website
- ◎ Newsletter



Events

- ◎ 5th Big Data Conference
 - ◎ Commonwealth Conference
- 

A decorative border consisting of a dashed light blue line that forms a large circle. Various colored circles (solid and hollow) in shades of teal, green, yellow, orange, and pink are scattered around the perimeter of the dashed line.

100,000,000,000+

ADS-B Records



40,000,000+

AIS Records / Day



75%

- Donec risus dolor porta venenatis
- Pharetra luctus felis
- Proin vel tellus in felis volutpat

- Donec risus dolor porta venenatis
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- Proin vel tellus in felis volutpat



75%

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75%

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75%

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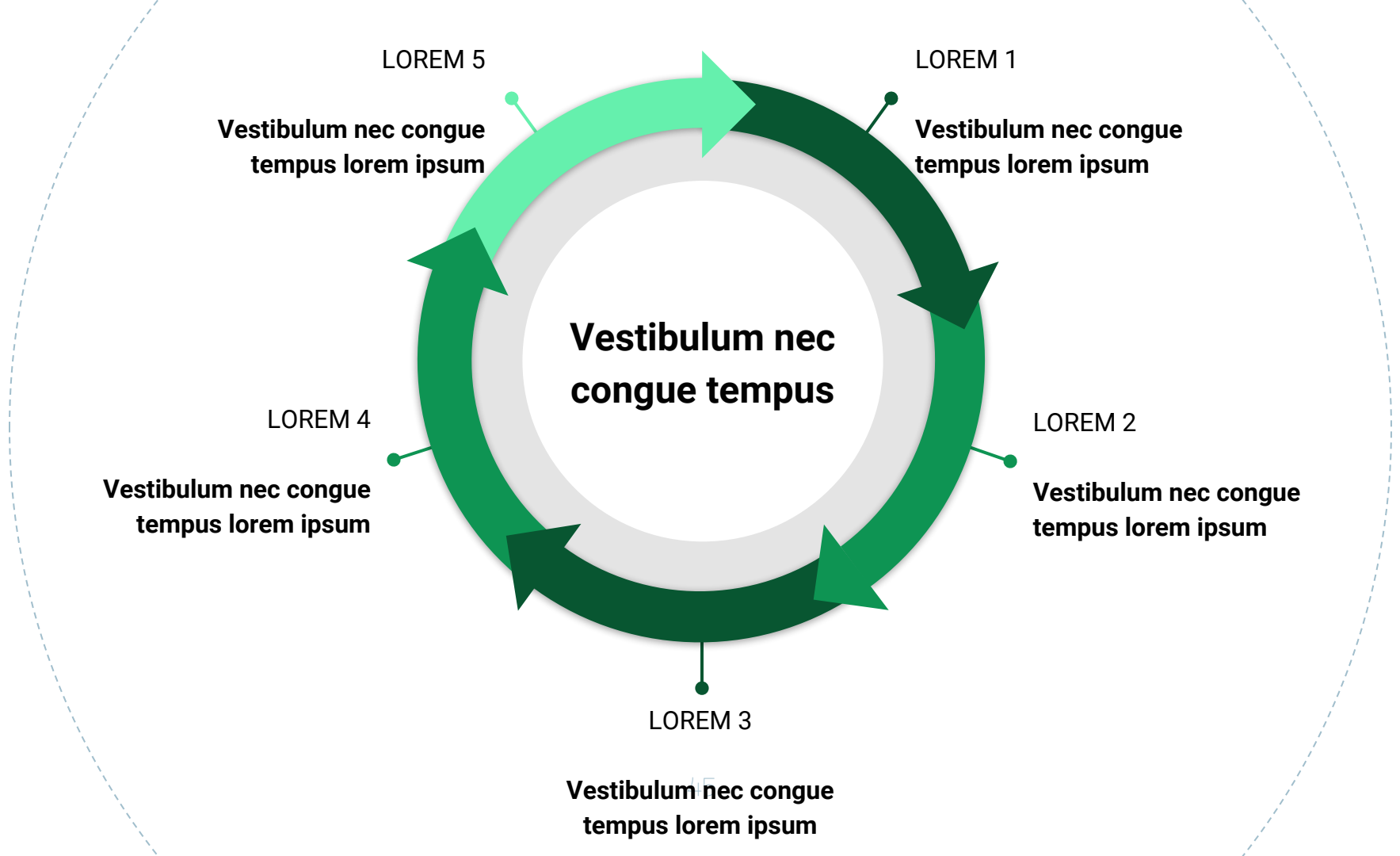
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75%

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- Donec risus dolor porta venenatis
- Pharetra luctus felis
- Proin vel tellus in felis volutpat



LOREM 5

**Vestibulum nec congue
tempus lorem ipsum**

LOREM 1

**Vestibulum nec congue
tempus lorem ipsum**

**Vestibulum nec
congue tempus**

LOREM 4

**Vestibulum nec congue
tempus lorem ipsum**

LOREM 2

**Vestibulum nec congue
tempus lorem ipsum**

LOREM 3

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Maps

