

UN Global Platform

a collaborative environment
for the global statistical community

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MOVING

FORWARD

TOGETHER

Why UN Global Platform?

- **Global data sets, Common methods, Shared services**
- **Working together** – Global collaboration: developing and testing new methods
- **Learning together** – Capacity Development and Training materials
- **Need to move faster – together**

Example Tech Partners



UN Global Platform Stakeholder Groups: expected contributions and benefits

Group	Composition	Contributions	Benefits
Public Sector	NSOs Government Intl org.	Core services for platform Data, Methods, Learning...	Access to new data sources, technologies, expertise

UN Global Platform Stakeholder Groups: expected contributions and benefits

Group	Composition	Contributions	Benefits
Civil Society	Research arm of foundations, NGOs...	Methods, Algorithms, Validation	Reputation and trust

UN Global Platform Stakeholder Groups: expected contributions and benefits

Group	Composition	Contributions	Benefits
Academia	Universities, research institutes, centres of excellence	Methods, algorithms, quality assurance framework, data	Access to new data sources, IT and high-end processing platform

UN Global Platform Stakeholder Groups: expected contributions and benefits

Group	Composition	Contributions	Benefits
Private sector	National and multi-national companies, for profit research institutes	Cloud services, IT, APIs, data sources (e.g. satellite images), algorithms	Access to new partners, reputational value, accelerated integration

UN Global Platform Stakeholder Groups: expected contributions and benefits

Group	Composition	Contributions	Benefits
Donors	Foundations, agencies for cooperation	Fund matching, target specific activities aligned with their mandate	Support access for least developed countries, multiplicative impact factor

UN Global Platform

United Nations - define governance: standards, compliance, assurance (Trust)

Platform Partner Agreement

UN Global Platform Organisation - manage platform evolution/execute governance: standards, compliance, assurance (Trust)

Regional Partner Agreement

Regional Research Hubs

Region 1

Region 2

Region 3

...

Region N

United Nations Global Digital Platform and Marketplace

NSS

Academia

Private Org

Civil
Society

NSI Data
Centers

Data Collaboratives

UNGP options for Institute

- Partnership between the UNSD/DESA and a new charitable organization set up by NSOs and/or private parties
- Partnership between the UNSD/DESA and an established charity organization

UNGP options for Institute

- **UN GP – UK**
 - Global technology center of UNGP
 - Global billing
- **UN GP – China**
 - Technology support Asia
 - Training Center
- **UN GP – Africa**
 - Project management Africa
 - Global UN GP outreach

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UN Global Platform Datasets



Automatic Identification System (AIS)

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

- ⦿ Analysis via
 - ⦿ Methods Service
 - ⦿ Location (Stealth) Service
 - ⦿ Jupyter Notebooks
 - ⦿ APIs



Automatic Dependent Surveillance (ADS-B)

- ⊙ 3 Million Records / Second
- ⊙ Aircraft Position / Movement
- ⊙ 100 Billion Records

- ⊙ Analysis via
 - ⊙ Methods Service
 - ⊙ Location (Stealth) Service
 - ⊙ Jupyter Notebooks
 - ⊙ APIs

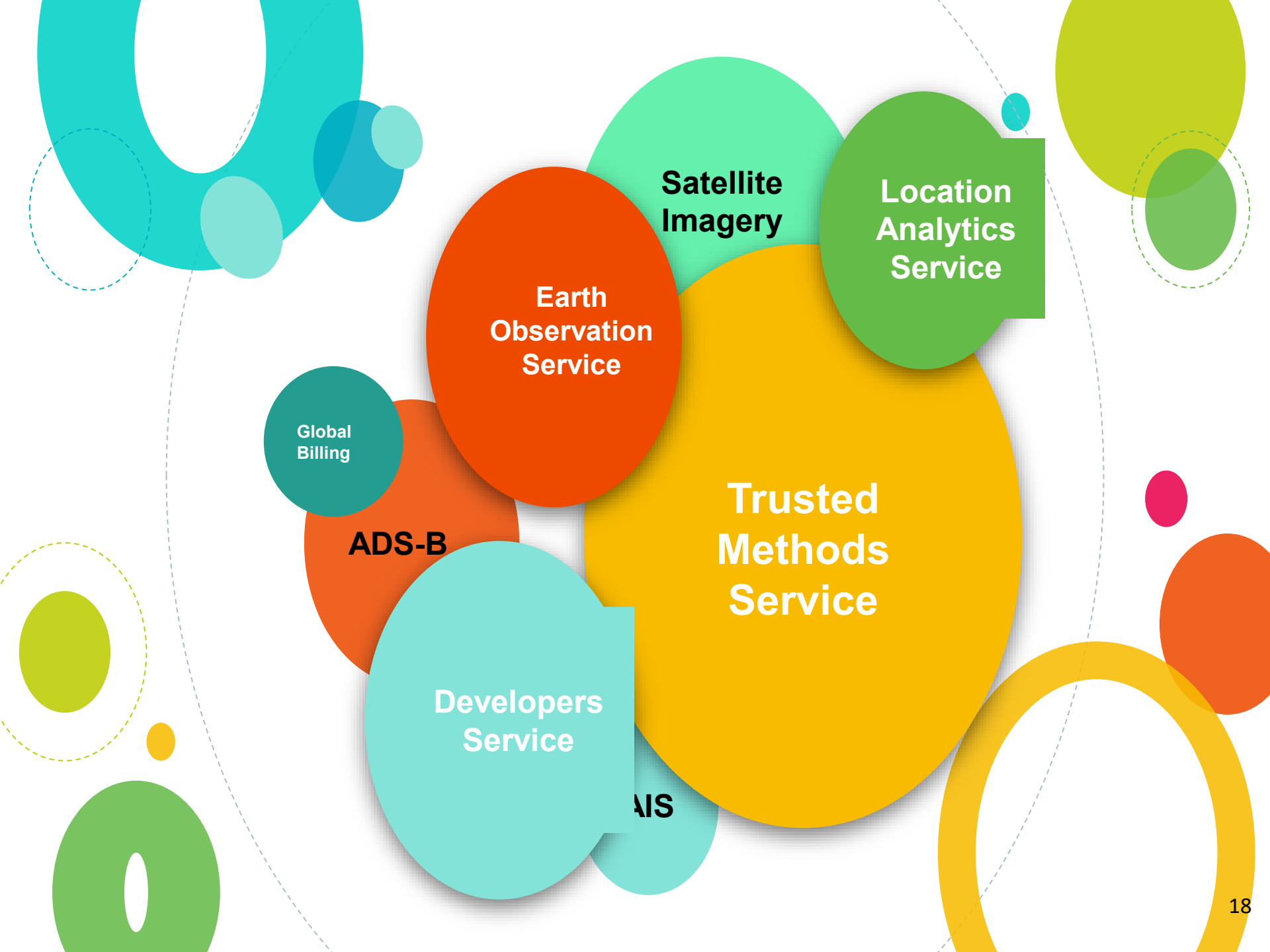


Satellite Imagery

- ⦿ Open Data
 - ⦿ Landsat
 - ⦿ Sentinel
- ⦿ Commercial
 - ⦿ Planet (Trial)
 - ⦿ AirBus (Trial)

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UN Global Platform Services



**Satellite
Imagery**

**Location
Analytics
Service**

**Earth
Observation
Service**

**Trusted
Methods
Service**

**Global
Billing**

ADS-B

**Developers
Service**

AIS



UN Global Platform - Update

- ⊙ Trusted Methods Library/Service
 - ⊙ <https://methods.officialstatistics.org>
- ⊙ Earth Observation Service
 - ⊙ <https://eo.officialstatistics.org>
- ⊙ Location Analytics Service
 - ⊙ <https://location.officialstatistics.org>
- ⊙ Developers Service
 - ⊙ <https://developers.officialstatistics.org>

UN Global Platform - Update

- ⦿ Operations Service
 - ⦿ <https://operations.officialstatistics.org>
- ⦿ Helpdesk Service
 - ⦿ support@officialstatistics.zendesk.com
- ⦿ Marketplace ***NEW**
 - ⦿ marketplace.officialstatistics.org

Example: Gitlab

- **Facilitates source code management**, code review, software wiki generation, plus an in-browser integrated development environment (IDE)
- **Supports continuous integration** and deployment, performance testing and code quality assurance
- **Integrates with docker containers** (lightweight virtual operating systems), with its own container registry, and supports continuous deployment pipelines
- Allows the development of statistical software and **Big Data analytics** projects to take advantage of the state of the art development tooling

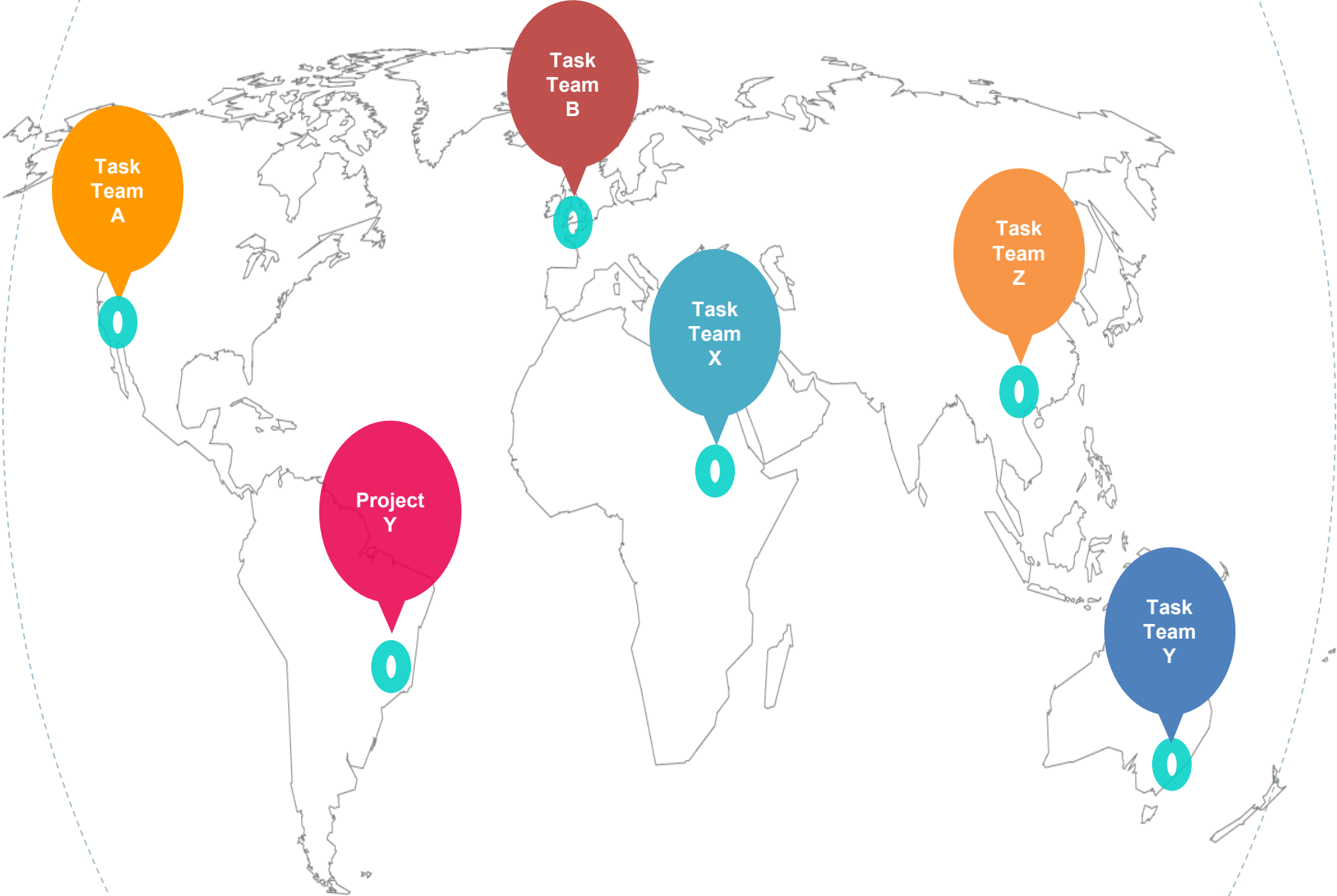
Example: Algorithmia

- The Algorithmia platform is a managed Cloud data portal that allows clients to:
 - a) **DEPLOY** your own machine and deep learning models.
 - b) **CONNECT** your data source via Dropbox, Amazon S3, Algorithmia's Hosted data, Azure, Google Cloud Storage, etc.
 - c) **USE** over 6,700 pre-trained models, utility functions, algorithms and microservices in Algorithmia's Marketplace.
 - d) **CALL** algorithms in the **LANGUAGE** of your choice (R, Python, Java, Ruby, JS, C#) via API's
 - e) **INTEGRATE / AUTOMATE** code with CloudFlare, AWS Lambda, Dexter, Zapier,etc
 - f) **USE** supported machine and deep learning frameworks

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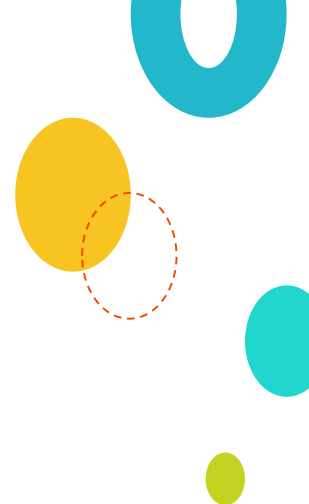
Global Billing

Global Billing





Global Billing

- ⦿ Consolidate Billing Globally
 - ⦿ Leverage Discounts
 - ⦿ Manage Credits
 - ⦿ Allocate Budgets
 - ⦿ Per Task Team
 - ⦿ Per Project
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Demo Time

Search our data

The United Nations Statistics Division is committed to the advancement of the global statistical system.

Search Trusted Data, Projects, Learning, Applications, Services & Partners