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

- Microsoft
- Amazon
- Google
- Demand Institute
- ESRI
### UN Global Platform Stakeholder Groups: expected contributions and benefits

<table>
<thead>
<tr>
<th>Group</th>
<th>Composition</th>
<th>Contributions</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Public Sector</strong></td>
<td>NSOs Government Intl org.</td>
<td>Core services for platform Data, Methods, Learning…</td>
<td>Access to new data sources, technologies, expertise</td>
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<td>Group</td>
<td>Composition</td>
<td>Contributions</td>
<td>Benefits</td>
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<td>Civil Society</td>
<td>Research arm of foundations, NGOs…</td>
<td>Methods, Algorithms, Validation</td>
<td>Reputation and trust</td>
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<tr>
<td>Academia</td>
<td>Universities, research institutes, centres of excellence</td>
<td>Methods, algorithms, quality assurance framework, data</td>
<td>Access to new data sources, IT and high-end processing platform</td>
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<td><strong>Private sector</strong></td>
<td>National and multi-national companies, for profit research institutes</td>
<td>Cloud services, IT, APIs, data sources (e.g. satellite images), algorithms</td>
<td>Access to new partners, reputational value, accelerated integration</td>
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<td>Donors</td>
<td>Foundations, agencies for cooperation</td>
<td>Fund matching, target specific activities aligned with their mandate</td>
<td>Support access for least developed countries, multiplicative impact factor</td>
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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
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)
UN Global Platform Services
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
Global Billing
Global Billing

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

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