CSPA the future of Statistical Production
We need to modernise

We have a burning platform with:

- rigid processes and methods;
- inflexible ageing technology;
- increasing cost of traditional data collection methods;
- inability to quickly respond to emerging information needs;
- slow to harness new and alternative sources of data (such as sensor, satellite);
- difficulty in attracting and retaining skilled staff in the competitive labour market.

In an increasingly digital and data rich environment, statistical organizations are struggling to remain relevant.
Modernisation blueprint exists

It provides a reference architecture to help each agency modernisation, based on common standards:
- BPM
- SIM
- DDI / SDMX

A allows us to modernise our environment and use existing national solutions.
The problem CSPA solves

Historically, statistical organizations have produced specialized business processes and IT systems.

What Enterprise Architecture provides
When countries work on their own...

....Sharing becomes difficult...
CSPA enables sharing
Business Architecture

Information Architecture

Application Architecture

Technology Architecture
• Statistical organisations already participate in many international engagement activities that facilitate sharing.
• All statistical organisations need to modernise and standardise their systems and processes.
• The marginal cost of doing this in a way that supports collaboration and complies with CSPA is relatively low, but the potential savings enabled by such a standard approach are high.
The Statistical Modernization Community

• A vision for an aligned and collaboratively led community.

• Allows all of us to benefit from collaboration and sharing.

• Four main principles:
  – Openness
  – Flexibility
  – Participation
  – Pragmatism
Sharing in the Community

• Extending our existing sharing practices to the next level.

• Heads of Organizations agree in principle to sharing and collaborating in the community.

• Organizations contribute as much as they can, in what form they can (capability, funding, etc.)
Deciding what to invest in as a community

We need to expose investment plans where we are willing to collaborate
Tailored level of contribution allows every country to participate
A portfolio management tool

A tool to capture/update the current state of stakeholder organisations’ portfolios and highlight the areas where investments are planned.

The process of synthesizing investment plans uses the CSPA portfolio management tool to create an overall picture of the CSPA community’s ICT portfolio. The unified view provides the CSPA community with:

- A view of investment coverage and gaps
- Areas of likely duplication or overlap
- Areas of vendor engagements
- A consolidation of the types of investments to be undertaken
Possible CSPA services being built in 2015

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mapping / using machine learning</td>
<td>Collaborators: Canada</td>
</tr>
<tr>
<td>Map BLAISE to surface capability services</td>
<td></td>
</tr>
<tr>
<td>Interviewer workload management</td>
<td>Collaborators: Australia</td>
</tr>
<tr>
<td>Web scraping</td>
<td>Collaborators: Australia</td>
</tr>
<tr>
<td>Test and checking - BANFF</td>
<td>Implementers: Australia, Canada</td>
</tr>
<tr>
<td>Validation – CANEIS</td>
<td></td>
</tr>
<tr>
<td>Probability rules specification (rules engine)</td>
<td>Lead: Australia</td>
</tr>
<tr>
<td>Probabilistic record linking</td>
<td>Lead: Canada</td>
</tr>
<tr>
<td>Implementers: Australia</td>
<td>Implementers: Australia</td>
</tr>
<tr>
<td>Min data classification (e.g. for scanner data)</td>
<td></td>
</tr>
<tr>
<td>OME wrapped capabilities</td>
<td>Collaborators: Australia</td>
</tr>
<tr>
<td>Microdata access (Confidentialised analysis of microdata)</td>
<td>Collaborators: Australia, Finland</td>
</tr>
<tr>
<td>Geospatial visualisation</td>
<td>Implementers: Canada</td>
</tr>
</tbody>
</table>

Green rows mean that a country has volunteered to lead, orange rows mean that countries would be in interested if someone else leads.
How do I find out more?

The CSPA Catalogue

| Knowledge Base (Virtual Help Desk) | • Frameworks (eg GSBPM, GSIM, CSPA)  
| | • International Standards (eg SDMX, DDI) |
| Business Plans and Interest | • Statistical Organization indicative plans |
| Business Capabilities | • Business Architecture  
| | • Capability Reference Model  
| | • Capability Descriptions |
| Statistical Services | • CSPA Service Description  
| | • CSPA Service Specification  
| | • CSPA Service Implementation |
| Technical/Supporting Services | • Deployment Instructions  
| | • Documentation, tests etc  
| | • Refer Service Implementation Documentation |
For more information about CSPA, visit the CSPA wiki at: www1.unece.org/stat/platform/display/CSPA
How do I find out more?

CSPA Wiki

http://www1.unece.org/stat/platform/display/CSPA
Thank you

Our problems are real and shared

We have the foundations we need to collaboratively survive and thrive

Let's get this community up and running

And reap the benefits

We know we have the same problems how many different solutions can we afford??????