## CSPA benefits us all

- more rapidly developed capabilities in areas of emerging need
- drawing together skilled resources from across the international statistical community
- responding to the challenges of emerging information sources such as big data
- assisting statistical organizations to modernise by providing a reference architecture
- reducing costs of production by sharing better practice across the community
- encouraging interoperability of systems and processes
- harnessing new challenges and opportunities faster
- enabling the statistical industry to build common infrastructures and services

## What is CSPA?

CSPA is a reference architecture for the statistical industry, which has been developed and peer reviewed by the international statistical community. CSPA:

- covers statistical production across the processes defined by the GSBPM
- provides a practical link between our conceptual standards – the Generic Statistical Information Model (GSIM) and the Generic Statistical Business Production Model (GSBPM), and statistical production
- includes application architecture and associated principles for the delivery of statistical services
- includes technology architecture and principles - limited to the delivery of statistical services
- does not prescribe technology environments of statistical organizations.

# CSPA

Common Statistical Production Architecture: built by the Statistical Community for the Statistical Industry

*"We all face similar challenges in building robust, modern, productive environments – the CSPA community gives you access to the best tools others have developed and allows you to get feedback on the tools you have created."*

**- Vince Galvin**
**Chief Methodologist, Statistics NZ**

**CSPA: Five Quick Facts:**

1) CSPA will provide services built by the statistical industry using architectural standards.
2) CSPA gives the statistical community a framework for collaborating and sharing effectively.
3) A full set of tools, templates and guidelines are available to help your organization implement CSPA
4) CSPA provides support for the whole span of the statistical production process.
5) CSPA has a vibrant international community actively supporting and implementing the framework.

## Our burning platform.

There are a number of threats that exist in the current statistical environment, and that require statistical organizations to act now:

1) rigid processes and methods

2) inflexible ageing technology environments

3) increasing cost of traditional Censuses and surveys

3) inability to quickly respond to emerging information needs

4) inability to make use of administrative data and harness alternative sources of data, such as sensor and satellite data

5) increasing challenges in attracting and retaining critically skilled staff in a competitive market

Many statistical organizations are struggling to find the resources to continue to produce robust and relevant statistics to meet the increasing demands of customers. This comes at a time when governments around the world are less likely to provide statistical organizations with large injections of funds to address critically fragile statistical infrastructure.

## Together we can do it better

Working collaboratively, we can combine resources to develop better solutions for complex problems and opportunities.

CSPA's collaborative development approach allows the development of good systems quickly and cheaply. We can draw on the breadth and depth of skill across the community and maintain momentum over the longer term.

Belonging to an international community reduces individual risk for new developments through additional scrutiny and testing. We can also harness capacity from across the community to insulate individual statistical organizations from budgetary shock.

### Extending Standards to shared services

As a community, statistical organizations already have shared principles, values, standards and frameworks, such as System of National Accounts and International Standard Industry Classification. We have each developed our own local implementation, duplicating effort and augmenting our local portfolio of systems. CSPA provides a vehicle for the statistical community to co-design, develop, and then implement shareable statistical services.

**Who should use CSPA?**

- Investment decision makers

- Architects including Enterprise, Information, Solution.

- Developers

- Business analysts

- People involved in international collaboration.

## Contact Us

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