



# CSPA

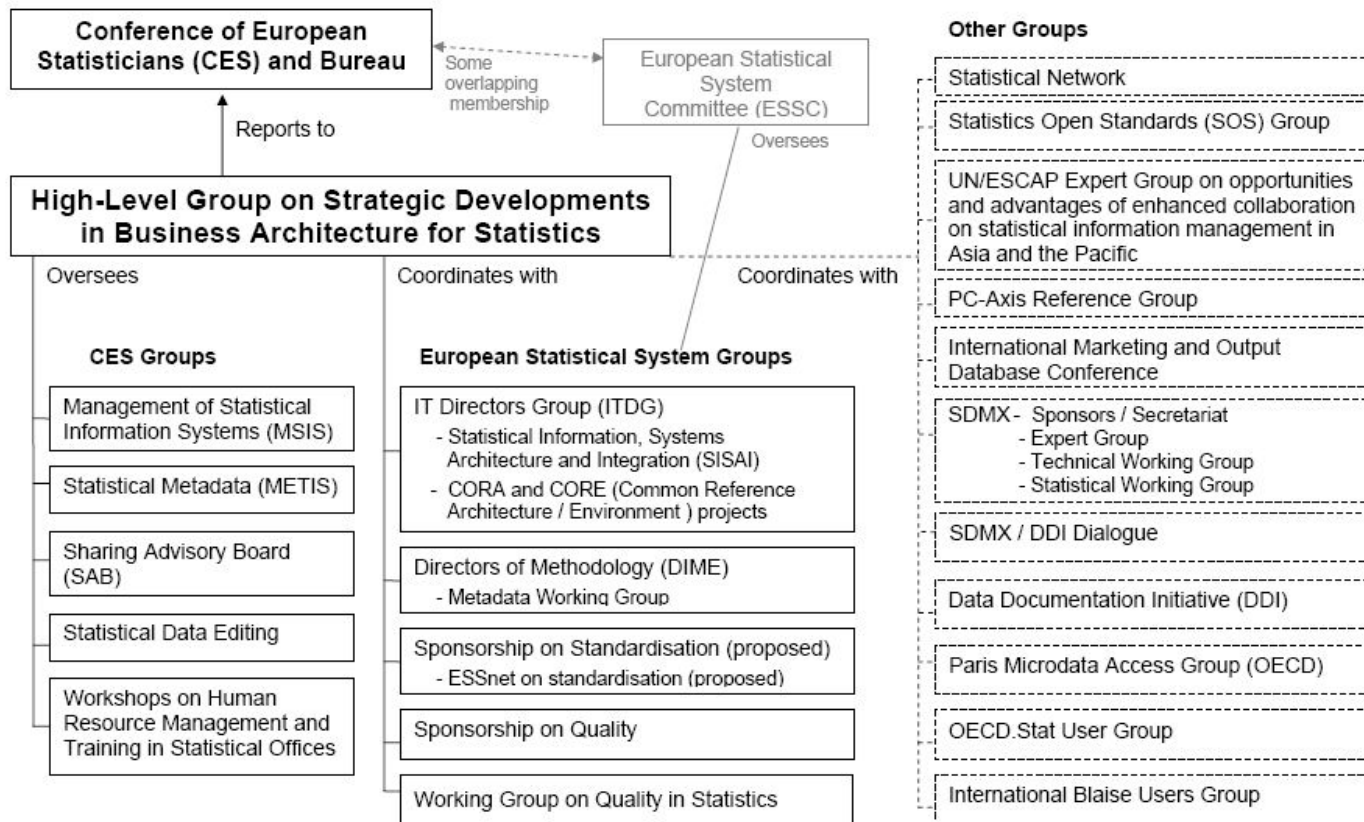
**Common Statistical Production  
Architecture**

**Motivations: definition and  
benefit of CSPA and  
service oriented  
architectures**

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# International cooperation in Statistics

## How the High-Level Group Relates to Other Bodies



# HLG

The Bureau of the Conference of European Statisticians (CES) established a High Level Group, in 2010. This group was known as the High-Level Group for Strategic Developments in Business Architecture in Statistics

The High-Level Group has produced a [strategic vision](#), which was adopted by the CES in June 2011, and a [strategy](#) to implement that vision, adopted by the CES in June 2012

Now the name of the group is "High-Level Group for the Modernisation of Statistical Production and Services" (HLG)

# HLG

The mission of the HLG is to oversee development of frameworks, and sharing of information, tools and methods, which support the modernisation of statistical organisations. The aim is to improve the efficiency of the statistical production process, and the ability to produce outputs that better meet user needs. Within the official statistics community, it will take a leadership and coordination role.

The HLG will oversee and steer the work of relevant CES expert groups, and will coordinate, and give leadership where needed, to other relevant international expert groups and UN regional commissions. It is responsible for stimulating development of global standards and overseeing collaboration activities.

# HLG Vision

## The product challenge

Changeover from a society with little or no data available to one that has an abundance of data.

In this light we have to rethink our traditional business values and the reasons of our existence.

Now other organisations developing statistics similar to ours but much, much quicker (e.g. Google) and on an almost global scale.

We also see other very interesting uses of statistics, prompted by the availability of so much data.

# High Level Group

## High Level Group for the Modernisation of Statistical Production and Services (HLG)

The members for 2014 are:

- Pádraig Dalton (Ireland) – Chairman
- Trevor Sutton (Australia)
- Wayne Smith (Canada)
- Emanuele Baldacci (Italy)
- Bert Kroese (Netherlands)
- Park, Hyungsoo (Republic of Korea)
- Genovefa Ružič (Slovenia)
- Walter Radermacher (Eurostat)
- Martine Durand (OECD)
- Lidia Bratanova (UNECE)

# HLG Vision

## Vision on processes:

The production of statistics should be based on common and standardised processes, transforming raw data into statistical products according to generic and commonly accepted information concepts.

International agreements on shared principles should lead to increased harmonisation of production methods, and subsequently extend the market potential for common production means and solutions provided for by the statistical community or by ICT industry.

We view this as the industrialisation and standardisation of statistics production

# HLG Vision

## Vision on processes:

Each statistical organization is a factory of statistical information. Together these statistical organizations form the 'official information' industry. Like any established industry, the production of official statistical information should have its own industrial standards.

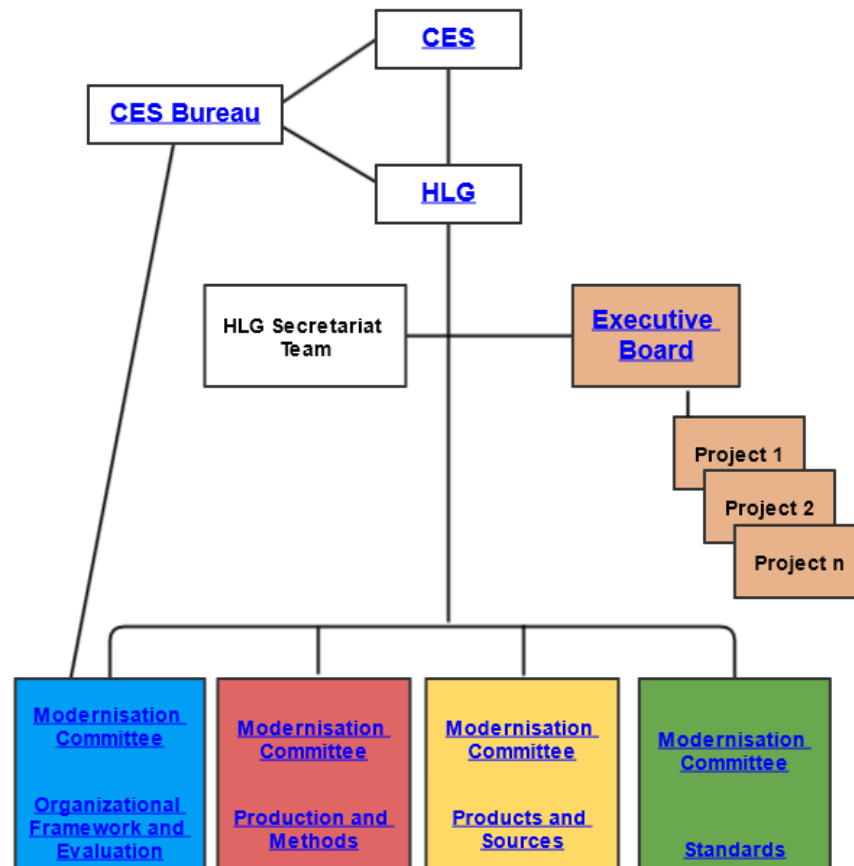
On the one hand, this will provide a necessary foundation for development and exchange of the means of production among the statistics producers. On the other hand, this will consolidate the use of our statistical outputs in the global information community, making them readily accessible, interpretable and comparable.





European  
Commission

# HLG Governance



# HLG Strategy

## Strategy:

Statistical organisations need to improve their processes to free up resources for the new developments. This improvement will be done by harmonising our knowledge based on international standards such as the Generic Statistical Business Process Model (GSBPM) and the Generic Statistical Information Model (GSIM) and an alignment of our methods and technology.

The first step is the development of the GSIM; the next will be a first outline of a “plug-and-play” architecture in which components can be assembled in different ways, rather like Lego blocks.

# HLG Projects

Projects 2012-2013:

- GSIM Generic Statistical Information Model
- Framework and standards
- CSPA

Projects 2014:

- Big data in Official Statistics
- CSPA Implementation

# CSPA

Common Statistical Production Architecture (CSPA): framework about Statistical Services to create an agreed top level description of the 'system' of producing statistics which is in alignment with the modernization initiative

CSPA provides

- Support the implementation of the vision and strategy of an industry
- An architecture template for statistical production
- A set of agreed common principles and standards designed to promote interoperability
- A common vocabulary to discuss implementations

# CSPA desired outcomes

Increased:

- interoperability in Official Statistics through the sharing of processes and components
- ability to find real/genuine collaboration opportunities
- ability to make international decisions and investments
- sharing of architectural/design knowledge and practices



# The concept of Plug&Play

Standardised Service:

- Standardised input and output
- Meet generic non-functional requirements
- Can be easily used and reused in a number of different processes

