

Present and future of Idescat
Where is official statistics heading?

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I jornades de consultoria i software
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Esquema

Breve presentación de Idescat y su entorno

Un documento clave: *Strategic Vision...*

Cambio de rol: de centro a nodo superconectado

Conclusión

- ▶ Una historia de 22 años, y más
- ▶ Un equipo de 100 personas
- ▶ Tres secciones
 - ▶ Producción y Coordinación
 - ▶ Información y Difusión
 - ▶ Administración y servicios generales

Producción y coordinación

Áreas:

- ▶ Estadísticas económicas
- ▶ Estadísticas demográficas
- ▶ Estadísticas sociales
- ▶ Asistencia técnica estadística

Información y difusión

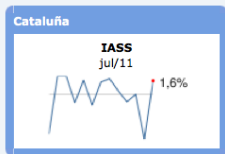
- ▶ Sistemas de información y bases de datos
- ▶ Web www.idescat.cat
- ▶ En desarrollo el *Portal de l'estadística de Catalunya*
 - ▶ Quiere integrar Idescat con la actividad estadística de Catalunya
 - ▶ Relación con la administración
 - ▶ Con universidades y centros de investigación
 - ▶ Con los demás sectores sociales y económicos
 - ▶ Con otros institutos del país y del exterior

Destacamos en la web:

- ▶ Ginyes (widgets) y APIs

Widget de Gráfico de evolución de indicadores

Cómo se verá el widget en su página



Widget facilitado por idescat

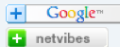
Dimensiones: 196x155

Seleccione la información que quiere representar

IASS

Otras opciones

Indicadores al día de Cataluña	
IPI oct/09	-11.0%
Clima exportador III/09	10.2
Pasajeros aeropuertos oct/09	-1.3%
Clima industrial nov/09	-27.5
Turismos nov/09	46.7%
Vehículos indust. nov/09	-0.8%



- ▶ API de Indicadores al día
- ▶ RSS de Indicadores al día
- ▶ Coyuntura económica
- ▶ Estructura económica

Un **widget** es una pequeña aplicación que se puede incrustar, por ejemplo, en una página web.

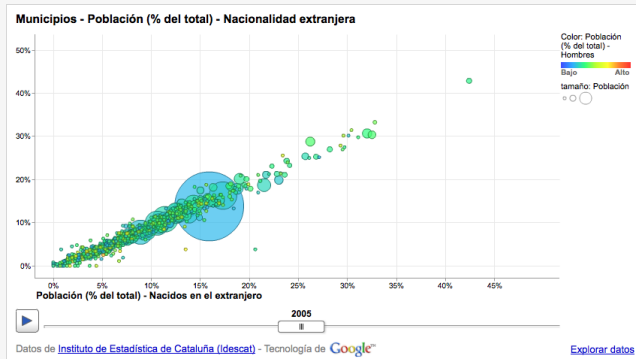
Destacamos en la web:

► Datos municipales en Google PublicData Explorer

■ 13. Cómo descubrir relaciones entre diversas variables

Los diagramas de dispersión permiten evidenciar relaciones entre hasta cuatro variables (eje de abscisas, eje de ordenadas, diámetro de la burbuja, color de la burbuja) en el tiempo (animación).

Por ejemplo, población por lugar de nacimiento y nacionalidad en los municipios de Cataluña.

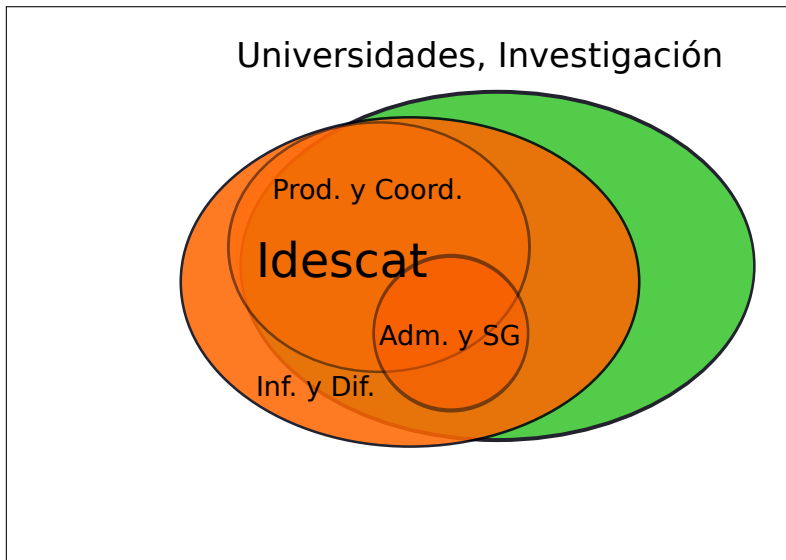


■ Enlazar o incrustar este gráfico

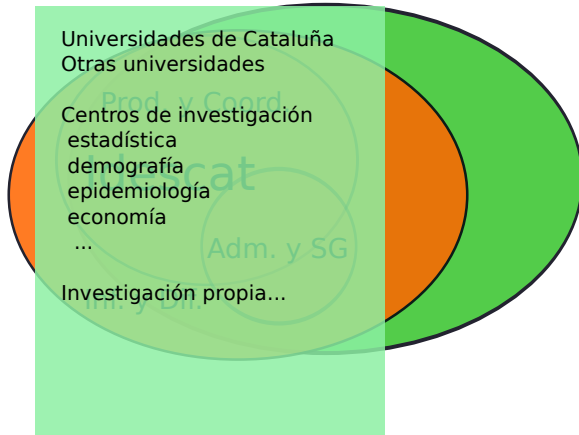
Idescat



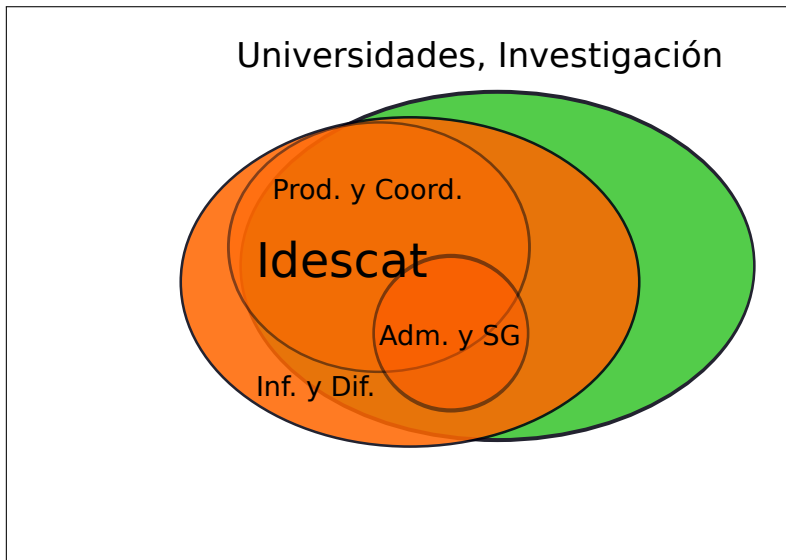
Idescat y su entorno



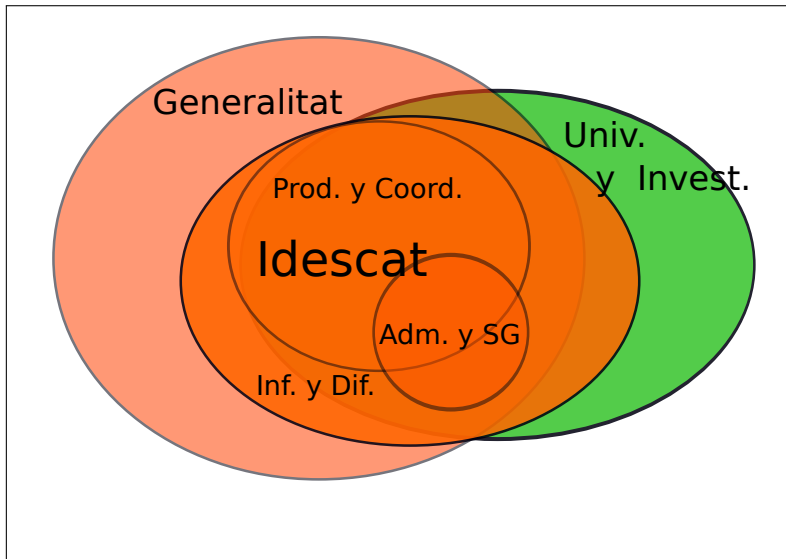
Universidades, Investigación



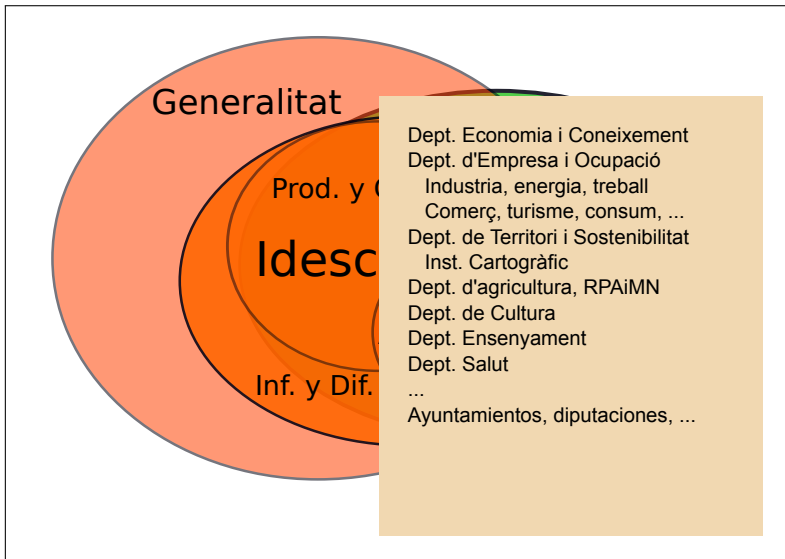
Idescat y su entorno



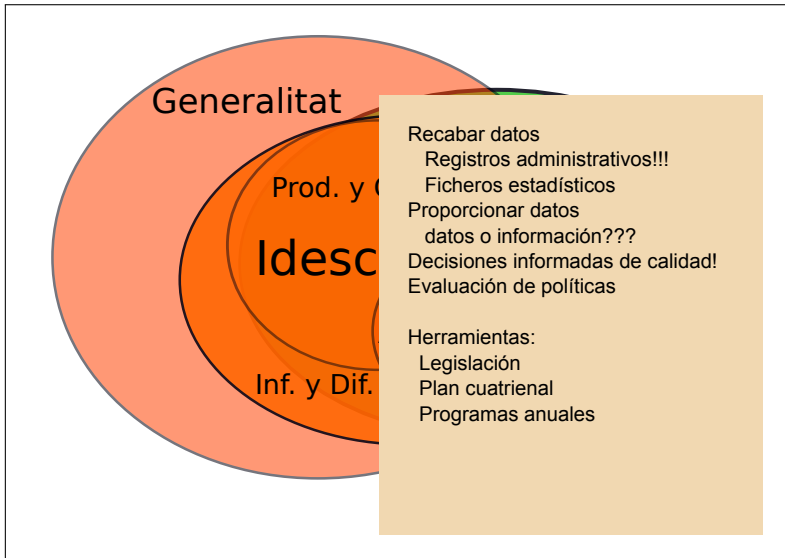
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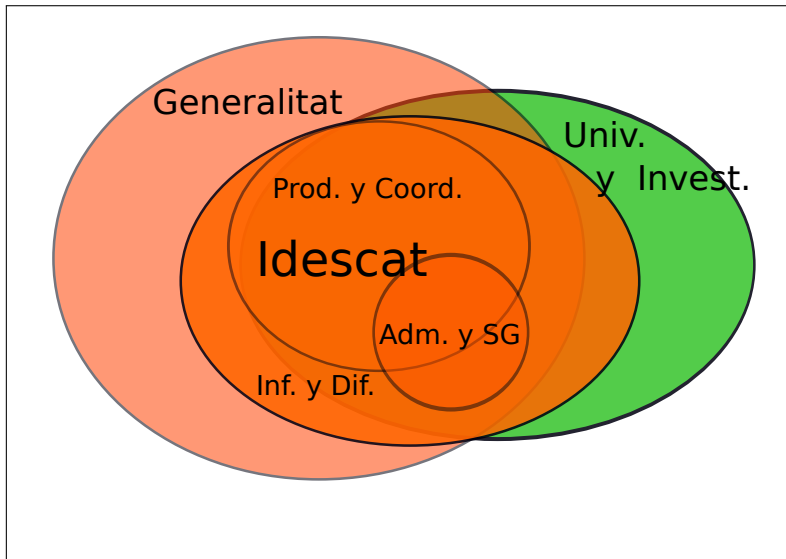
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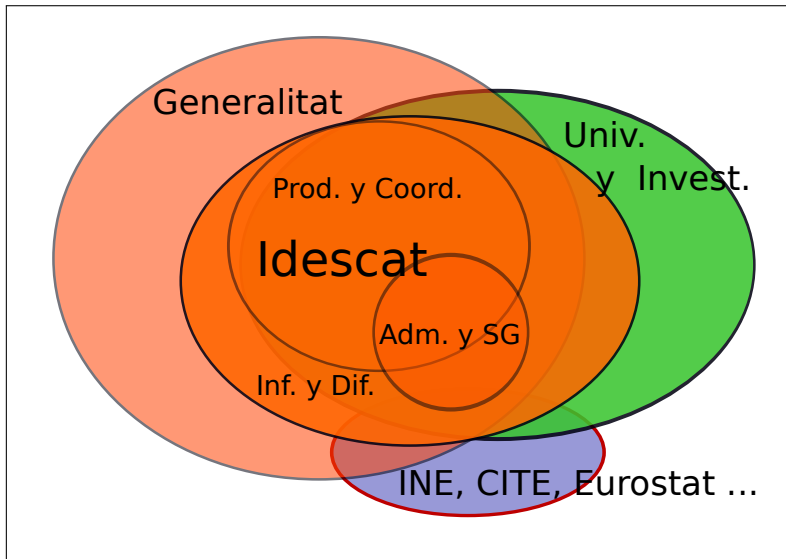
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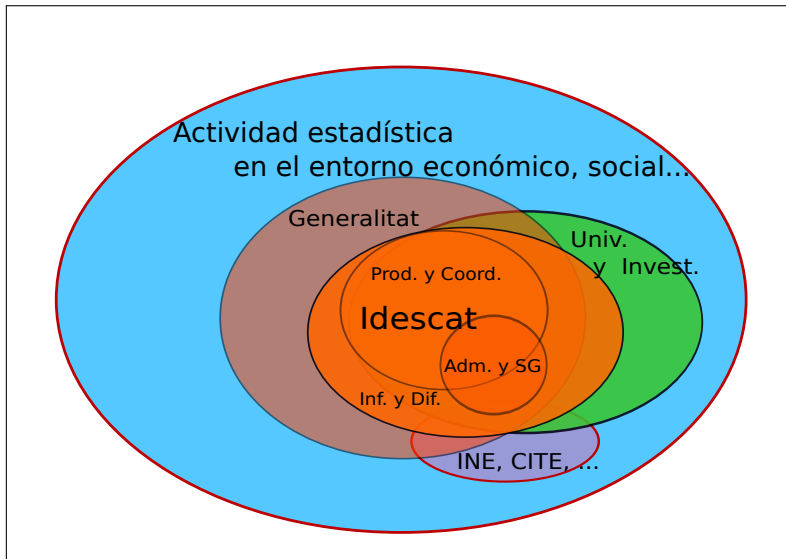
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Actividad estadística en el entorno económico, social...

Consultoría, marketing, asesoría, ...
Aseguradoras, mutuas médicas, ...
Fundaciones con finalidad social o cultural
Cámaras, patronales, sindicatos, ...
Entidades financieras
Industria de diversos sectores
Medios de comunicación
Enseñanza

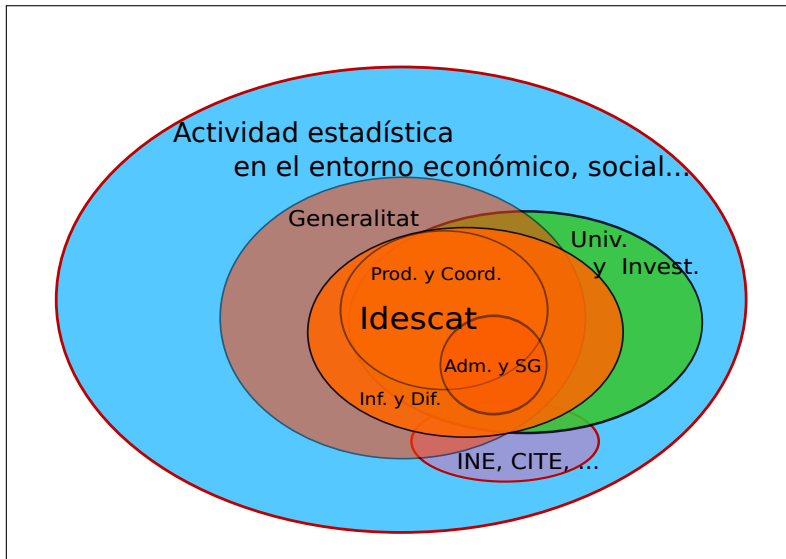
Expertos en ámbitos diversos
Societat catalana d'estadística

invest.

Idecat y su entorno



Idescat y su entorno



Un documento clave

<http://live.unece.org/fileadmin/DAM/stats/documents/ece/ces/2011/1.e.pdf>

United Nations

ECE/CES/2011/1



Economic and Social Council

Distr.: General
23 March 2011

Original: English

Economic Commission for Europe

Conference of European Statisticians

Fifty-ninth plenary session

Geneva, 14-16 June 2011

Item 4 of the provisional agenda

A strategic vision for the products and processes of official statistics – report by the High-level Group for Strategic Developments in Business Architecture in Statistics

Strategic vision of the High-level group for strategic developments in business architecture in statistics

Note by Statistics Netherlands

Summary

In 2010 the Bureau of the Conference of European Statisticians created the High-Level Group for Strategic Developments in Business Architecture in Statistics, comprising heads of several national and international statistical organizations, to reflect on and guide strategic developments in the ways in which official statistics are produced. The High-Level Group has developed a vision paper to provide the necessary coordination and strategic direction to the many international initiatives currently working on related topics. This vision paper is presented to the Conference of European Statisticians to inform delegates, and seek their feedback and support.

High-level group. . .

<http://www1.unece.org/stat/platform/display/hlgbas>

High-Level Group for Strategic Directions in Business Architecture in Statistics (HLG-BAS)

[www1.unece.org/stat/platform/display/hlgbas](#)

The High-Level Group for Strategic Directions in Business Architecture in Statistics (HLG-BAS) was set up by the Bureau of the Conference of European Statisticians in 2010 to oversee and coordinate international work relating to the development of enterprise architectures within statistical organisations. The current members of the HLG-BAS are:

- Gosse van der Veen (Netherlands) - Chairman
- Brian Pink (Australia)
- Enrico Giovannini (Italy)
- Irena Krížman (Slovenia)
- Katherine Wallman (United States)
- Walter Radermacher (Eurostat)
- Martine Durand (OECD)
- Lidia Bratanova (UNECE)

El modelo tradicional

I. Introduction

A. The product challenge

1. Traditionally the output of statistical organizations has been determined by the demands of their respective governments and other organizations. **The process is one of reasoning back from the output desired to survey design. This approach was mostly caused by the fact that little or no data were available.** This has shaped the way official statistics are designed and produced. We have elaborate coding schemes like the International Standard Industrial Classification (ISIC) on which we have based carefully designed surveys. Gradually – and somewhat reluctantly at first – we have included the use of official registrations in our daily work. We determine which registrations would be able to fit our pre-specified needs, then try to process and edit them to replace or supplement survey data.

2. We, the statistical organizations, have thus been conditioned to look at data through a filter that discards all data without the stamp "officially sourced" or "officially collected" as generally not fit for our use. There was little of that type of data anyway. This traditional approach is now rapidly becoming outdated.

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La sociedad de la información

5. Internet companies and other entities have demonstrated that something very interesting is happening. **We are in a 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.

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We see other parties making statistics that are akin 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.

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We see other parties making statistics that are akin 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.

Another important point is that nowadays it is much easier to get data that cover more than the traditional national statistics users would need. **We do not, however, have the mechanisms in place to make full use of these data.**

Oportunitades a partir de la informació disponible

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7. **In an information society there is an abundance of data**. To a statistical organization this represents an abundance of opportunities. We have to learn to look in this way at the available data and **find the opportunities hidden in there** and not only see them as ore for our stovepipes which have to be refined to fulfil our predefined needs.

Las oportunidades están donde estén los datos

A. On products

16. Statistics can be a most exciting business, showing causality where there was none expected and providing insight into the inner workings of our society. **It used to be very difficult to fulfil that role, data being scarce and expensive; a survey is a costly instrument.** In a society that is transforming into an information society, we can be an exciting business.

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We, as impartial organizations with legislation on our side, are in a unique position to **connect to the data of the emerging information society and transform them into something useful.**

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The opportunities these data represent will need to be transformed into concrete statistical products. The active pursuit of data and the creation of products that give insight from an impartial perspective, our unique selling point, will be **our new mission**.

It will undoubtedly mean that our organizations will have **to leave their comfort zone** and will have to question the work that seems so normal at present.

El documento sigue... y concluye

48. The changes we are proposing are profound and it will be a challenge to achieve them, but the world in which we used to define our role in no longer exists.

For us, as statistical organizations, there is no other way forward than to adapt and to create an advantage (again).

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For us, as statistical organizations, there is no other way forward than to adapt and to create an advantage (again).

This will take a lot of time and effort, and we will have to collaborate to retain the relevance we need.

But then, our world is changing and we have to change with it.

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- ▶ **Debemos adaptarnos a los cambios, para no convertirnos en irrelevantes**

Símil estadístico

Un modelo de regresión que reúne las variables en una variable explicada

$$y_i = \sum \beta_{ij} x_j$$

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versus

un modelo factorial que intenta extraer la información relevante (a menudo inobservable) en un mar de variables

$$x_i = \sum a_{ij} F_{ij}$$

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Hay que concretar esta visión estratégica, de largo plazo

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 - ▶ Integración de gráficos y mapas
 - ▶ Facilitar la interrelación de los datos, para proporcionar información
- ▶ **Y todo esto con los mismos recursos, o menos!**

Muchas gracias por su atención

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<http://pascal.upf.edu>