

# Impact assessment of automatic extraction of data

## Summary

Profile type	Company's country	POD reference
<b>Technology request</b>	<b>Spain</b>	<b>TRES20230922010</b>
Profile status	Type of partnership	Targeted countries
<b>PUBLISHED</b>	<b>Commercial agreement with technical assistance</b>	<b>• World</b>
Contact Person	Term of validity	Last update
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## General Information

### Short summary

Organization from Biscay (north of Spain) has launched an open-innovation challenge: to assess the impact of SME grant programmes through the automatic extraction of data, smart visualization and comparisons with external data. The type of cooperation envisaged is that of a commercial agreement with technical assistance.

### Full description

This is a non-profit organization created by the Provincial Council of Biscay. Its main aim is that of modernising municipal councils with the incorporation of new technologies. In short, they want to attract technological innovation to the local administration.

In this case, they are collaborating with the Department for Economic Development of the Provincial Council of Biscay whose goal is to strengthen the business and industrial ecosystem of the region. For this purpose, they provide a whole range of grants in those areas that promote SMEs' competitiveness.

In the process of grant management, information is collected from the beneficiary SME (also start-up, scale-up and other types of organizations) through evaluation, monitoring reports and on-site visits.

In order to improve the process and to help measure the impact that grants and services have on SMEs, it was

deemed necessary to migrate the data already available to automatic models in such a way that information can be better visualised and managed. This would imply the generation of historical records and the possibility of drawing conclusions for future decision-making.

The sub-challenges involved:

- To explore models for the automatic extraction and structuring of information from different formats that are already available (PDFs, spreadsheets, text documents..)
- To visualise the information in a way that conclusions can be drawn and errors can be automatically detected,
- To identify, compile and visualise related external data (sectoral, economic, social...) to complete the data,

3 areas of opportunity where potential solutions would be of help have been detected:

- Extract data from current documents (PDFs and other formats) and migrate them into more elaborate models,
- Explore what other type of data from open sources can enrich the current data,
- Facilitate an understanding of the data and its use for decision-making and impact measurement through their visualization and automated analysis.

Furthermore, a reflection on which data will have to be extracted is needed so that information can be managed and models for impact measurement can be used for further evaluations and decision-making.

Solutions that comply at least with two of the following objectives are sought:

1. To obtain quantitative and actionable data from the different existing formats, exploring the ways of extracting the knowledge of the Department's staff.
2. To visualise the information in a clear way and enable the inclusion and cross-reference of external data for further decision-making.
3. To explore what other type of information could be interested to collect in the interaction with the SME and include it in the process.

This is an open-innovation challenge that involves undertaking a pilot project. Those interested in participating will have to submit their proposal via a platform link that will be provided upon generating an expression of interest. Likewise, the link contains further information and indications on how to proceed.

Deadline: 31/10/23

The envisaged type of cooperation is that of a commercial agreement with technical assistance.

Advantages and innovations

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Technical specification or expertise sought

Digital solutions are sought by unconventional partners such as start-ups, scale-ups, technological SMEs involved in the ICT field. A clear value proposal relevant to the challenge is expected.

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Stage of development

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

## Partner Sought

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Expected role of the partner

The partner must come from the ICT field and therefore, must provide a digital technological and market-oriented tool. It must also be user friendly (different levels of digital skills), simple, scalable, easily adoptable and implemented. Likewise, the solution must be interoperable and non-intrusive for users in such a way that it does not place an additional burden on internal staff.

Type of partnership

**Commercial agreement with technical assistance**

Type and size of the partner

- **SME <=10**
- **SME 50 - 249**
- **Other**
- **SME 11-49**

## Dissemination

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### Technology keywords

- **01004005 - e-Government**
- **01003022 - Smart Appliances**
- **01003006 - Computer Software**

### Targeted countries

- **World**

### Market keywords

- **02006005 - Big data management**
- **01006004 - Communications services**
- **02006007 - Databases and on-line information services**
- **02007007 - Applications software**
- **02007004 - Program development tools/languages**

### Sector groups involved