

A dark, monochromatic image of a statue of Lady Justice, the personification of justice. She is depicted with a crown of oak leaves, holding a scale of justice in her left hand and a sword in her right. The image is overlaid with a white grid pattern consisting of a vertical line, a horizontal line, and a diagonal line from the top right to the bottom left.

# A new era for digital justice, Data-Driven justice

# New Justice paradigm

NTT Data has a vision to build a new paradigm of Justice, where all the information contained in the Public Justice Service can be exploited, workable, usable and can be shared securely, not only between the legal operators themselves but also with other external operators.

We believe that the generation of knowledge based on data, will support each of the decisions reached by public administrations.

We can identify a common reality in the administrations that make this a complex challenge and to which we must give great responses, we must focus on the following realities:

- **Based on unstructured information.**
- **Low data quality.**

# Benefits of Data –Driven Justice

The transformation of the Administration of Justice to a data-driven culture is beginning to generate benefits for both professionals and society in general.



# Benefits for professionals and citizens

## For professionals:

- **Simplifies and systematizes work**, more value in every activity.
- **Reduces manual workload** as well as **avoids potential errors**.
- Reducing time and deadlines in the processing of legal proceedings, improving efficiency and productivity
- Makes possible to measure the performance of new laws that are developed through data, as well as the best practices for adapting regulations.

## For citizens and society in general:

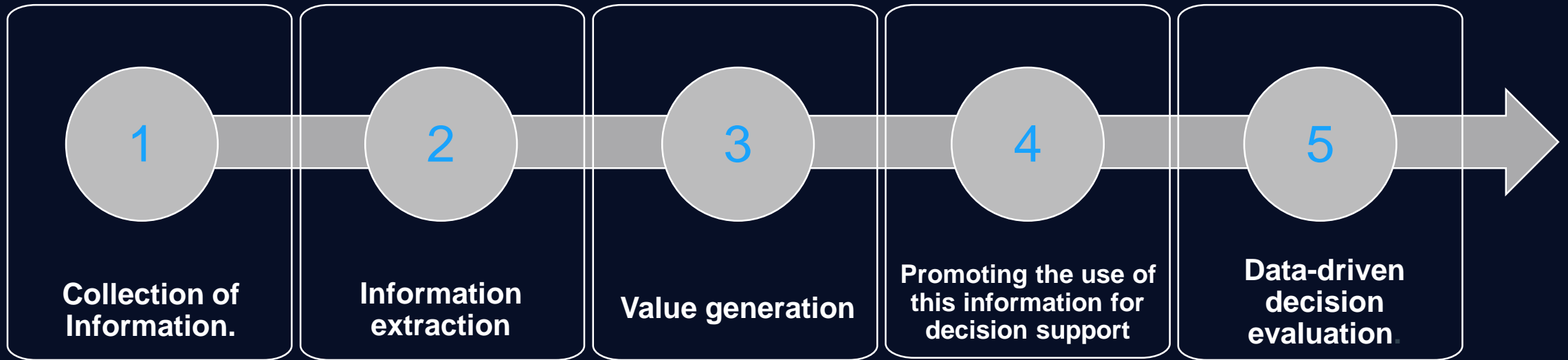
- Greater citizen transparency allowing them to meet their expectations
- Greater efficiency of the justice system, derived from better targeted policies.
- Reduce costs and optimize current processes in the provision of public services.





Data-Driven Justice... But  
how we approach the  
challenge?

# Five keys to boosting data in the Administration of Justice



1. The first step is to secure access to large amounts of videos (Court Hearings), digitized and undigitized documents

2. The second step requires the use of tools such as OCR, speech textualization, NLP combined with dictionaries and ontologies, trained on legal language, that allow us to work with the processing of data and information in the different areas

3. Subsequently, we must generate VALUE Use Cases for the Justice Administration, for professionals and for citizens, cross-referencing data from the judicial and social spheres.

4. We must apply data and use cases to establish improvements at the level of internal operations (automatic or semi-automatic decisions based on data) and towards the citizen that allow users to evangelize the benefits of Data-Driven Justice

5. Evaluating the decisions and measures taken based on the data and refining the models and solutions, which will allow the incorporation of improvements in the judicial processes and involve the legal profiles in the transformation.

# Uses cases of boosting data in the Administration of Justice

## Experience in Data-driven Automation

NTT DATA is collaborating with the Ministry of Justice since Jun 2022 in different areas of data value using RPA.

### Application of Judicial Consignment and Deposit Accounts (CDCJ)

IMPLEMENTED 70% in the territory of the Ministry, currently at rates >77,000 hours of execution per year, or more than 120,000 hours reduced to lawyers

### Nationality

From its launch last August to September 2023, more than TWO MILLION robotic processing has been carried out on nationality application files. More than 250,000 grants of nationality by residence and about 25,000 of Sephardim have been generated

### Automation of order for payment procedures

+ IA



Automation of the Registration and Distribution processes, Initial processing, generating the necessary documents, and processing after N days, to resolve the procedure (generating the necessary documents).

More than 210,000 hours of automatable work

# Clonika, a NTT Data Platform for Data-Driven Automation

## Clonika Architecture

Clonika has an as-a-service operations platform but can be integrated with customer-implemented solutions.

The monitoring module offers both standard and custom dashboards as well as alarm management at all layers of the platform: Strategy, Governance, Operations, Solutions and Infrastructure.

Clonika is fully secure at all levels: communications, repositories, users... All actions carried out on the platform are recorded and 3 security audits are passed every year.





# Uses cases of boosting data in the Administration of Justice

Experience in Data-Driven. JUISE

## Objectives

- Analysis of judicial and not judicial data
- Evaluation of the impact of justice and public related policies

**JUISE**

## Results

- Social Impact Report on the Administration of Justice
- Studies of thematic areas

ARTIFICIAL  
INTELLIGENCE



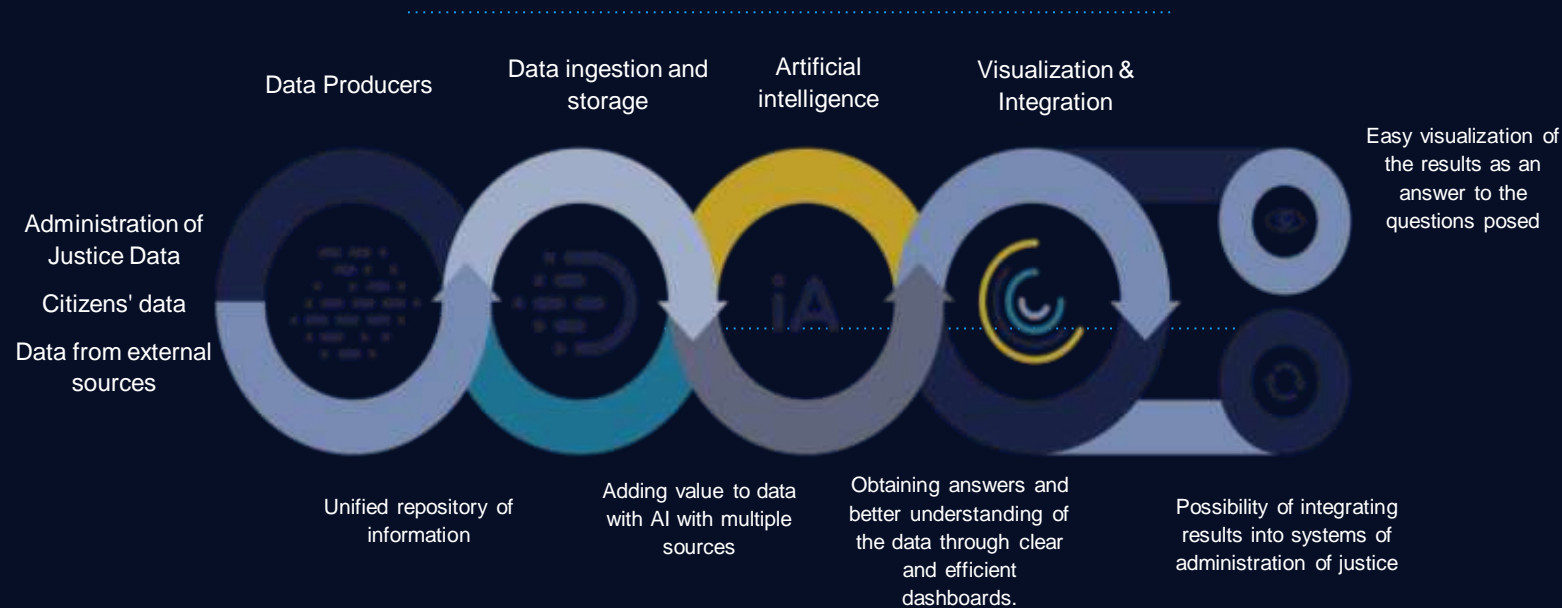
BIG DATA

# NTT Data Platform for data management and ai in the public sector

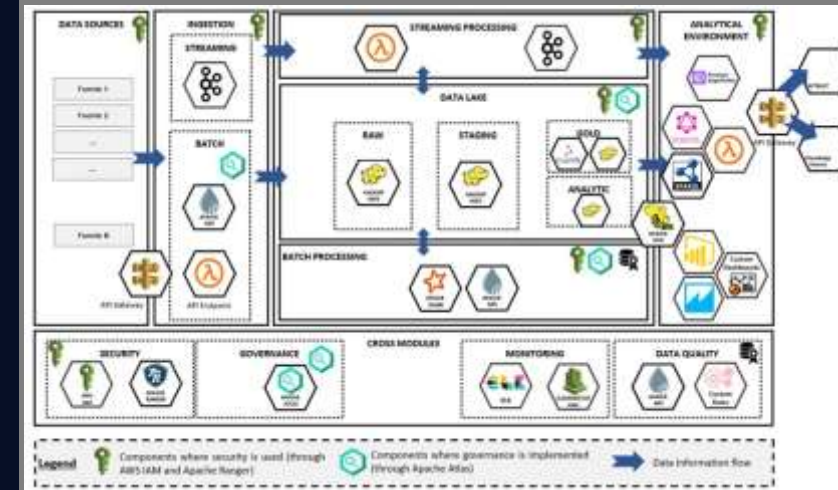
## Experience in Data-Driven.

An open platform for integrating different data sources, with AI capabilities to integrate, process, and extract value from the multi-source data collected, and provide solutions to consume the datasets, knowledge, and value extracted in a single end-user environment

### Conceptual model



### Technical Architecture



# Uses cases of boosting data in the Administration of Justice

## JUISE Experience – Social Impact Report

Development of the social impact report integrating sources that allow measuring:

### 4 Citizens impact

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And incorporating the feelings of citizens, through CIS surveys and accessibility through the provision of sentences in Easy Reading

### 3 Digital transformation

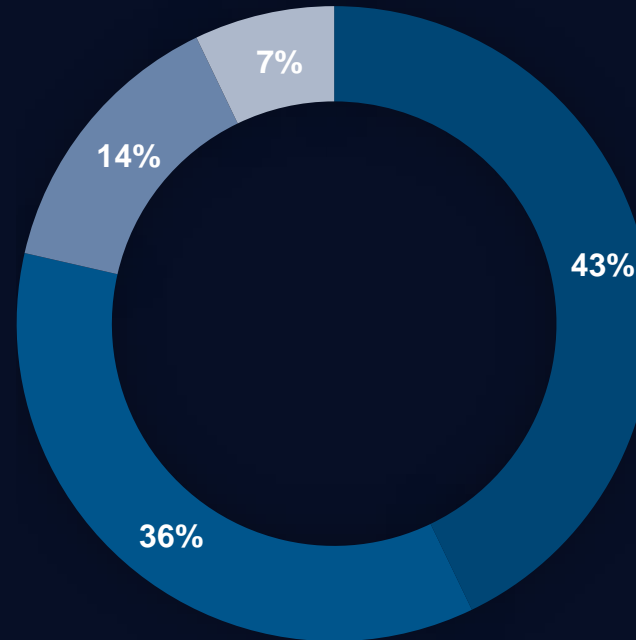
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Savings derived from the digital transformation of Justice. Measuring reduced working time, economic impact on society, or environmental sustainability.

### 2 Investment

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The investment made in the administration of justice, adding the General Budgets of the State and Autonomous Communities with transferred competences in Justice



### 1 Legal Proceedings

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The evolution of the resolution time of legal proceedings weighted them based on volume and social impact.

# Uses cases of boosting data in the Administration of Justice

## JUISE Experience – Study of thematic areas

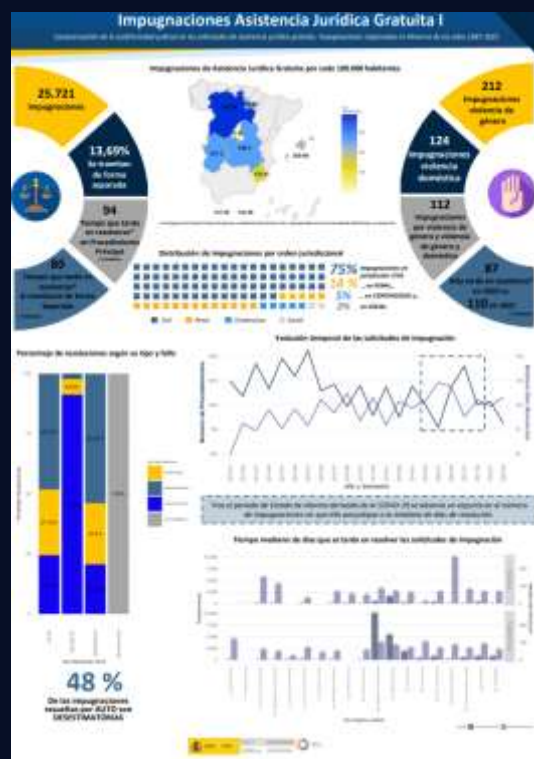
### Bankruptcy

Analysis of the evolution of insolvency proceedings prior to the entry into force of Law 16/2022, of 5 September



### Legal aid contestation

Analysis of the behaviour of the processing of this type of procedure in the different jurisdictions.



### Gender-based violence, Sex crimes, Human beings trafficking....

