

Increasing the efficiency in the systematization of sentences



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Team 96

Highlights



1. Reduces the systematization time of sentences
2. Increases the efficiency in the follow-up of restitution orders
3. It can be used as a quality control tool for previous systematized sentences
4. Impacts in the prompt reparation of the victims' rights

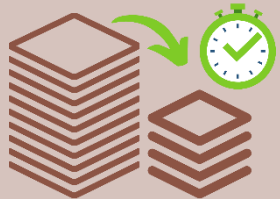
The entity



The Special Administrative Unit for the Restitution of Dispossessed Lands was created with the purpose of recognizing people as victims of forced displacement in order to help them regain their properties and restore their rights.

Problem and impact

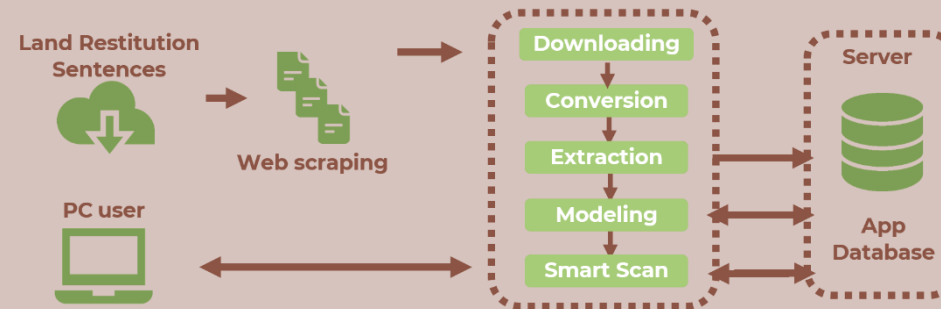
The Unit is in charge of systematizing the sentences and follow up on each order issued by the judge in a land restitution process. The systematization of a sentence can take from 4 to 6 hours. By 2020, the unit shows a delay in the follow-up of orders of around 900 sentences.



The impact generated by the proposed solution is measured in the reduction of the manual extraction time and the ease in analysis of the information from a sentence.

Our solution, **Ground truth**, reduces data extraction time from *hours* to *minutes*

Technical approach



The elements of our solution includes:

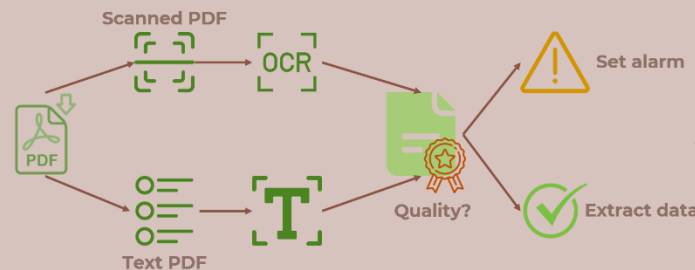
Input: PDF metadata from web scraping

Output: Dashboard with the Smart Scan interface

Back-end:

1. Downloading PDF
2. Converting PDF
3. Extracting information
4. Modeling

Quality conversion



An important feature of our solution is the quality labeling function to classify if the quality of the converted PDF is low or normal.

Smart Scan

Smart Scan interface easily retrieves the general information extracted from the sentence to facilitate the systematization.

1. Datos de Sentencia	3. Información de Restitución : Gestión de Predio
Radicado: 76001-31-21-002-2016-00319-00	Nombre del predio: EL CLUMINAL
Territorial Responsable: AYACUCHO (VALLE DEL CAUCA)VEREDALA BUITRERA	Departamento: VALLE DEL CAUCA
Fecha de expedición: Jun 29 2016	Código departamento: 76
Juzgado/tribunal:	Municipio: PALMIRA
Juez/magistrado:	Código Municipio: 76520
Tipo de sentencia: Individual	Corregimiento: Ayacucho
Área total (Posibles áreas encontradas):	Código corregimiento: Not Found
Tipología pérdida bien:	Zona: Rural (Probable)
Departamento/ciudad: CALLI (VALLE)	Inspección: ----
No. Folios: 26	Vereda: El Azerrillo
	Código vereda: Not Found
	Barrio: ----
	Cédula catastral: 176520000200050217000
	Matrícula inmobiliaria: 7653786947

App: <http://www.groundtruth.ml:8080/>