

Case: Colombia

The Role of the LADM in the transactional flow of Land Administration

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CONTEXT TRENDS

Current market demands have led to higher expectations in information management, especially for other phases of the business cycle: 4D, 5D, 6D.

THE PROBLEM

Standardize the data model solves the needing of institutions, but not necessarily the citizen requirements.

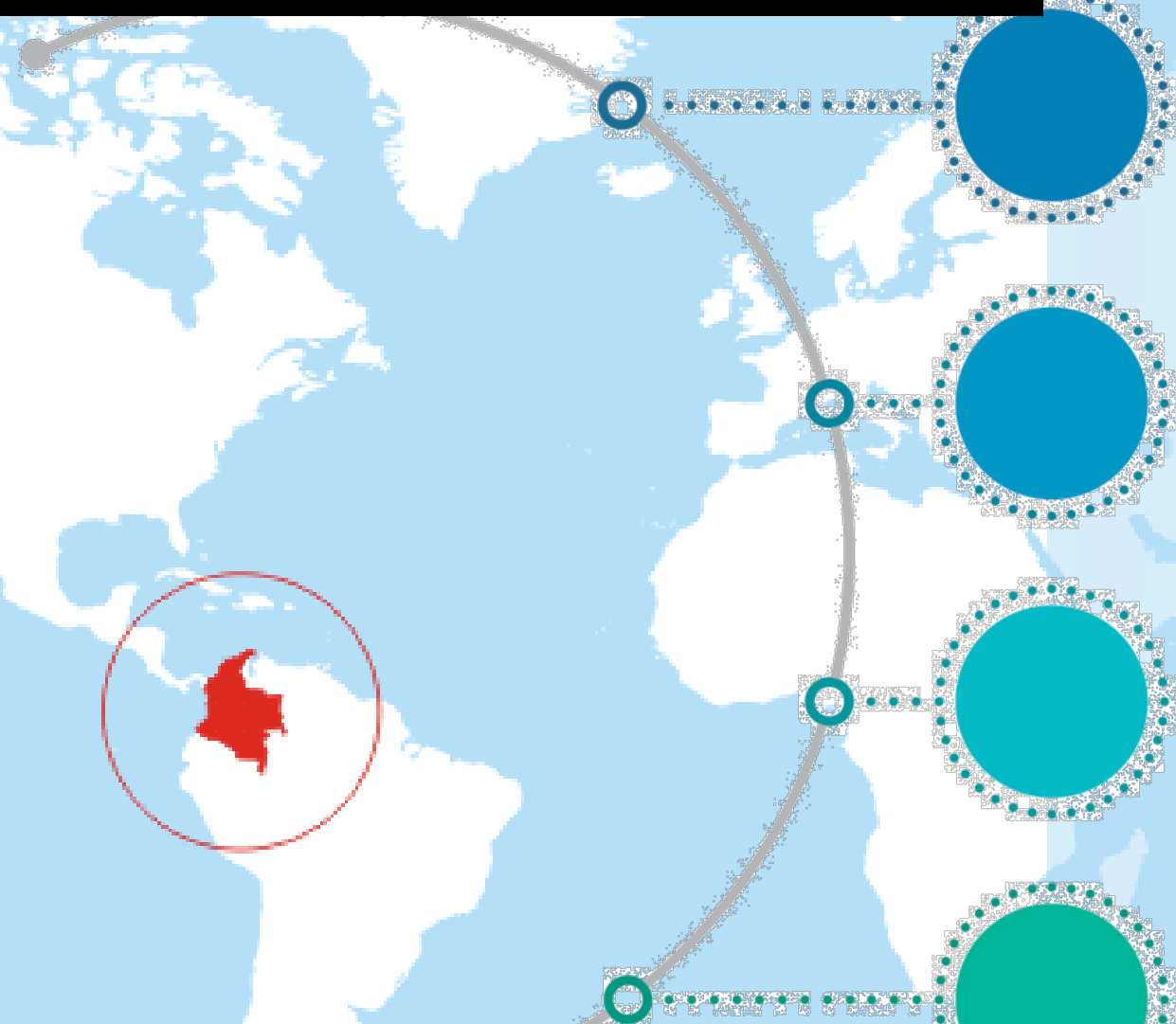


SOME SOLUTION

Case Colombia: Mechanisms for linking the LADM with the procedures.



Context: Colombia



VERY AMBITIOUS GOALS

for updating the Cadastre and land titling, due to the recent peace agreement of the conflict that lasted more than four decades.

CENTRALIZATION

of cadastral actions in a single state entity, with limitations to cover the demand.

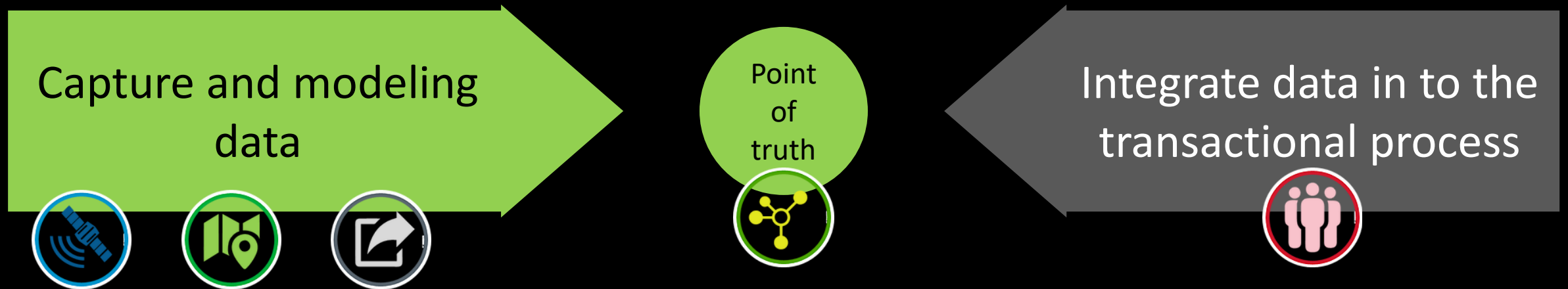
DELAYED TRANSACTIONS TIME

The citizen may go across many stake holders in sequential times, not connected systems, duplicating requirements.

MULTIPLE INSTITUTIONAL ACTIONS

regarding property, data collection, updating, titling, conflict resolution, tax burdens and rights registration, without effective coordination.

1. MANAGING THE INFORMATION IS NO LONGER ENOUGH



LADM is perfect to model the information – but the reality is not perfect

The negative impact of the intermediaries (**Procedures**) in the registry transaction chain is an indicator for competitiveness and investment for a country.

Doing Business Ranking

Procedures + Cost + Time + Quality

100

69.24: Colombia (Rank: 65)

68.83: Peru (Rank: 68)

60.01: Brazil (Rank: 109)

58.97: Regional Average (Latin America & Carib)

58.80: Argentina (Rank: 119)

57.94: Ecuador (Rank: 123)

84.22: Hong Kong SAR, China (Rank: 4)

84.14: Korea, Rep. (Rank: 5)

80.60: Malaysia (Rank: 15)

75.65: Japan (Rank: 39)

73.64: China (Rank: 46)

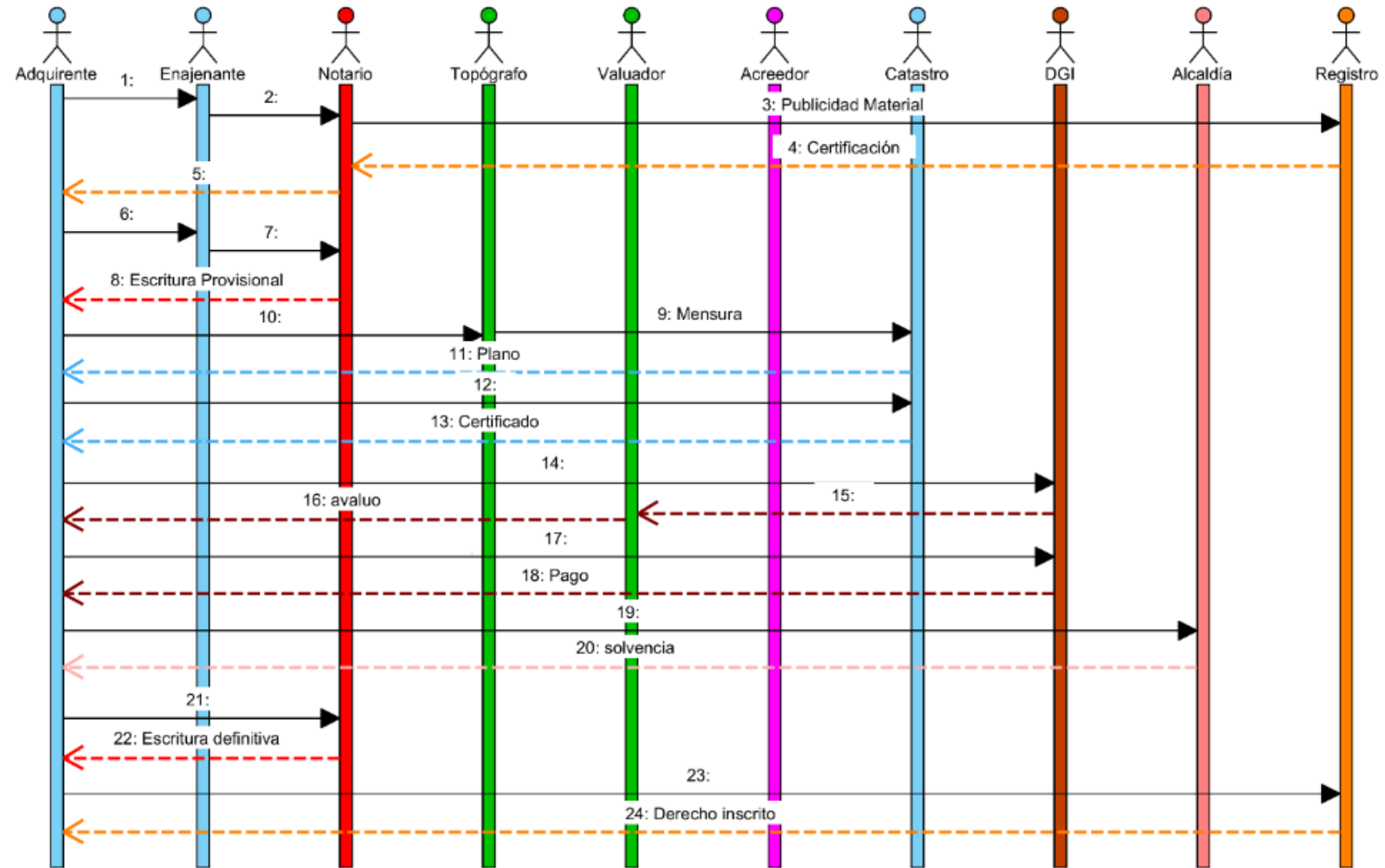
63.41: Regional Average (East Asia & Pacific)

69.24 score
7 Iterations

80.6 Score
6 Iterations

The Doing Business is the better case

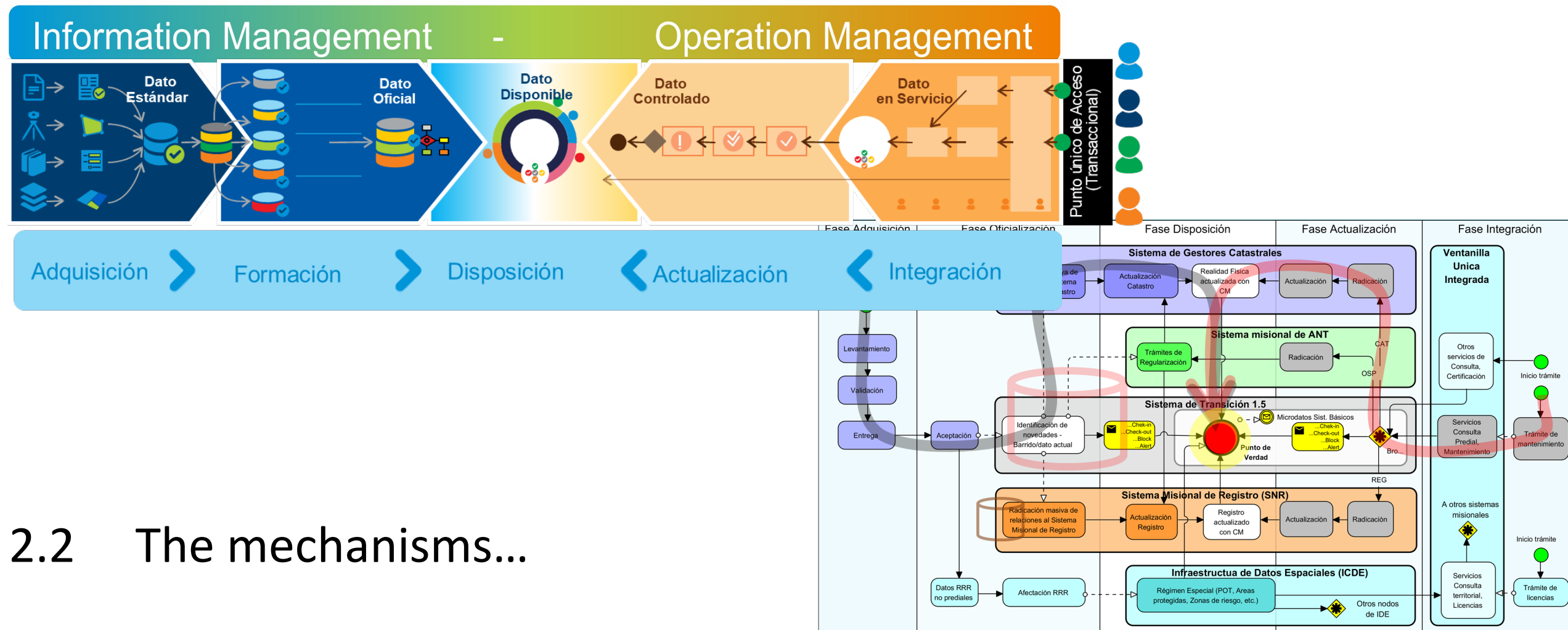
The document refers a real case: Nicaragua 2016



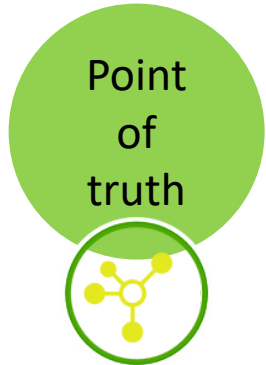
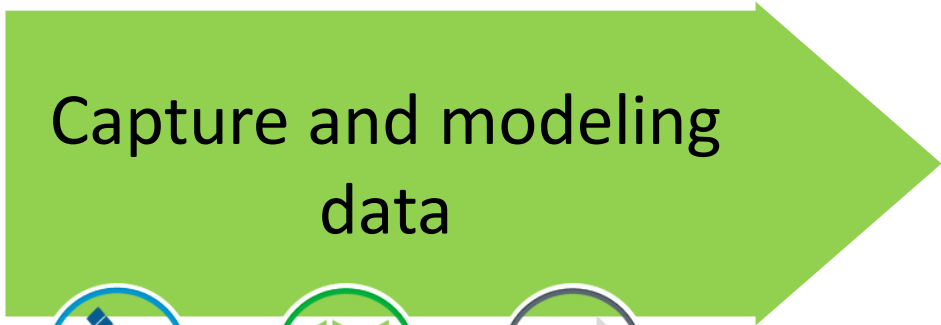
+105 Days
+12
interactions

2. THE INTEGRATION OF TRANSACTION IN THE COLOMBIA LAND ADMINISTRATION MODEL

2.1 The Joint Vision of Land Administration



2.2 The mechanisms...



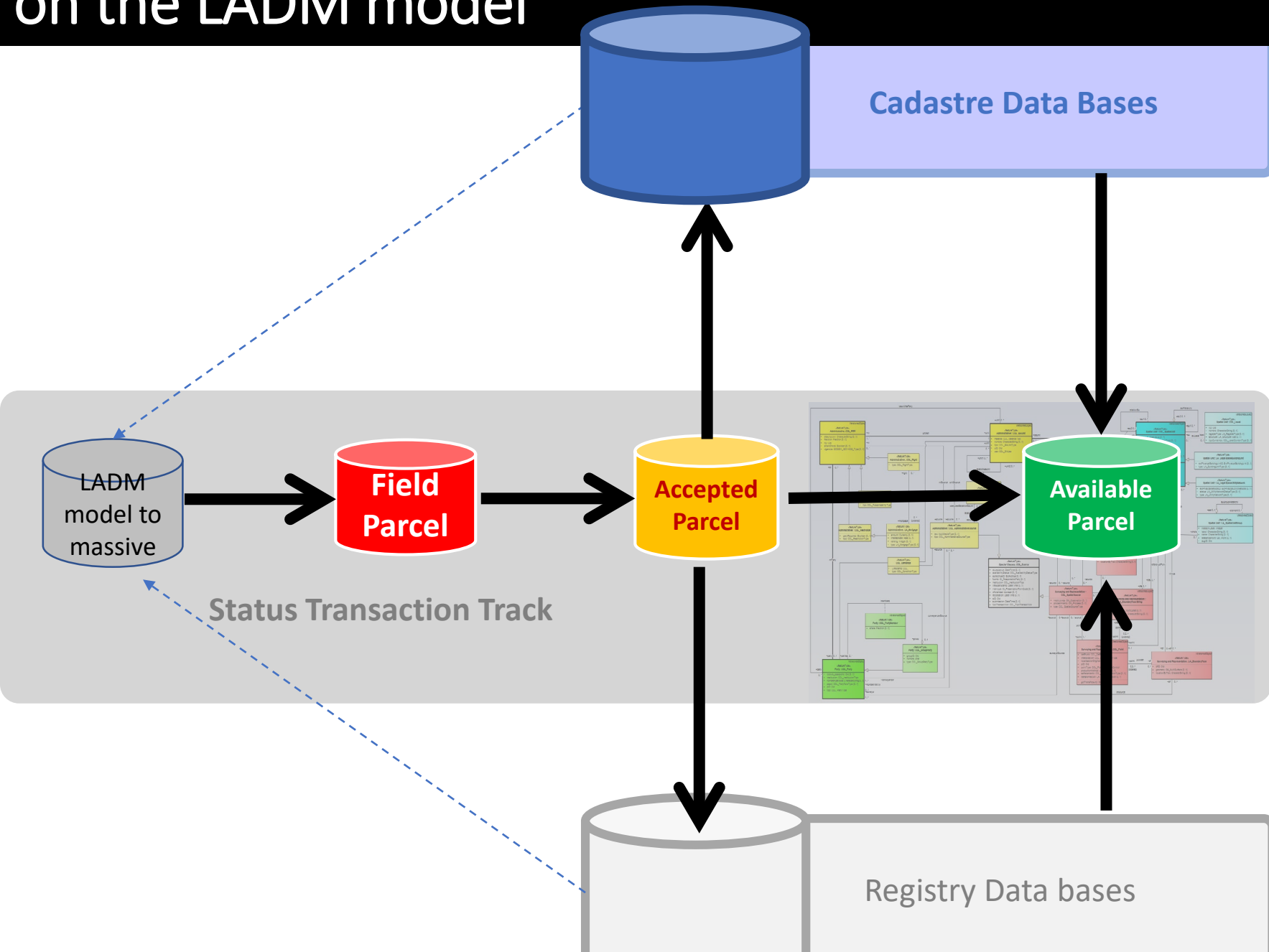
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Confédération suisse
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Confederaziun svizra

Agencia de Implementación
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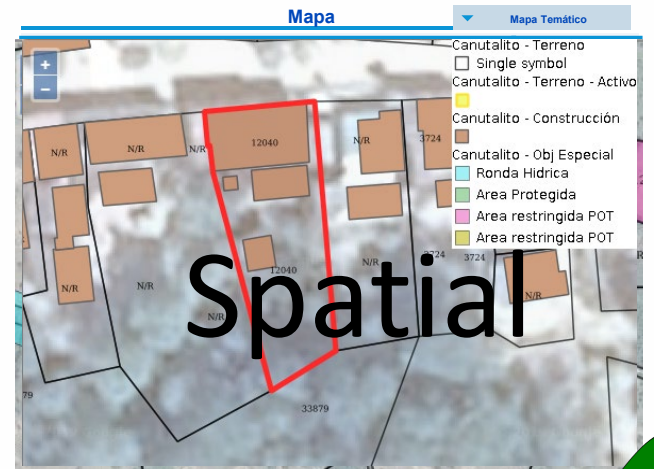


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Modernización de la
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Information Management: The point of true based on the LADM model



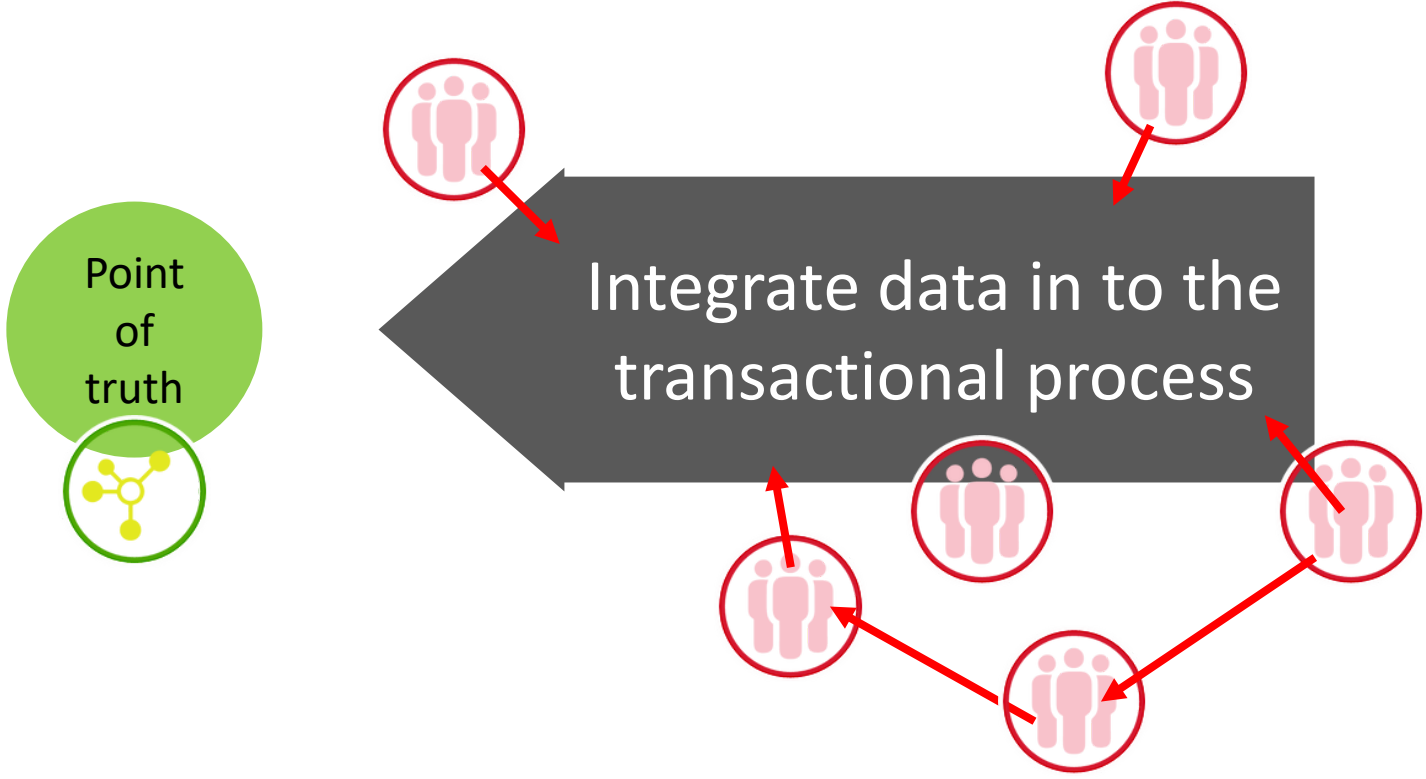
Verdad Jurídica	Verdad Física	Partes Interesadas	Verdad Administrativa
Point of True			
Delegación Catastral			
Ubicación de l Predio			
Ubicación			
Dirección del Predio	C 2 2B 43		
Número Catastral	70508030000000008000700000000		
Área Calculada (mts2)	471.10		
Tipo de Predio	PRIVADO		
Estado	ACTIVO		
Otros datos	SISBEN		
Este prediene solicitudes de conservación no finalizadas			



Radicalización	Fecha Solicit	Estado	Tipo Solicitud	Modifica Clave	Modifica Estado
65871	28/05/2019	RADICADO	COMPRAVENTA TOTAL		

ID	Nombre Completo	Tipo Derecho	% Derecho	Estado de Derecho	Tipo de Documento	Estado	Certificado Catastral	Avalúo
1	GARCIA PEREZ, RAMON ORLANDO	DOMINIO PLENO	100	16/02/2006	ESCRITURA	INACTIVO		
8	MORA ANDRADE, ALEJANDRADE	DOMINIO PLENO	50	02/09/2008	ESCRITURA	ACTIVO		
8	GARCIA PEREZ, MORA ANDRADE	DOMINIO PLENO	50	02/09/2008	ESCRITURA	ACTIVO		
8	MARTIN ERNESTO, GONZALES GOMEZ	OCCUPACION	-	-	SIN DOCUMENTO	ACTIVO		

Codigo	Objeto que afecta	Area Afectada	%	Fecha Constitución	Fecha Expiración	Estado	Detalle Afectación
4157	CENTRO HISTORICO/OVEJAS	1,301.47	100	16/02/2006	-	ACTIVO	



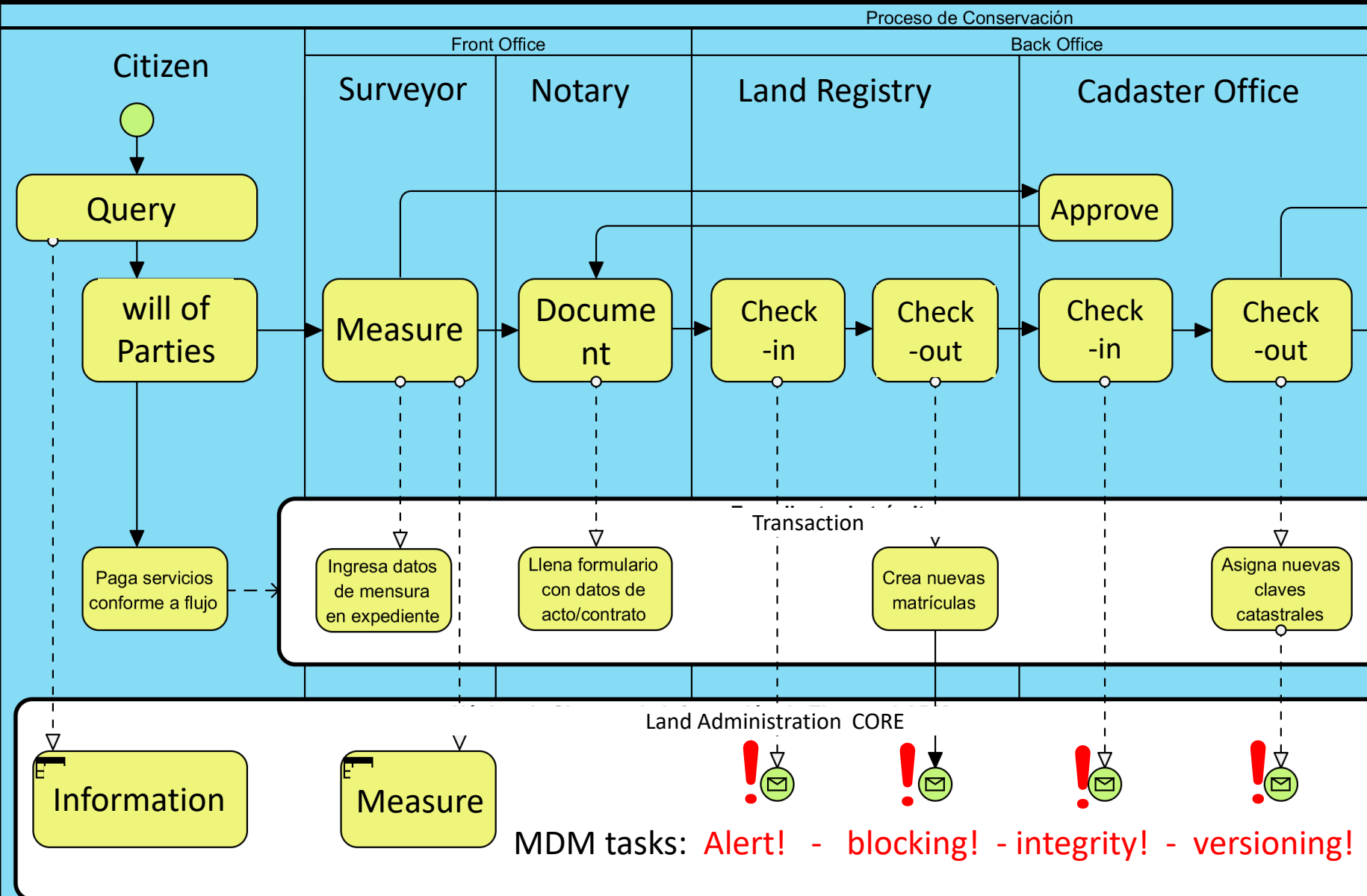
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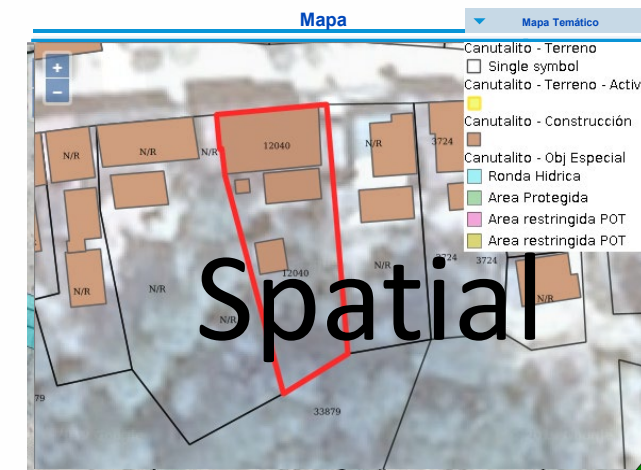
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INGENIERIA CIVIL Y GEODESIA S.A.S.

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Operation Management: Modeling and in process alerts standardization.



Verdad Jurídica	Verdad Física	Partes Interesadas	Verdad Administrativa
Point of Truth			
Delegación Catastral			
Ubicación de l Predio			
Ubicación			
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BA_Unit			
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CONCLUSIONS

- 1. The adoption of the LADM standard in public policy instruments facilitates decision-making at the intermediate levels of the institutions.** Thanks to this, the transitory processes have allowed the continuity and breadth of the LADM design according to the reality of the country in Colombia, instead of abandoning government efforts to apply changes.
- 2. There is an evident need to make visible the central role of the citizen in the modernization processes of Land Administration.** The success of this transformation will depend on the consideration of time, steps and requirements on the transformation of the transaction processes. This implies considering the transaction as an element to standardize.
- 3. It is feasible to use the LADM as an element of traceability of Land Administration transactions.** Beyond the historical control of the versioning contained in the Source, the states of Check-in and Check-out are very useful for the real-time control of what happens to the properties.
- 4. The processes of modernization of Land Administration, needs to be seen from the perspective of the data maintenance, rather than standardize information management,** as it will allow the inclusion of indicators that will focus on time, cost, traceability and transparency of the operations. Including these elements in the design stages of processes, tools and policies will undoubtedly lead to simplification as an obligatory step



THANK YOU



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