

# **The Chilean experience implementing the Integrated Geospatial Information Framework (IGIF)**

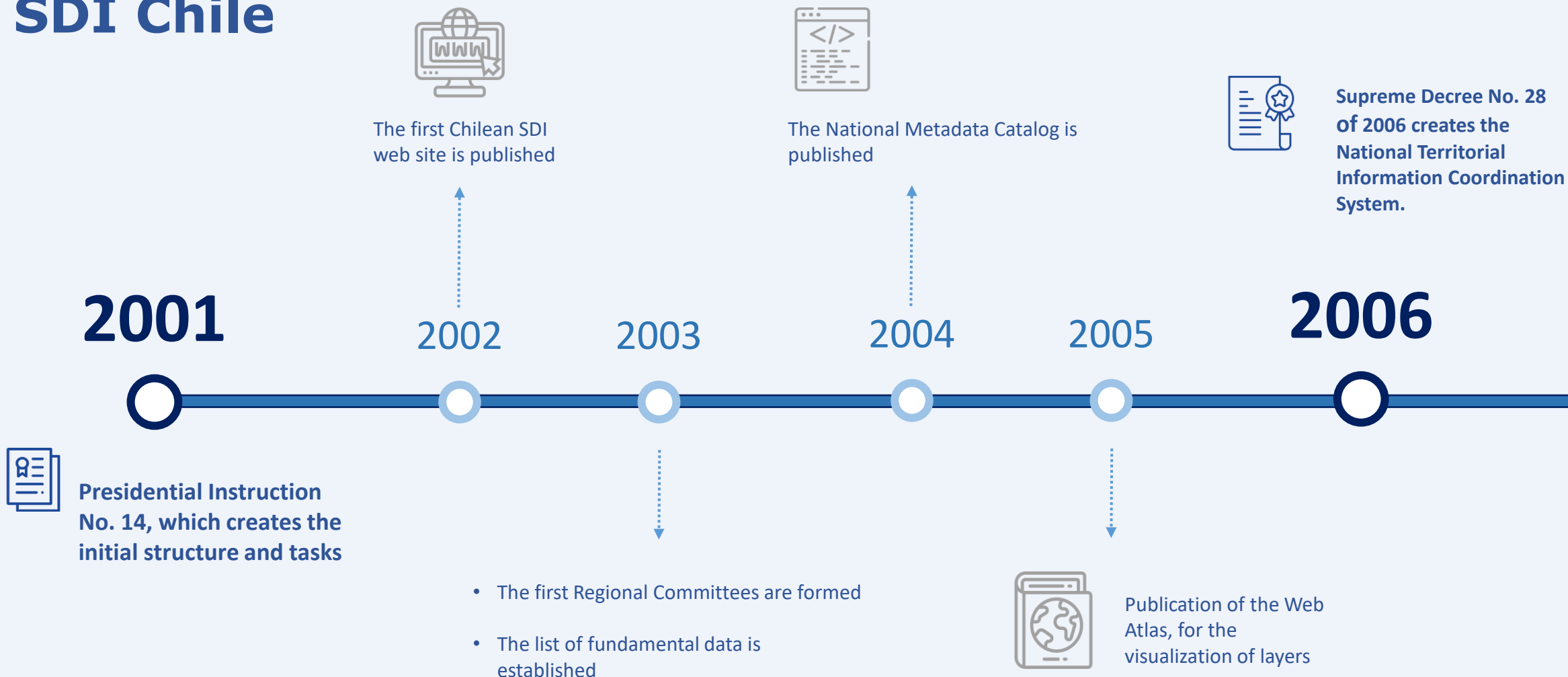
Ministry of National Assets – SDI Chile



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# Historical Overview SDI Chile

# SDI Chile



# SDI Chile

First training courses begin in the country

2007



Launching of the National Community of Territorial Information

2008



First International Seminar of SDI Chile

2009



The country's professionals are trained in the use of Chile's Geoportal.

2010



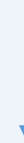
First Chilean ISO Standards for digital geographic information delivered to the country

2012



An E-learning platform is published to further expand geographic knowledge

2013



# SDI Chile

Chile participates for the first time in the ISO/TC211 Committee, for the development of digital geographic information standards

2014



Chile SDI data access and download center created

2016

Substantial increase in territorial information available for citizen access.

2017



10 Working Groups for the Management and Standardization of Territorial Information are created.

2018



SDI Chile's download center surpasses 1,000 downloadable layers

2019



New version of Chile's Geoportal created

2020

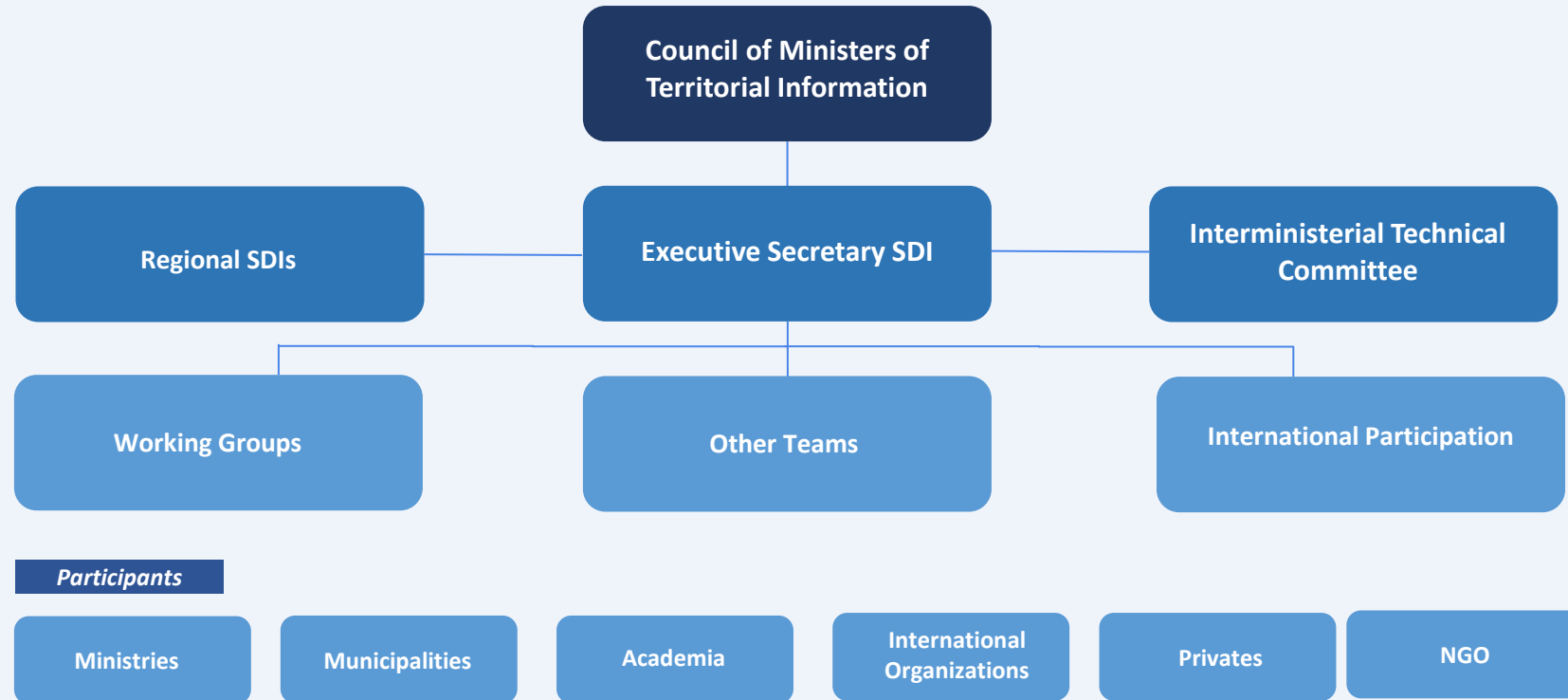


Due to the COVID-19 pandemic, the First SDI Chile Information and Standards Workshop is being held in online mode, the event stands out for the large number of connected users.

2021



# SDI Chile Structure



# SDI Chile today



Data standardization



Geospatial data catalog



Geographic web  
services



Layers download



Interactive maps



Dashboards



# Priority axes according to IGIF strategic pathways

**Governance  
and  
Institutions**



Strengthen  
coordination  
spaces

**Policy and  
Legal**



Legal and  
policy  
facets

**Financial**



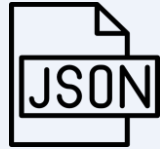
Communication on the  
use and importance of  
geospatial information





# Priority axes according to IGIF strategic pathways

Data



Strategic data and  
publication  
formats

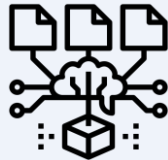


Data accessible  
from the cloud



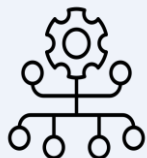
Data mining and  
analysis

Innovation



Predictive / Deductive  
Analytics Models

Standards



System and data  
interoperability



# Priority axes according to IGIF strategic pathways

Partnerships



Citizen participation



Participation of the Academia



Coordination and strengthening of alliances

Capacity and Education



Strengthening of skills and capabilities

Communication and Engagement



Robust communication plan



**Why Chile decides to implement the IGIF?**

# IGIF

The **Integrated Geospatial Information Framework (IGIF)** provides a basis and guidance for developing, integrating, strengthening and maximizing geospatial information management in countries.



Geospatial information leadership in the country



Existence of various national spaces for its implementation and dissemination



Opportunity to strengthen data governance at national level



**What are we doing?**

# SDG Data Alliance participation

**SDG Data Alliance** provides detailed guidance for integrating geospatial information with other meaningful data to solve societal problems.

Overcoming poverty, inequality, climate crisis, and advancing in building a just, peaceful, and inclusive society in harmony with nature, to mention a few examples, are the objectives of actively participating in the SDG Data Alliance.



# SDG Data Alliance participation

As a country, we participate in this instance, and as a final objective, we will have an action plan at the country level.

We identified stakeholders, assessed the current and desired situation and conducted a survey to understand our gaps.



**Final Objective: Action Plan**



# **Challenges in the implementation of IGIF**



# Chile SDI Survey

- A Survey was **applied 5 years ago** in public institutions and regional governments.
- The objective is to measure the level of **SDI implementation**.
- This year, a new survey has been developed to address these questions linked to **IGIF strategic pathways**.
- This will allow us to have a **diagnosis**, know the **gap** and focus our **management with the institutions**.



Chile SDI Survey



Integrated Geospatial Information Framework (IGIF)



# National Geospatial Information Policy



**NATIONAL GEOSPATIAL INFORMATION**  
POLICY

- A National Policy is required to have a **frame of reference that defines the guidelines and orientations** of the State's work in geospatial information.



**ACTION PLAN**  
NATIONAL GEOSPATIAL INFORMATION  
POLICY

- The development of an Action Plan is required **to implement the national strategy** to comply with the guidelines of the National Policy.



# National Geospatial Information Policy

## WHY A NATIONAL GEOSPATIAL INFORMATION POLICY?



**Strengthening of the Institutional**ity for the management of Geospatial Information in the State.



**Consolidate a geospatial data governance** framework to establish specific governance responsibilities.



**Establish minimum principles for the interoperability** of geospatial data and systems.



**Establish a minimum framework of data** the State must generate, make available and maintain, to face global and national challenges as a country.

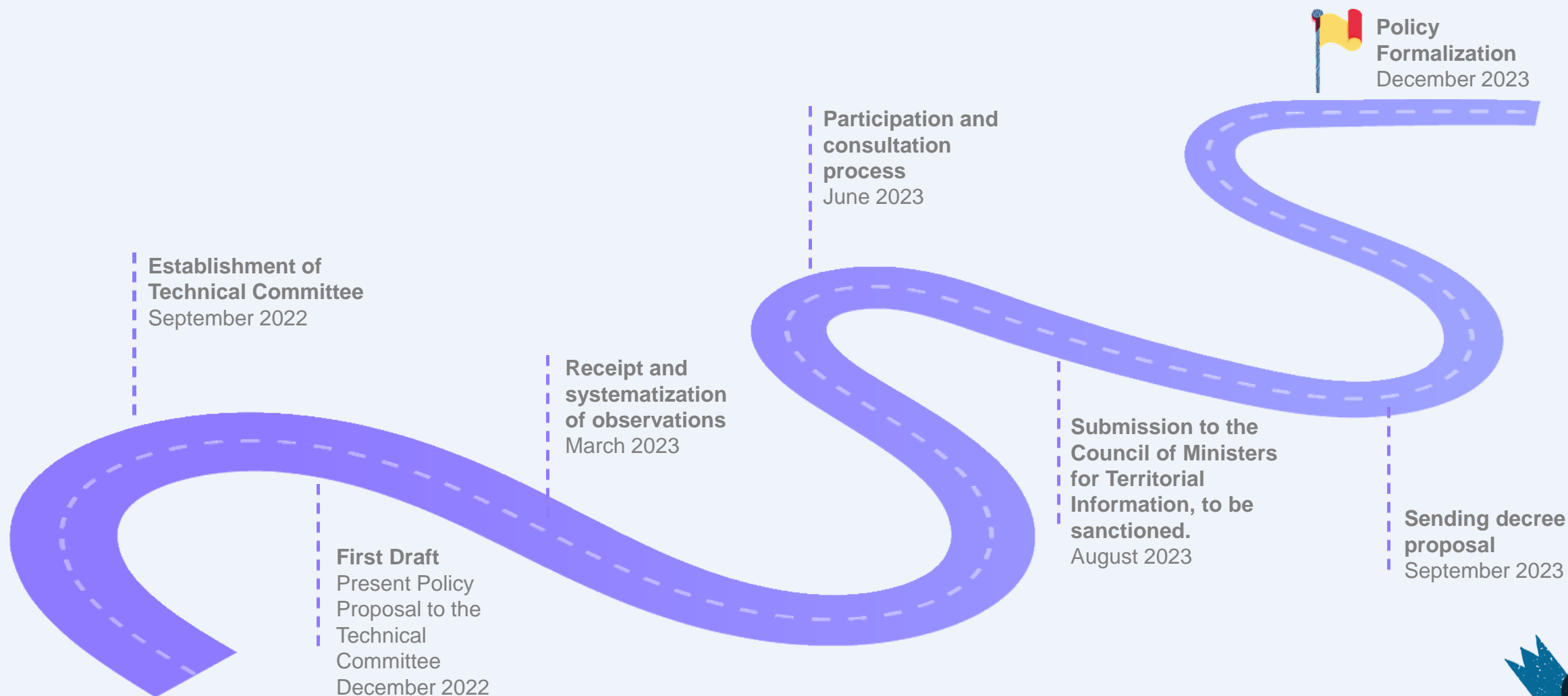


# Contents of the National Policy

1. **Executive Summary:** Abbreviated statement of the document.
2. **Policy Fundamental:** The need for this policy, the problems that need to be solved, and the legal and technical elements that support its development.
3. **Context:** Global and national circumstances in which the development of the Policy is framed.
4. **Principles:** Elements that promote the development of this Policy.
5. **Strategic Axes, Objectives and Guidelines:** The policies guiding axes, the objectives to be achieved in each of them and the guidelines to be included in the action plan that will enable it to be implemented.
6. **Policy Governance:** Institutional arrangements that will condition the way in which the Policy will be implemented.
7. **Glossary and Acronyms:** Definition and standardization of concepts and acronyms.



# Work Plan for the development of the National Policy



# Summary...

1



Planning

2



Assesing and  
Analizing

3



Designing and  
developing



Final Objective: Action Plan



**Thank you!**

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**Gobierno  
de Chile**

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