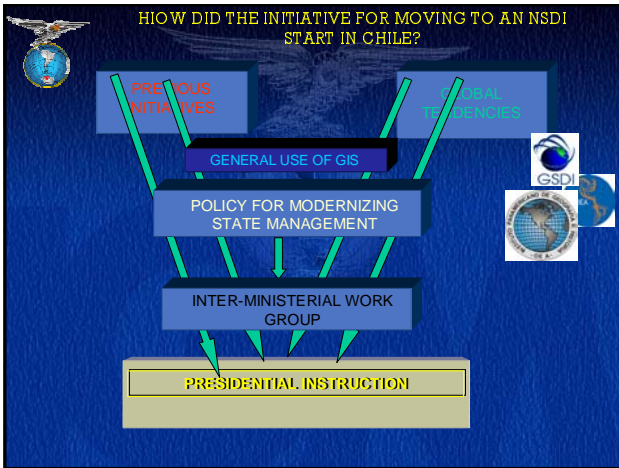


**TECHNICAL UNIT:
A STRUCTURE FOR WORKING
ON THE METADATA CATALOGUE IN CHILE
AND THE TECHNICAL ASPECTS OF AN NSDI.**

MARÍA-LORETO ADVIS N.
MILITARY GEOGRAPHIC INSTITUTE OF CHILE

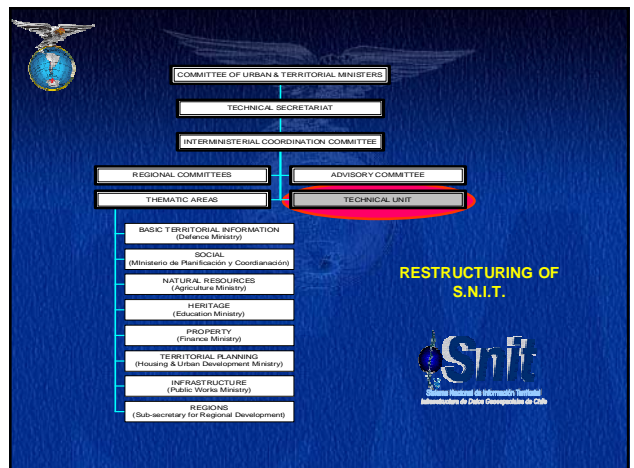


HOW DID THE NSDI INITIATIVE START IN CHILE?

**PRESIDENTIAL INSTRUCTION Nº 14 OF
21ST SEPTEMBER, 2001**

CREATES

Snit
Sistema Nacional de Información Territorial
Infraestructura de Datos Geospaciales de Chile



TECHNICAL UNIT OF THE NATIONAL TERRITORIAL INFORMATION SYSTEM

CREATORS OF BASIC TERRITORIAL INFORMATION

- Military Geographic Institute
- Aero-Photogrammetric Service of the Air Force
- Hydrographic and Oceanographic Service of the Navy
- Natural Resources Information Center
- National Assets & Resources Ministry (coordinator)

TECHNICAL UNIT OF THE NATIONAL TERRITORIAL INFORMATION SYSTEM

THE FIRST TASK FOR THE TECHNICAL UNIT, WAS:

"METADATA CATALOGUE OF TERRITORIAL INFORMATION EXISTING IN CHILE"

TECHNICAL UNIT OF THE NATIONAL TERRITORIAL INFORMATION SYSTEM

"MATADATA CATALOGUE OF TERRITORIAL INFORMATION EXISTING IN CHILE"

YEAR 1

DESIGN
TRIALS

YEAR 2

IMPLEMENTATION
TRAINING

YEAR 3

SET UP
DATA COMPLETION

TECHNICAL UNIT OF THE NATIONAL TERRITORIAL INFORMATION SYSTEM

"MATADATA CATALOGUE OF TERRITORIAL INFORMATION EXISTING IN CHILE"

YEAR 1

DESIGN
TRIALS

- STAGE 1 : GATHERING AND STUDY OF INTERNATIONAL AND NATIONAL PRACTICE
- STAGE 2 : DEFINITION OF LOGICAL MODEL, METADATA, CATALOGUE AND PAGE DESIGN
- STAGE 3 : TRIAL PROJECT

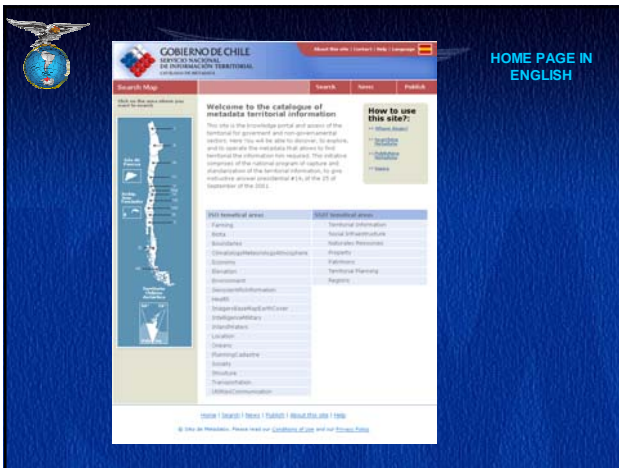
"METADATA CATALOGUE OF TERRITORIAL INFORMATION EXISTING IN CHILE"

STAGE 1 : GATHERING AND STUDY OF INTERNATIONAL AND NATIONAL PRACTICE

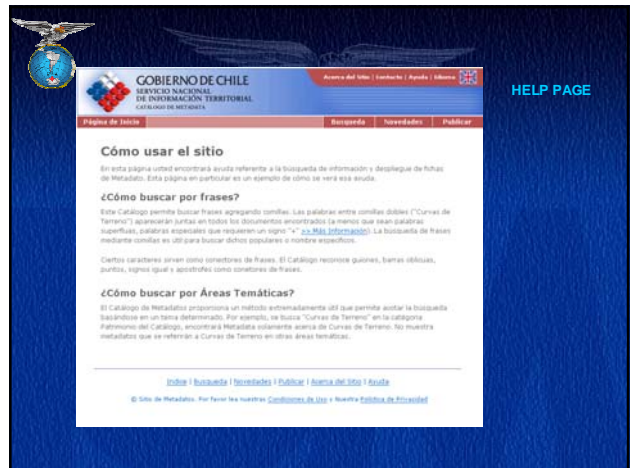
"METADATA CATALOGUE OF TERRITORIAL INFORMATION EXISTING IN CHILE"

STAGE 2 : DEFINITION OF LOGICAL MODEL, METADATA, CATALOGUE AND WEB PAGE DESIGN

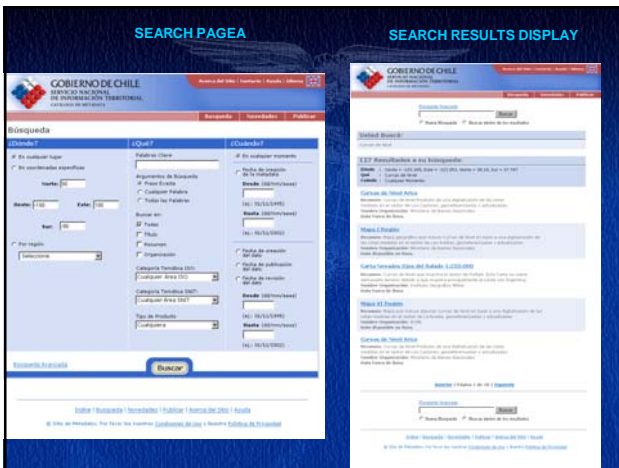
- THE ISO TC-211 STANDARD FOR METADATA, STANDARD 19115, WAS DETERMINED AS THE BASIS FOR APPLICATION IN CHILE
- THIS STAGE LED TO :
 - LOGICAL MODEL FOR THE CATALOGUE
 - DESIGN OF THE METADATA RECORD
 - DESIGN OF CATALOGUE PAGES



HOME PAGE IN ENGLISH

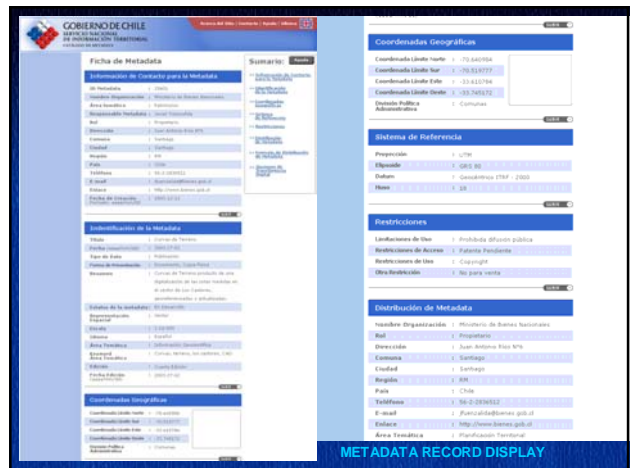


HELP PAGE

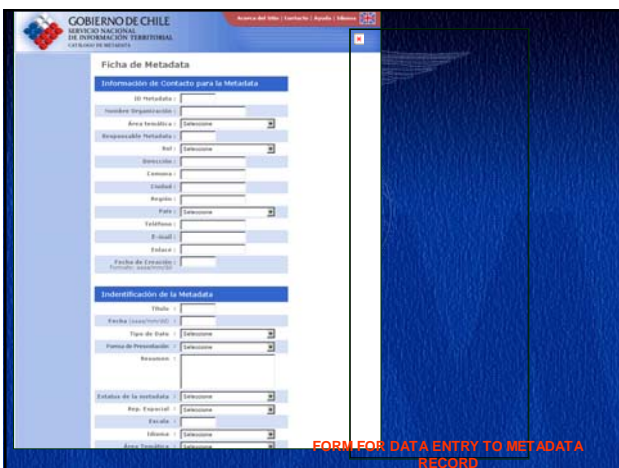


SEARCH PAGE

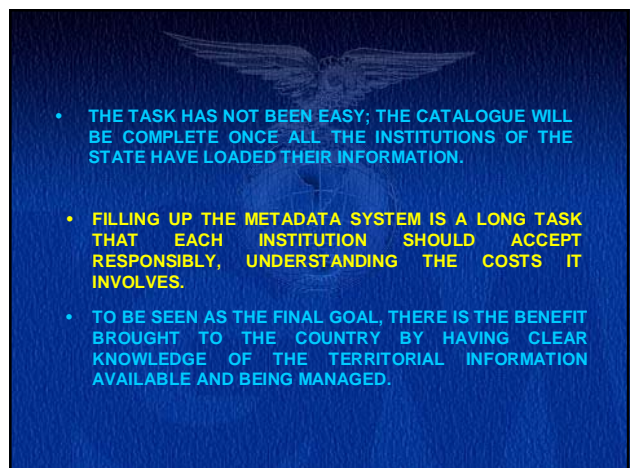
SEARCH RESULTS DISPLAY




METADATA RECORD DISPLAY



FORM FOR DATA ENTRY TO METADATA RECORD




- THE TASK HAS NOT BEEN EASY; THE CATALOGUE WILL BE COMPLETE ONCE ALL THE INSTITUTIONS OF THE STATE HAVE LOADED THEIR INFORMATION.
- FILLING UP THE METADATA SYSTEM IS A LONG TASK THAT EACH INSTITUTION SHOULD ACCEPT RESPONSIBLY, UNDERSTANDING THE COSTS IT INVOLVES.
- TO BE SEEN AS THE FINAL GOAL, THERE IS THE BENEFIT BROUGHT TO THE COUNTRY BY HAVING CLEAR KNOWLEDGE OF THE TERRITORIAL INFORMATION AVAILABLE AND BEING MANAGED.



THE CHILEAN EXPERIENCE SAYS THAT :

- IT IS POSSIBLE TO WORK TOWARDS AND ACHIEVE METADATA CATALOGUES WITH MODEST RESOURCES AND THE GOODWILL OF THE STATE ORGANISATIONS INVOLVED
- SETTING UP A PURELY TECHNICAL UNIT CLEARLY HELPS PROGRESS IN ASPECTS SUCH AS METADATA CATALOGUES, STUDIES OF STANDARDS AND OTHER TECHNICAL ISSUES RELATED TO THE DEVELOPMENT OF AN NSDI
- WHILST IN THIS CASE THE TECHNICAL UNIT WAS ENABLED BY THE FINANCIAL EFFORT OF THE INSTITUTIONS THAT PARTICIPATED IN IT, THE STATE SHOULD PROVIDE A PERMANENT FINANCIAL SUPPORT FOR THESE ADVANCES.



GEOSPATIAL DATA INFRASTRUCTURES ARE A NATIONAL NECESSITY; EACH STEP TAKEN IS IMPORTANT AND MEANS ONE CHALLENGE LESS TO BE FACED, ALSO THAT IT HAS BEEN OVERCOME SUCCESSFULLY.

THE NATIONAL TERRITORIAL INFORMATION SYSTEM OF CHILE HAS, THROUGH ITS TECHNICAL UNIT, MET THE CHALLENGE OF IMPLEMENTING THE METADATA CATALOGUE OF THE TERRITORIAL INFORMATION IN THE COUNTRY.

THANK YOU

MARÍA-LORETO ADVIS N.
MILITARY GEOGRAPHIC INSTITUTE OF CHILE
mladvis@igm.cl