



Natural Resources  
Canada

Ressources naturelles  
Canada

Minerals and  
Metals Sector

Secteur des minéraux  
et des métaux

# NRCan Inactive Mines Database

# NRCan Inactive Mines Projects

Projects performed 1992-1997

- separate partnership agreements with Ontario (MNDM) and Nova Scotia (Department of Natural Resources), developed NRCan Inactive Mines Database
- In Ontario, modeled 100 highest priority sites identified by Province
- In Nova Scotia, modeled 64 mines (mostly coal)

# NODA Inactive Mines Project

- project funded by NRCan, Ontario MNDM and industry
- nearly 100 mines modeled in detail
- high level of cooperation between MNDM and CANMET

# NODA Inactive Mines Project

Purpose was to:

- develop computer techniques and software to establish and manage a comprehensive inactive mines database
- enter into the database, site information based on priorities of Provincial and industry partners

Incorporated site information from Ontario's AMHAZ database

# NRCan Inactive Mines Database

## Design Features:

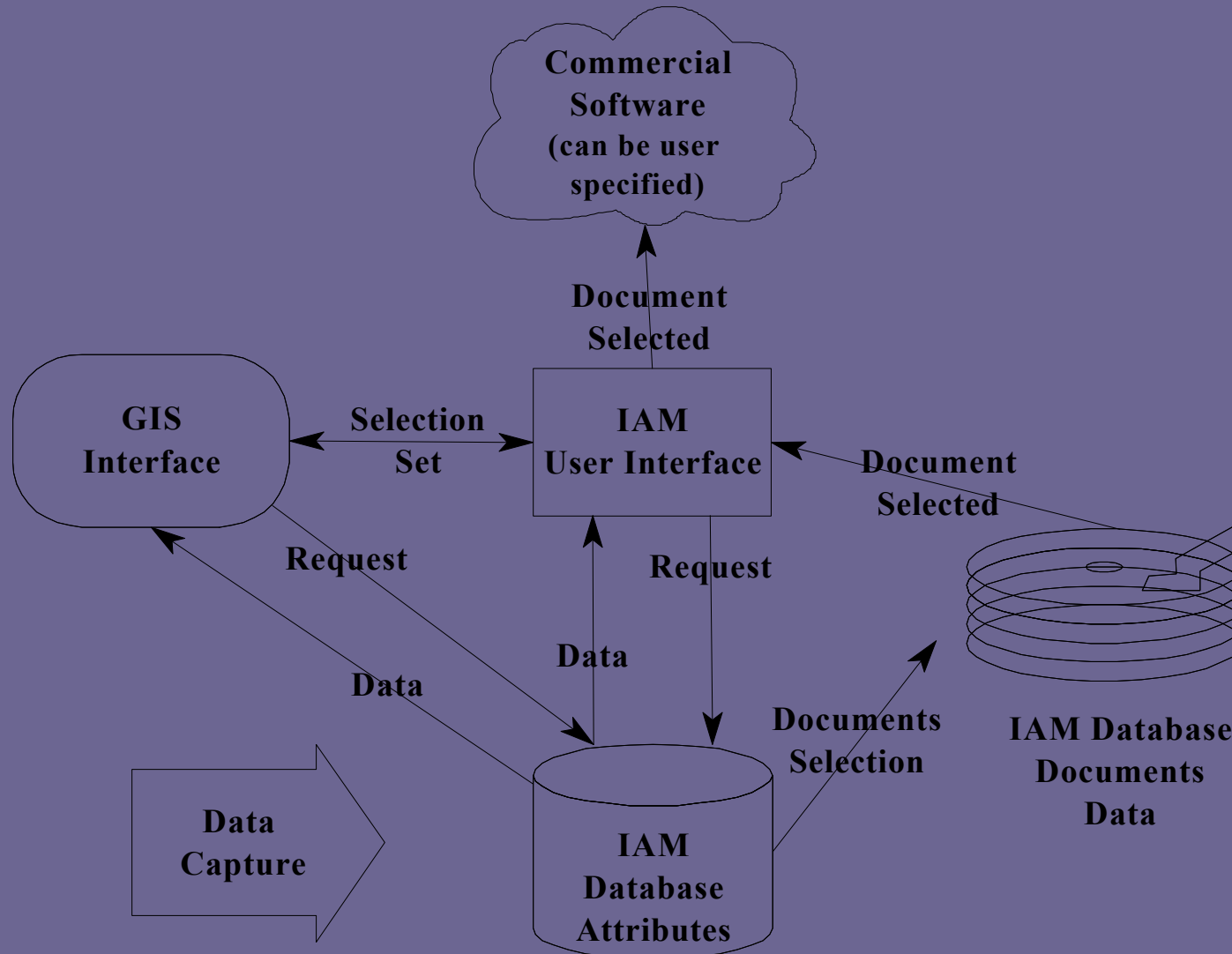
- ✓ user friendly
- ✓ uses data from existing sources wherever possible
- ✓ provides compatibility with popular commercial software (AutoCAD™, Corel WordPerfect, Microsoft Word, ArcView, etc)

# NRCan Inactive Mines Database

## Design Features:

- ✓ easy and timely access to data (Internet, modem, hardcopy)
- ✓ provides for updates, additions, and operations with data
- ✓ security of information

# NRCan Inactive Mines Database



# NRCan Inactive Mines Database

Types of information included:

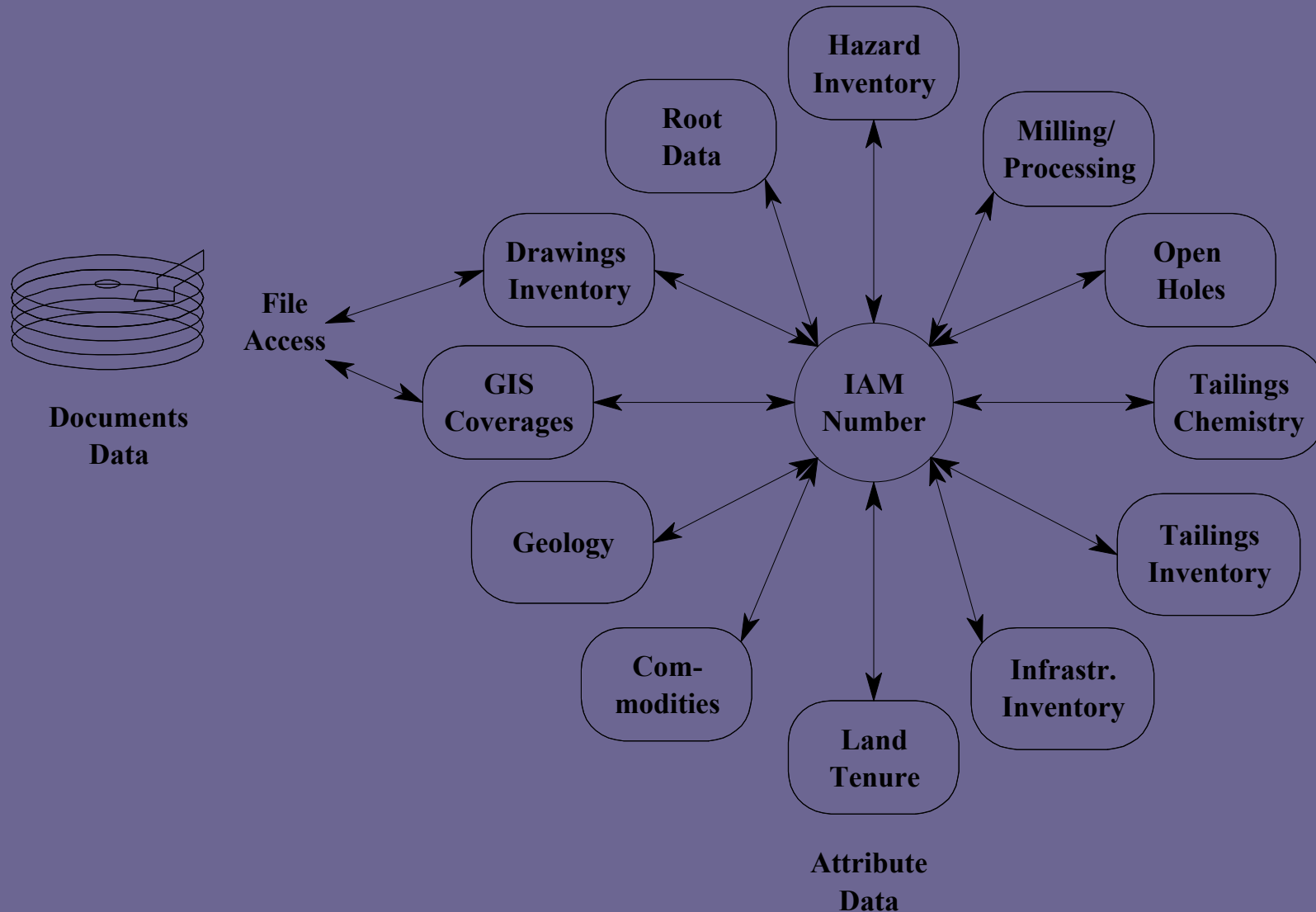
- tombstone and known hazard data (from Provincial authorities)
- physical representation of mine (underground workings, surface structures, tailings areas), related to Base Maps and survey plans
- where warranted, 3D models of physical features

# NRCan Inactive Mines Database

Types of information included:

- inventory of properties of mine wastes
- air-photos
- technical and scientific reports
- other important documents

# NRCan Inactive Mines database



# NRCan Inactive Mines Database

## Current status:

- basic database is maintained
- Ontario data routinely provided to Ontario Government officials (Resident Geologists)
- Ontario data provided (on authorization of MNDM) to private interests (ie. copies of Kam Kotia file to 23 firms responding to RFP for remediation of site)

# NRCan Inactive Mines Database

## Current status:

- Project Leader position established, supporting expertise as needed (drafting, modeling)
- Special studies performed as needed (current - A Canadian Standard for Shallow Stope Decommissioning)

# NRCan Inactive Mines Database

## Future capabilities:

- facilitate communications between jurisdictions, work towards common standards, information center re “best practices”
- special studies at problem sites - ground control issues, environmental issues
- maintain a distributed database



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Thank You - Merci