



FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam



"Geospatial Information for a Smarter Life
and Environmental Resilience"



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Vietnam National Land Information System in e-Government Architecture

Phong, Dinh Hong
General Department of Land administration
MONRE

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eGovernment of Vietnam

- Government Resolution No 36a/2015 on e-Government
- Vietnam stands at the average level (*by E-Government Survey 2018 UN*)
- Decision 714/2015: National database should prioritize development to create the foundation for e-government development: citizen's NDB; **National Land DB**; business registration's NDB; General statistics on population's NDB; Finance's NDB; Insurance's NDB.
- Vietnam's e-Government Architecture Framework 1.0 (ver 2.0 - 2019)
- MORNE's e-government architecture Framework 1.0 (ver 2.0 - 2019)

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VIETNAM e-GOVERNMENT

MISITRIES, LOCAL e-GOVERNMENT

Local Databases

National Databases

Other National Databases

MONRE e-GOVERNMENT

Others: Survey & mapping, Remote Sensing,
Environment, Hydrology,
Mineral...

GDLA

National Land Database

Vietnam's National Spatial Infrastructure

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Current status of Land Information System in Vietnam

- Cadastral map overlay 77% area of Vietnam; First Land Title Certificate 97,2% (area to management)
- Standardize the content of land database structure (Circular 75/2015 / BTNMT)
- Provinces have applied the IT in land management; six LIS software allowed to implement: ViLIS, eLIS, TMVLIS, SouthLIS, DongnaiLIS, VietLIS
- Status of land database:
 - Four provinces has cadastral DB: 31/713 (districts);
 - Cadastral DB: 156/713 (districts) for others.
 - 366 districts has none Cadastral DB;
 - Database not include land use, land planning, land prices data

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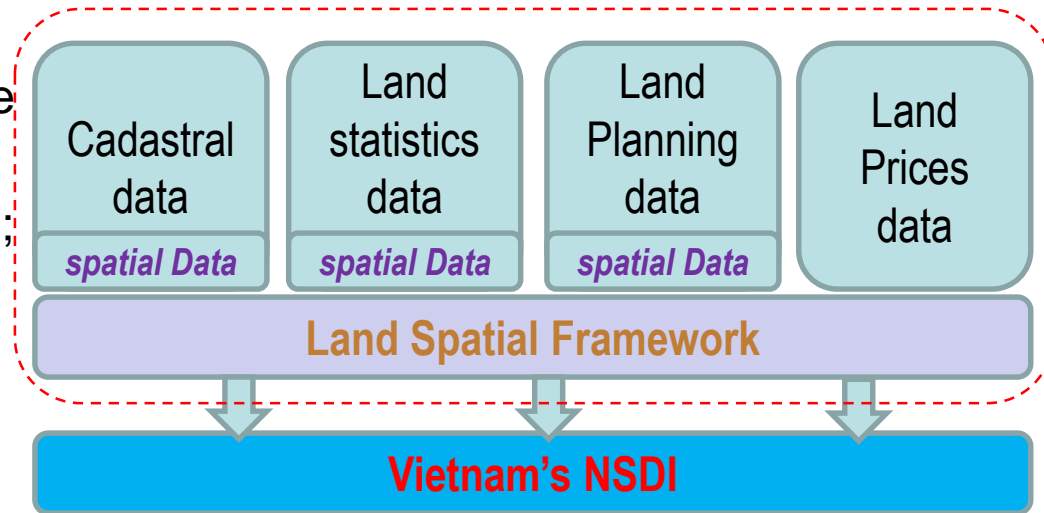
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Land Database

- Four components of Land database: Cadastral DB; Land statistics and inventory DB; Land Planning DB; Land Prices DB
- Spatial data on Land DB:
 - Land Spatial Framework (base layer);
 - Cadastral spatial data (parcel);
 - Planning spatial data;
 - Land use spatial data.



- Spatial data on Land DB will be integrated with Vietnam National Spatial Infrastructure (NSDI)

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A uniform national land information system

- “Vietnam Improved Governance and Database Project - VILG” funding from WB (2017-2023):
 - Improve the efficiency and transparency of land administration services in the Project Provinces, through the development and implementation of Multipurpose Land Information System (MPLIS)
 - Develop and operate a multi-purpose national land information system to better meet the needs of Government, businesses and citizens (Multi-purpose Land information system - MPLIS)
 - Improving the effectiveness, efficiency and transparency of land management in the area through completing land database (National Land Database)

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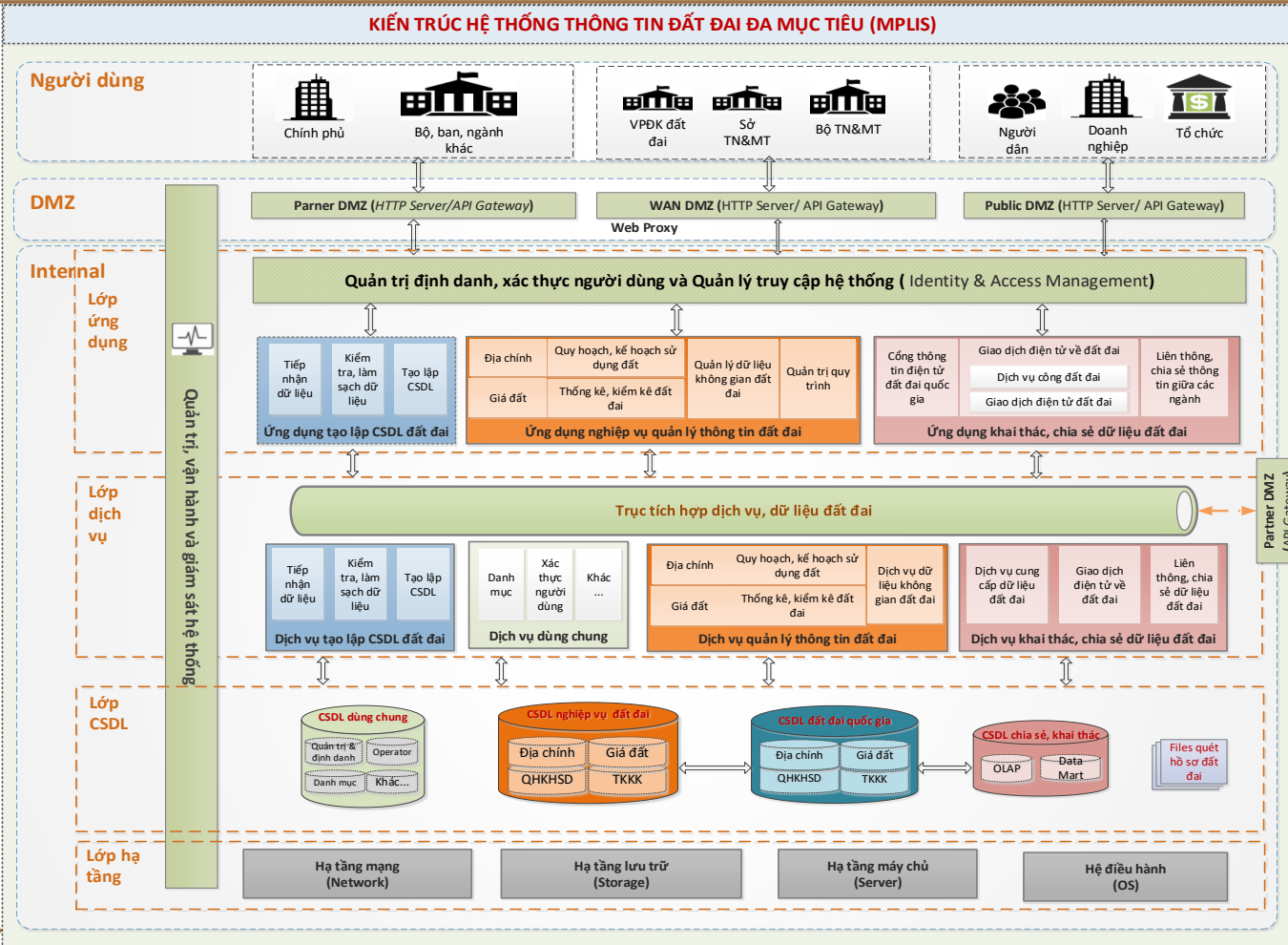
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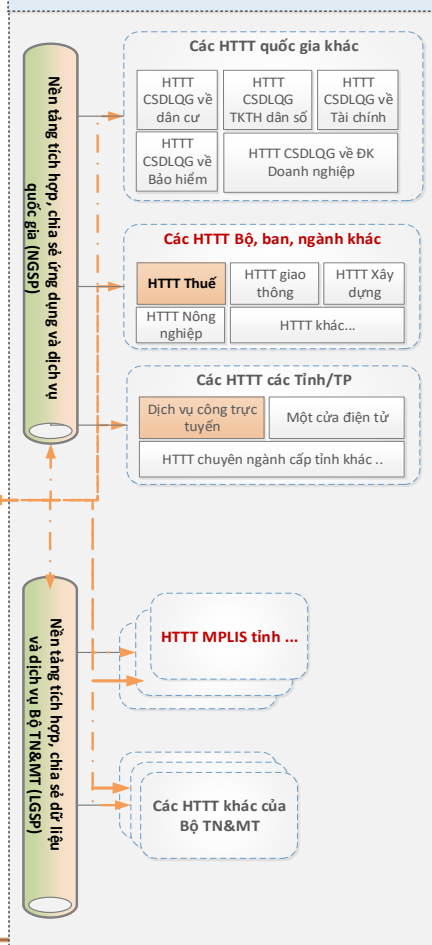


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KIẾN TRÚC HỆ THỐNG THÔNG TIN ĐẤT ĐAI ĐA MỤC TIÊU (MPLIS)



CÁC HTTT KHÁC



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MPLIS components

- National land database (centralized model)
- National Land Data Center
- Network connection: Center -Provinces-districts (Service integrated bus ESB)
- National unified multi-purpose land information system software)
- National land portal: sharing land and online public services on land
- Electronic land registration system (nationwide)
- Sharing, exchange land data: National databases, information systems of other ministries
- Integrated the spatial land data with Vietnam's NSDI

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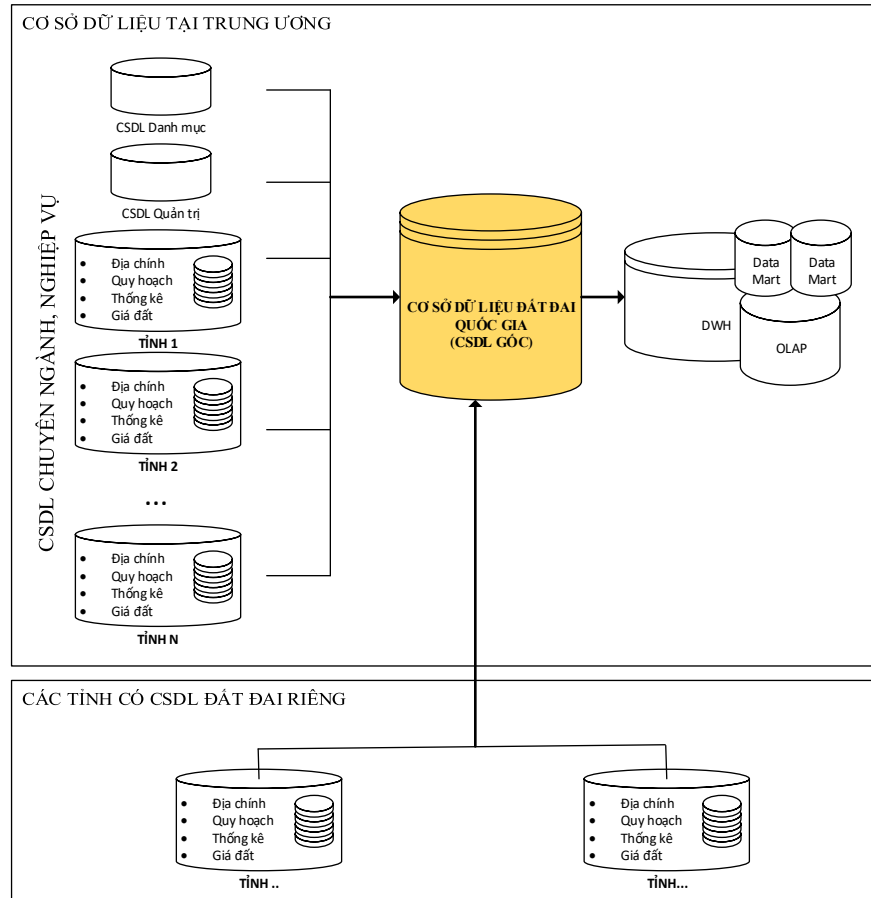


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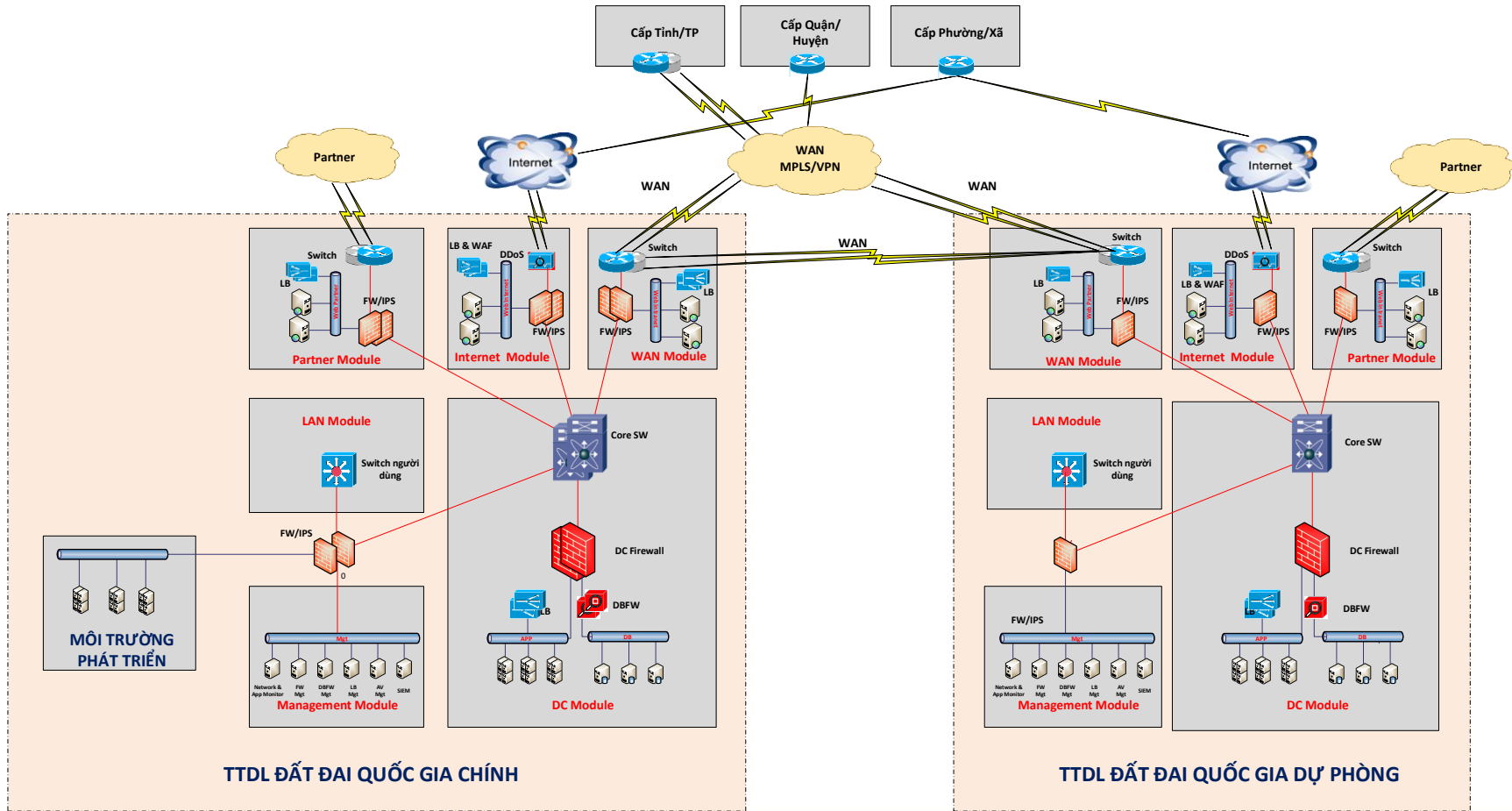


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Vietnam e-Government development roadmap

- **Phase 2019-2020:**

- Vietnam e-Government Architecture Framework (version 2.0);
- Development of national document Enterprise Service Bus (ESB);
- 50% of online public services handled by electronic records;
- Complete the Citizen's national database;

- **Orientation to 2025**

- Finish the national document Enterprise Service Bus (ESB);
- Building other national DB; data sharing with National Services Portal, Database of ministries, provinces.

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MONRE e-Government development roadmap

- **Phase 2019-2020:**

- E-Government Architecture Framework MONRE (version 2.0)
- Deploying the sharing and integration platform (LGSP) of MONRE
- Implementing shared databases and specialized databases
- Build shared platform services

- **Orientation 2025:**

- Upgrade and develop shared core software
- Developing information systems for MONRE management, online services for people and businesses
- Constructing based database, NSDI

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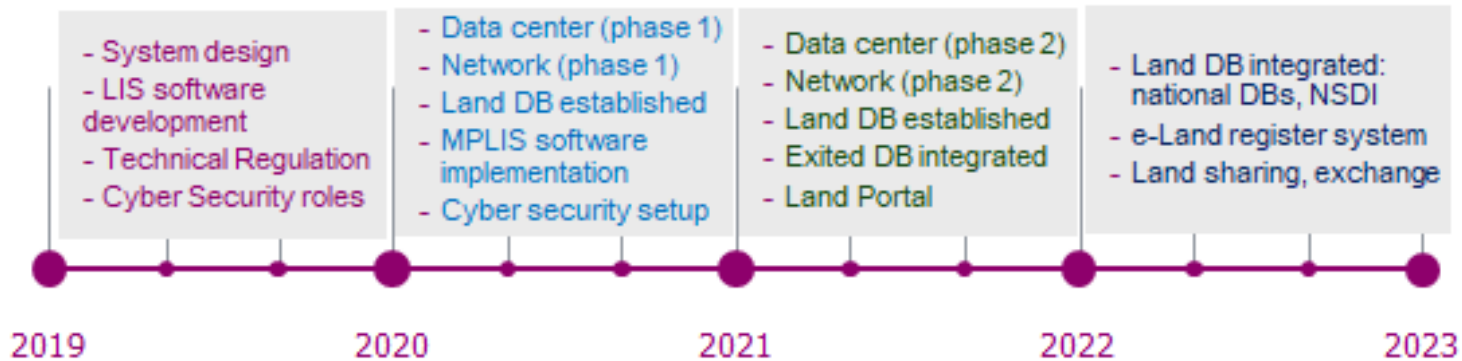
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MPLIS developing roadmap



MONRE e-Government Developing Roadmap

Vietnam e-Government Developing Roadmap

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Thank you !

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