



# CESRA

ศูนย์ความเป็นเลิศด้านการวิจัยดินแห่งภูมิภาคเอเชีย  
CENTER OF EXCELLENCE FOR SOIL RESEARCH IN ASIA

CESRA  
Center of Excellence for Soil Research in Asia

ศูนย์ความเป็นเลิศ  
ด้านการวิจัยดิน  
แห่งภูมิภาคเอเชีย

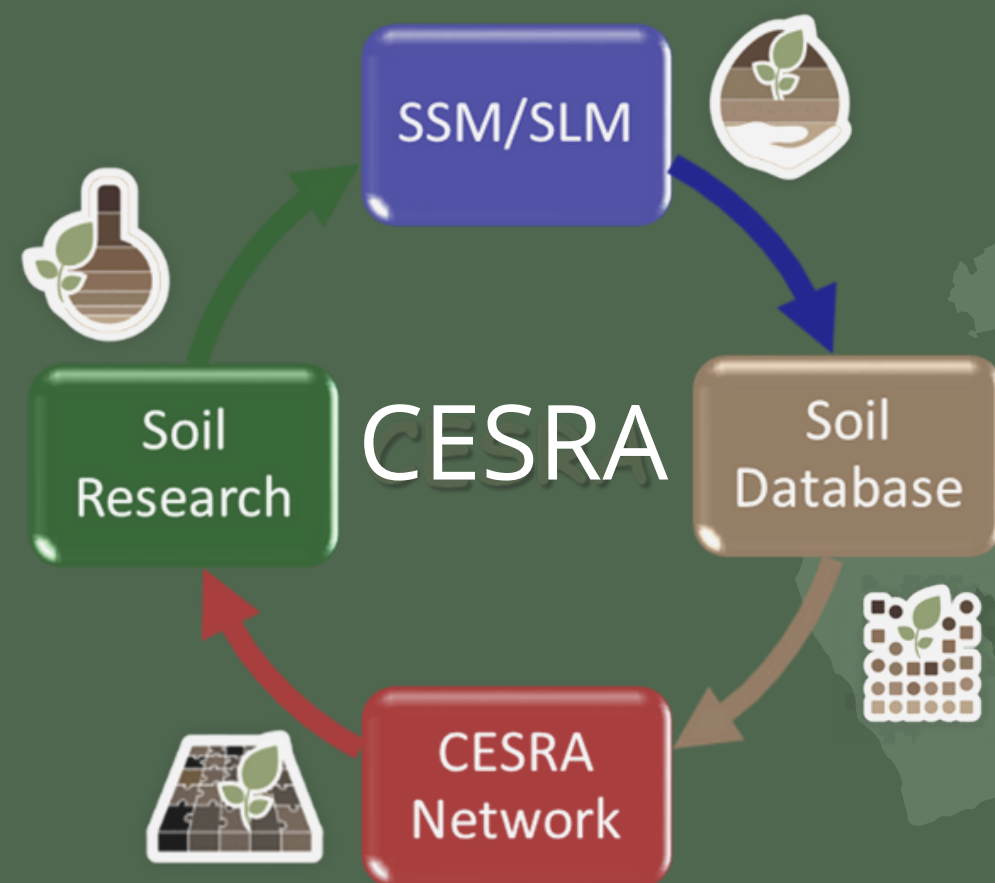


# What CESRA is and why it is important ?



The Center of Excellence for Soil Research in Asia (CESRA) is a hub of research institutions for advancing research on soil protection, management and restoration, established in 2018 and hosted by the Kingdom of Thailand

Soils are fundamental to life on Earth, but human pressures on soil are reaching critical limits. Further loss of productive soils affects national economies and could potentially send millions of people into poverty. This loss is avoidable through SSM, which can increase food supply and provide a pathway for safeguarding and boosting ecosystem services. Achieving SSM will generate large benefits for all communities and nations.



# What CESRA is working on ?



- **To build the capacity** of CESRA's Member countries on SSM following a demand-driven approach where countries will determine the needs
- **Promote the exchange** of knowledge, data, technical cooperation and experience in the Asian region by establishing the Asian Soil Information System (ASIS) as direct contributor to the Global Soil Information System (GLOSIS)
- **To encourage** interdisciplinary and trans-disciplinary targeted soil research and the development of SSM tools and techniques through technical cooperation using different approaches including South-South cooperation
- **To promote education** on Sustainable Soil and Land management (SSM and SLM), encourage partnership with different stakeholders and support informed decision-making



# What is the relation between the Asian Soil Partnership and CESRA ?



The Asian Soil Partnership (ASP) was established in February 2012 to enhance collaboration between the 24 countries in the region. Through annual meetings and the development of implementation plans, national needs and priorities are translated into regional actions. In the framework of supporting the implementation of regional plans and actions the ASP decided to establish CESRA in 2018



# Why shall I join CESRA ?

Joining CESRA is a unique opportunity to:

- Cooperate and exchange knowledge and experience with other leading institutions on soil research in the region
- Participate to exchange programmes and trainings on soil-related topics in different countries
- Seek for funding sources and co-funding to support the cooperation among members
- Contribute to and benefit from the creation of a regional data and research repository
- Access a wide range of tools and research sites
- Connect with other networks within and beyond the region (e.g. Global Soil Laboratory Network and International Network of Soil Information Institutions)



# CESRA activities 2022



## Workshop on Best practices of salt-affected soil management guidelines for Asia

- Gather SSM best practices from ASP member countries to upload in CESRA website for other members to learn (Thailand has already shared 12 practices on salt-affected soil)
- Develop SSM best practices of Asia starts from salt-affected soil
- Members of CESRA will be invited to join a workshop on development of salt-affected soil best practices in Thailand and Zoom around March 2023





# CESRA activities 2022



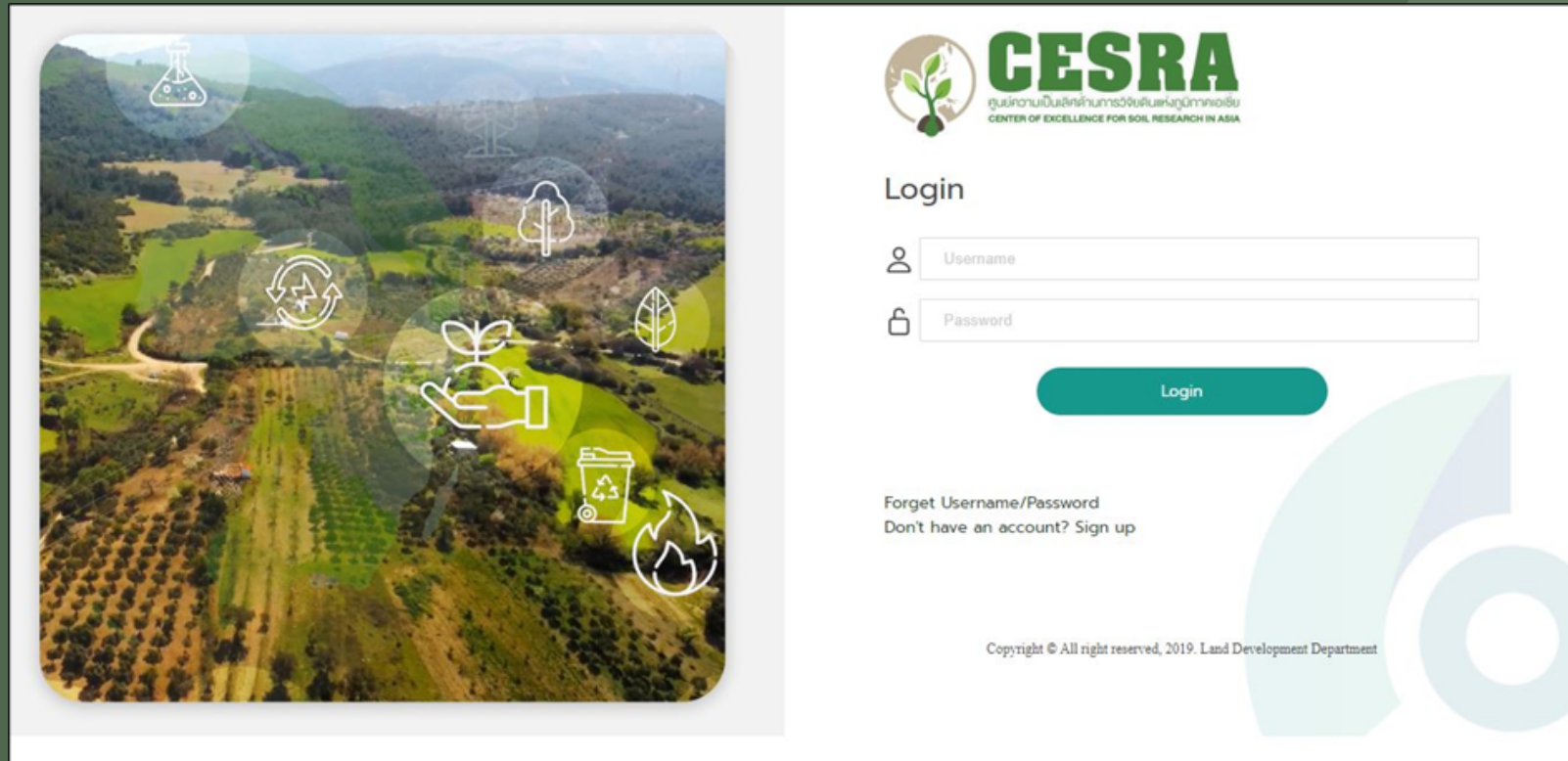
## E-training on Soil diagnostic skill on SSM

- CESRA has established e training courses on Development of Diagnostic Skills of Soil Limitations for Sustainable Agriculture (Simplified self-soil diagnostic techniques) comprised of 7 subjects
  - Knowing soils for absolute beginners
  - Soil limitation and quality
  - Simplified techniques for diagnosis soil physical quality
  - Simplified techniques for diagnosis soil chemical quality
  - Simplified techniques for diagnosis soil biological quality
  - Soil limitation analysis by soil quality assessment
  - Soil limitation management
- To be launched in CESRA website on October 2022

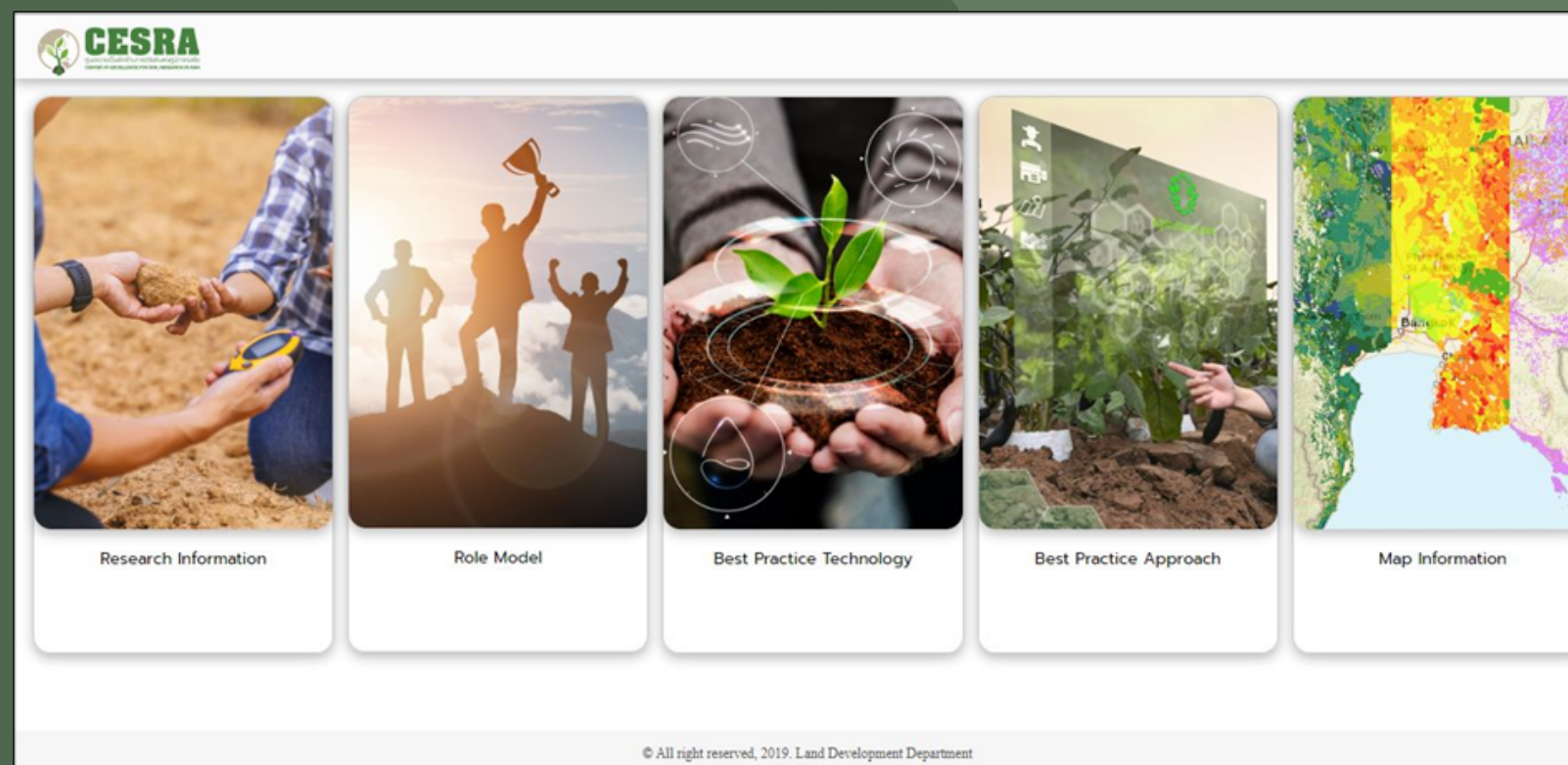


# CESRA activities 2022

## Platform for data sharing and exchanging among members



- CESRA has been developing a network system for data sharing on soil information and soil research for all members to access
- The linkage to ASIS (Asian soil information system) and GLOSIS will be developed later on
- The system will be ready for members to access on December 2022





# CESRA Members



## 19 Institutes from 9 countries

- Bhutan
- India
- LAO PDR
- Malaysia
- Mongolia
- Myanmar
- Sri Lanka
- Vietnam
- Thailand



# How to become a member of CESRA ?



Date: .....

## Center of Excellence for Soil Research in Asia Network: CESRA Registration Form

1. Country: .....

2. Institute/Organization name: .....

3. Institute/Organization short name or acronym: .....

4. Host organization (if any): .....

5. Type of Organization:  Government  University  
 Private Sector  Research Institute or Center  
 Other: .....  
(Please identify)

6. Organization key research expertise: (multiple choices)  
 Soil Science  Hydrology  
 Agriculture  Geomatics  
 Climatology  Land Use  
 Ecology  Other: .....  
(Please identify)

7. Preferred areas of research:  
.....  
.....

8. Organization full address:  
Full address: .....  
Email: ..... Telephone/Mobile phone: .....  
Website: ..... Social media: .....

9. Head of Organization:  
Full name: ..... Position: .....  
Email: ..... Telephone/Mobile phone: .....

10. Contact person:  
Full name: ..... Position: .....  
Email: ..... Telephone/Mobile phone: .....

I hereby certify that the provided information are accurate.

.....  
Signature  
Full name.....  
Position.....  
(Head of Organization)

Please send the completed form to [aspcesra@gmail.com](mailto:aspcesra@gmail.com)

All research institutes, centers, organizations and universities are welcome to register in CESRA by completing the form available at <http://cesra.idd.go.th/>. The completed form should be sent to [aspcesra@gmail.com](mailto:aspcesra@gmail.com) All members will receive a certificate of registration

