

CDM in the context of Sri Lanka

Dr. Lalani Samarappuli
Head, Soils & Plant Nutrition Dept.
Rubber Research Institute of Sri Lanka

Awareness Programme for Academic staff

OUSL

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Clean Development Mechanism

Implementing projects in Non Annex 1 countries (developing countries), that reduce emissions of GHG from the atmosphere and sell the amount reduced to Annex 1 countries (developed countries)

Specific Criteria of CDM Projects

- Must be voluntary
- Have country's approval
- Meet sustainable development goals of the country
- Reduce GHG emissions above and beyond BAU
- Include participation of stakeholders
- Not contribute to environmental decline
- Limited to non-nuclear technology
- Limited to countries ratified Kyoto Protocol

Types of CDM Projects

- **Emission Reduction Projects**
- **Emission Uptake Projects**

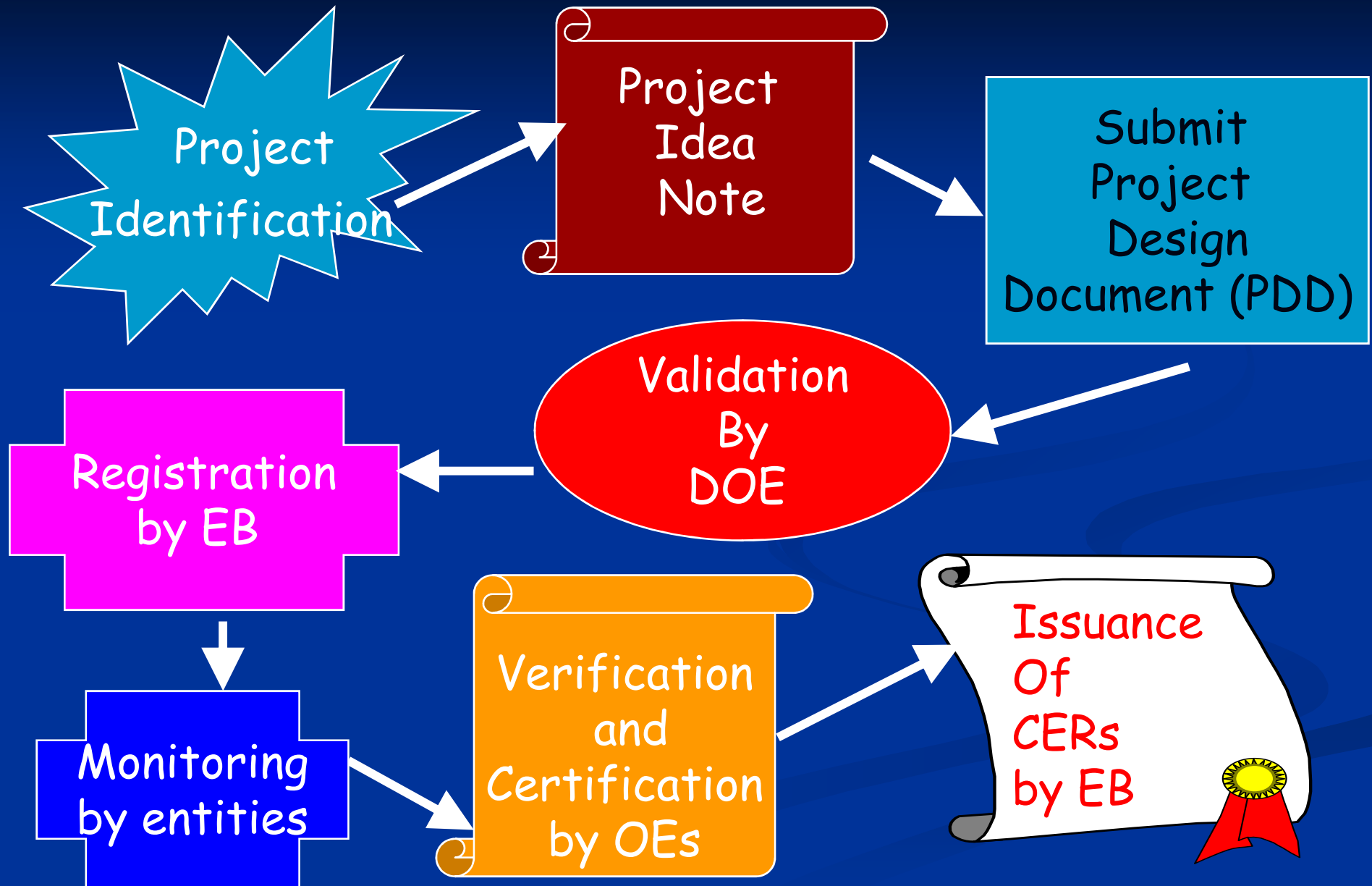
Potential Sectors

- Energy
- Industrial
- Agriculture
- Waste sector
- Forestry

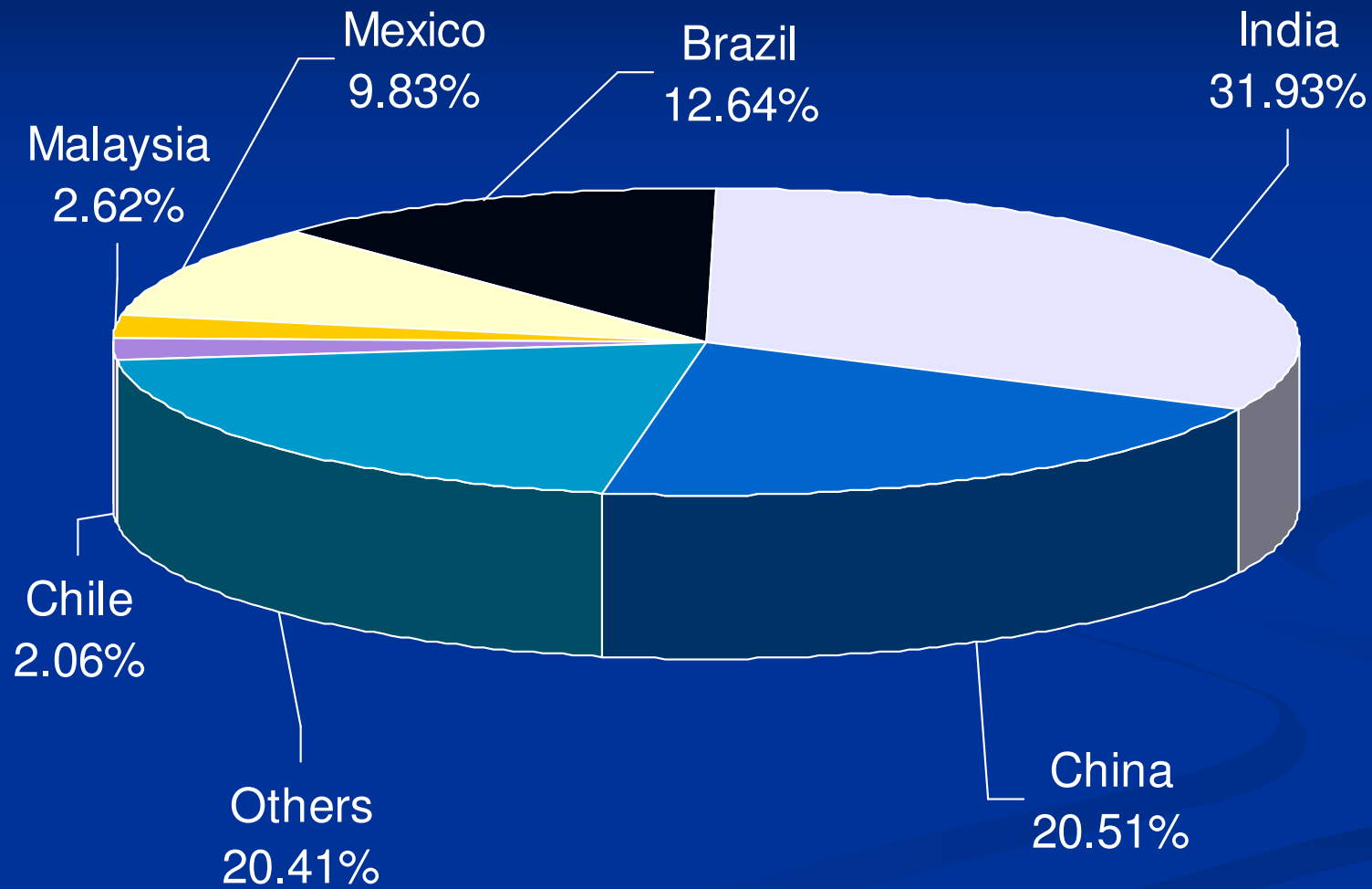
Key Participants of a CDM Project Process

- CDM Project Investor/Developer
- Designated National Authority (DNA)
- Designated Operational Entity (DOE)
- CDM Executive Board (EB)

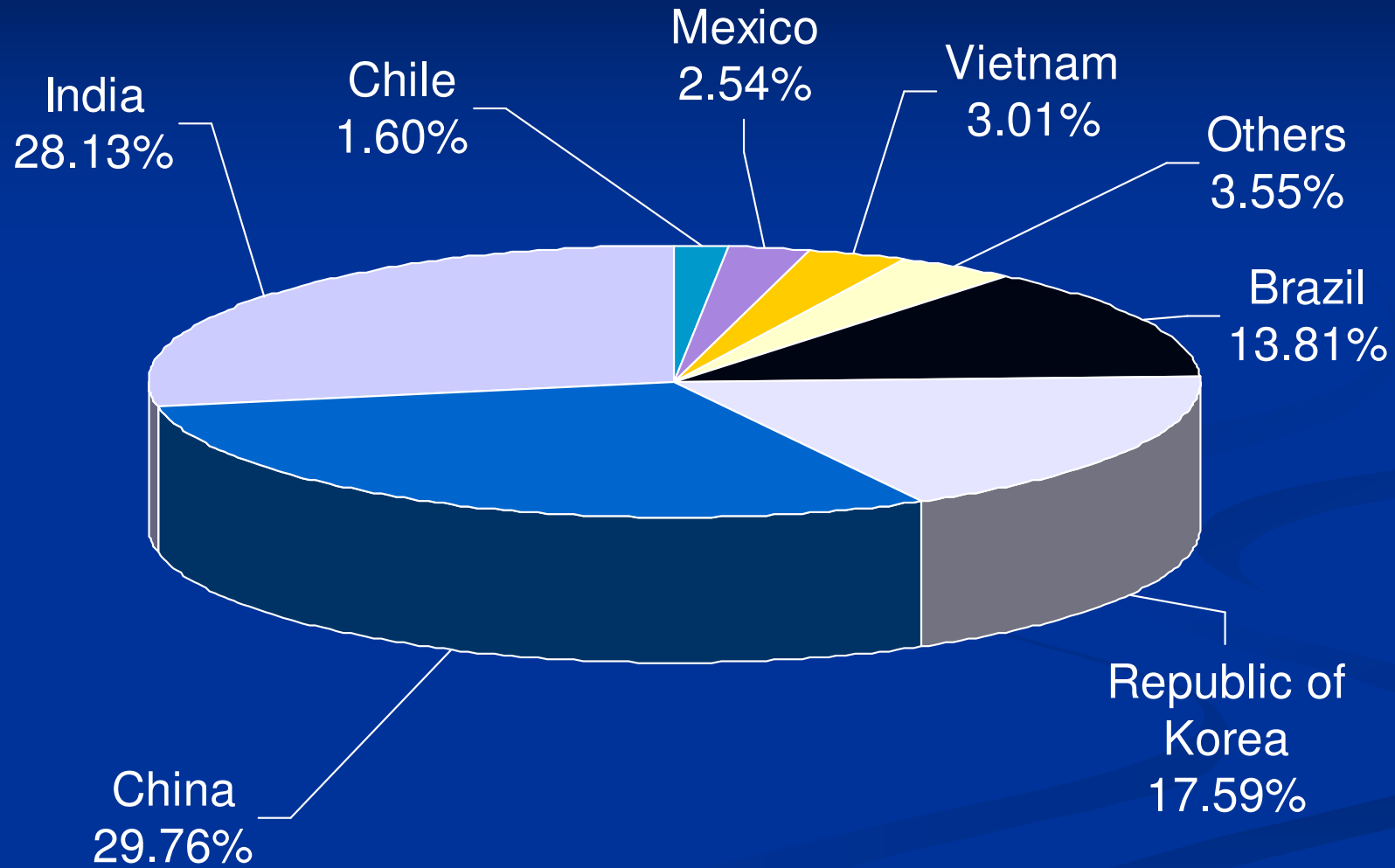
CDM Project Cycle



Registered Projects by Host Party



CERs Issued by Host Party



Sri Lankan Scenario

- UNFCCC - Adopted at Rio Summit in 1992
- Sri Lanka - Ratified the UNFCCC in November, 1993
- Kyoto Protocol - Adopted to the UNFCCC in 1997
- Sri Lanka - Acceded to the Kyoto Protocol in September, 2002
- Established DNA registered with UNFCCC EB in June, 2003

Sri Lankan Scenario contd.

- Initiated CDM Projects in 2003
- First CDM Project Registration with UNFCCC in 2005
- Sector – Energy Industry (03 Mini Hydro Projects)

Sri Lankan Scenario contd.

Registered Projects – 07

05 Mini Hydro and 02 Biomass

Quantity of projected CERs – >220 ktCO₂e/year

Sri Lankan Scenario contd.

Registered Projects – 06

03 Mini Hydro – Registered in 2005

01 Mini Hydro – Registered in 2006

02 Biomass – Registered in 2009

01 Mini Hydro – Registered in 2010

Sri Lankan Scenario contd.

- Request Registration - 00 Project
- At Validation – 12 Projects
- Notification for Prior Consideration of CDM – 44 Projects
- PDD Submission – 33
- PIN Submission – 134
- Rejected – 03 Projects

The Constraints

Constraints/Issues



- Reduce GHG emissions above and beyond BAU
- Prior consideration
- Additionality

Constraints/Issues



Developing
PIN & PDD

- Inadequate technical capacity
- Financial constraints
- Information constraints
- Investment risks

Constraints/Issues

Validation
By
DOE

- Inadequate technical capacity
- Information constraints
- Financial constraints

Constraints/Issues



Given time period to address the issue

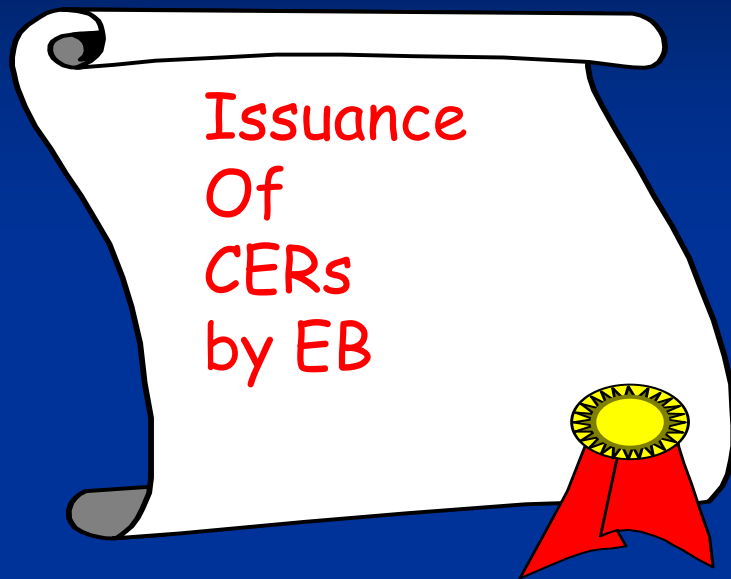
Not getting registered

Constraints/Issues

Monitoring, Verification
and
Certification
By DOEs

- Actual data collection and recording
- Quality assurance - Calibration of instruments

Constraints/Issues



- Correct price for CERs

Sri Lankan Potential for CDM by Sectors

Sector	CO2 Reduction Potential (tCO2/yr)
Hydro Power	613,200
Wind	672,768
Biomass (Grid power)	1,680,000
Biomass (Industrial heat)	512,000
Biomass (Absorption refrigeration)	400,000
Energy conservation Electricity/Petroleum	178,500
Transport	600,000
Agro residue (rice husk/saw dust)	224,000
MSW	500,000
Forestry	1,352,000
Total	6,730,000

■ *Batagoda et al, 2007.*

Thank you