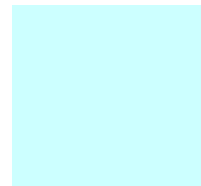
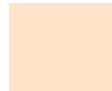




# Use of ICT in Reaching the Unreached in Education in Southeast Asia

Abigail Cuales Lanceta

Southeast Asian Ministers of Education Organization (SEAMEO) Secretariat





# **Southeast Asian Ministers of Education Organization (SEAMEO)**

*Leading through Learning*

# The Purpose of SEAMEO

SEAMEO is a chartered international and intergovernmental organization established in 1965 to promote cooperation in education, science and culture in Southeast Asia.

- Establishes network and partnerships
- Provides intellectual forums for policy makers and experts
- Promotes sustainable human resource development
- Develops and nurtures the capacities of teachers and school managers in Southeast Asia through 20 SEAMEO specialist institutions



# 11 Member Countries

**Indonesia (1965)**

**Lao PDR (1965)**

**Malaysia (1965)**

**Philippines (1965)**

**Singapore (1965)**

**Thailand (1965)**

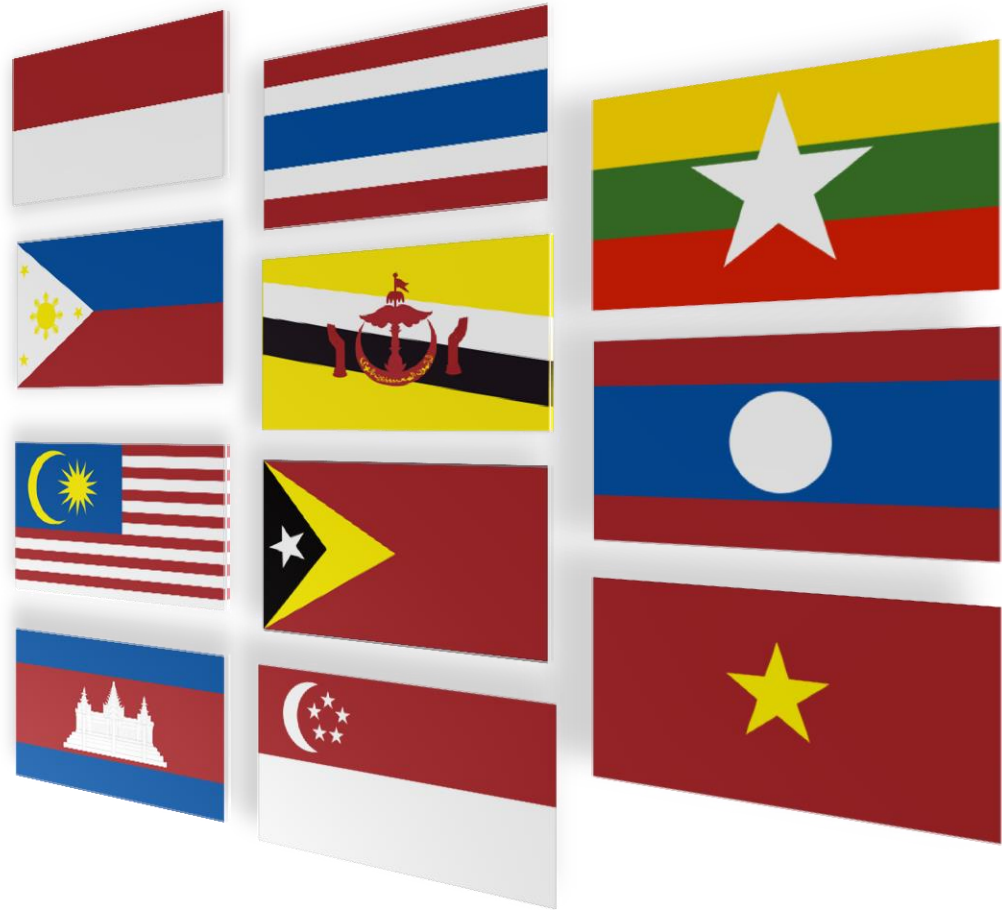
**Cambodia (1971)**

**Brunei Darussalam (1984)**

**Vietnam (1992)**

**Myanmar (1998)**

**Timor-Leste (2006)**



# 8 Associate Members

**Australia (1973)**

**France (1973)**

**New Zealand (1974)**

**Canada (1988)**

**Germany (1990)**

**Netherlands (1993)**

**Spain (2007)**

**United Kingdom (2013)**



# 3 Affiliate Members



**International Council for Open and  
Distance Education (1999)**

**University of Tsukuba (2009)**



*University of Tsukuba*



**British Council (2010)**

# 20 SEAMEO Regional Centres

## and a Regional Network on Tropical Medicine and Public Health

12 Regional  
Centres  
for Education

### Areas of Expertise

1. Innovation and Technology
2. Science and Math Education
3. Language Education
4. VT Education
5. Higher Education
6. Special Education
7. Distance Education
8. Education Management
9. Teacher Capacity Building

2 Regional  
Centres  
for Culture

### Areas of Expertise

1. Cultural Development
2. Archaeology
3. Fine Arts
4. History and Traditions

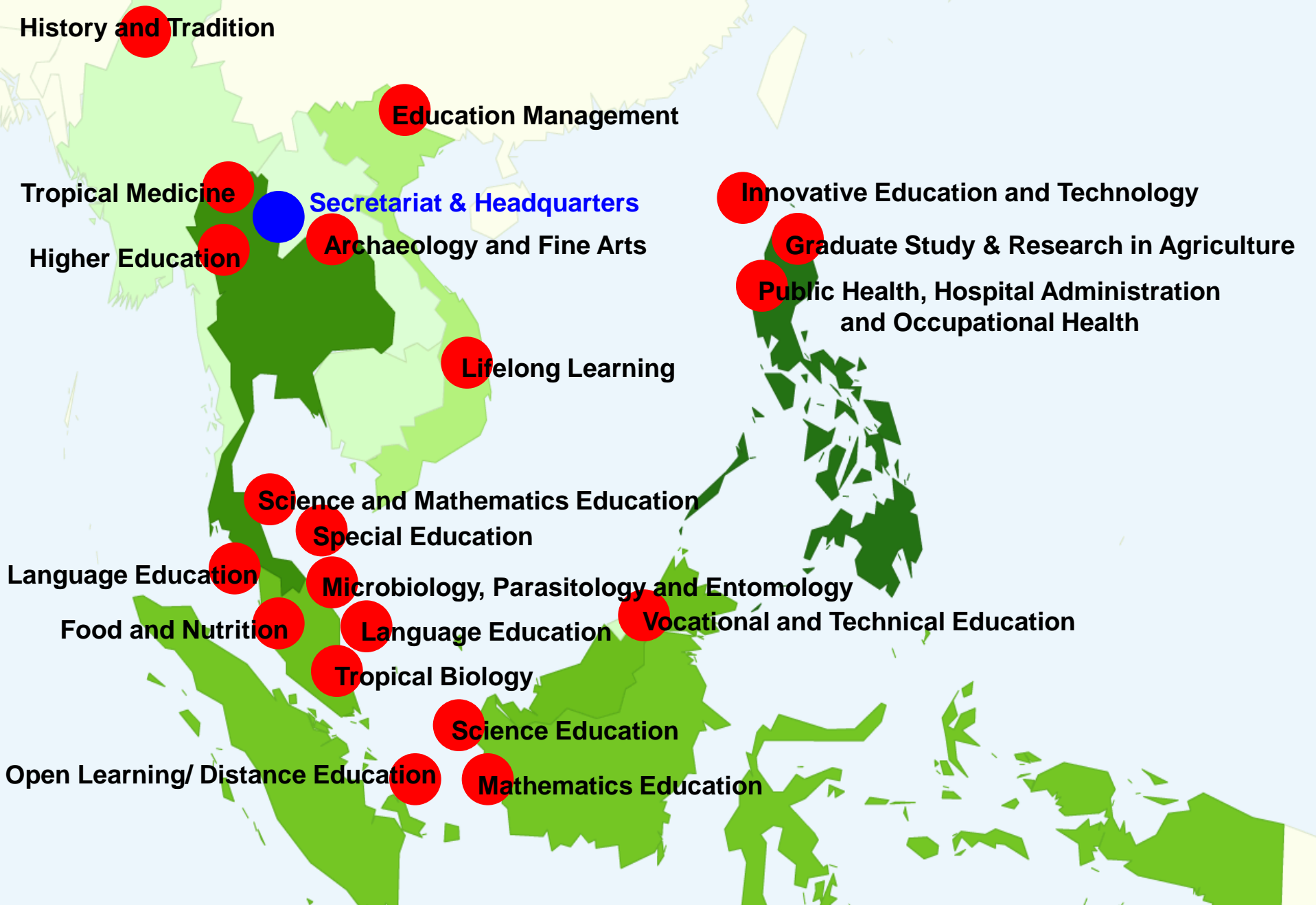
8 Regional  
Centres  
for Science

### Areas of Expertise

1. Agriculture
2. Tropical Biology
3. Natural Resource Management
4. Tropical Medicine
5. Public Health
6. Food and Nutrition



# 20 SEAMEO Regional Centres in Southeast Asia





# ICT Revolution and Narrowing the Digital Divide in Southeast Asia

- ❑ **Two-thirds of the population of Southeast Asia lives in rural areas.**
- ❑ **The disparity in living conditions between urban and rural areas leads to high urbanization in Southeast Asian cities.**
- ❑ **78% of Southeast Asians use ICT in various facets of their lives**
- ❑ **Broadband internet is a reality and many ICT services and applications are available**
- ❑ **100% mobile phone penetration in 5 countries, with the other Member Countries rapidly making their way towards the mark**



# The ASEAN Master Plan on ICT (2010-2015)

Association of Southeast Asian  
Nations (ASEAN)



**WE'RE  
STRONGER  
WHEN WE'RE  
CONNECTED.**

ASEAN ICT Masterplan 2015

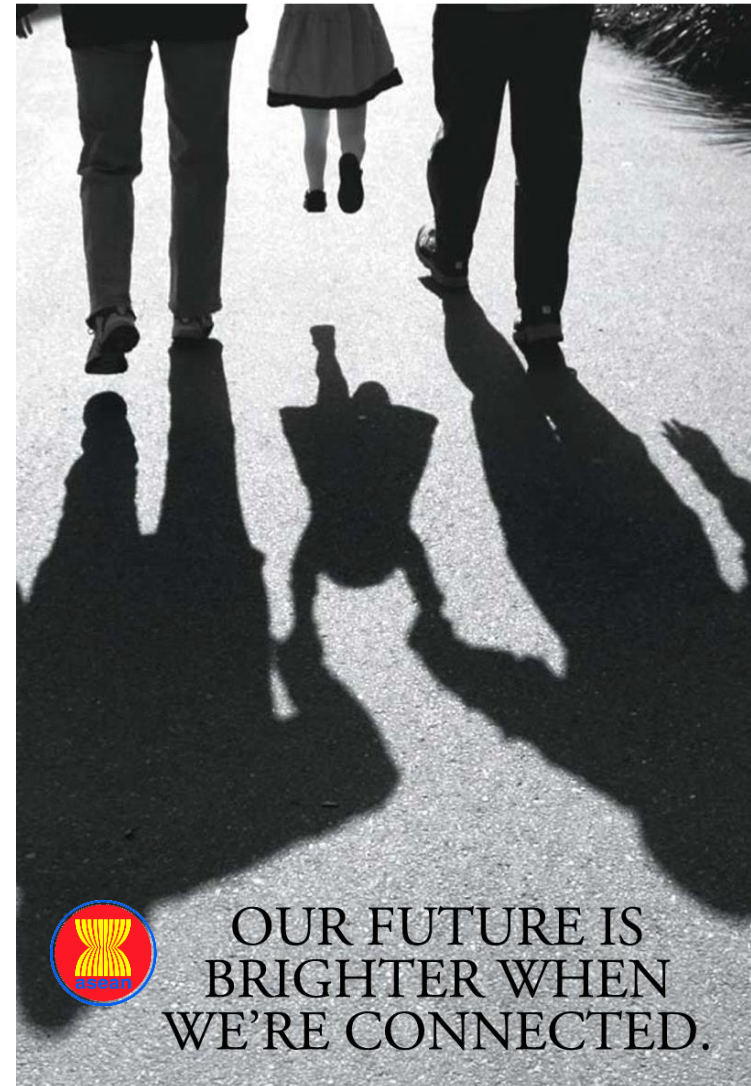


- **Harness the potential of ICT in establishing the ASEAN Community**
- **ICT is a powerful enabler to achieve integration of ASEAN communities through comprehensive and pervasive ICT adoption across the peoples of the region**

# The ASEAN Master Plan on ICT (2010-2015)

## Key Outcomes

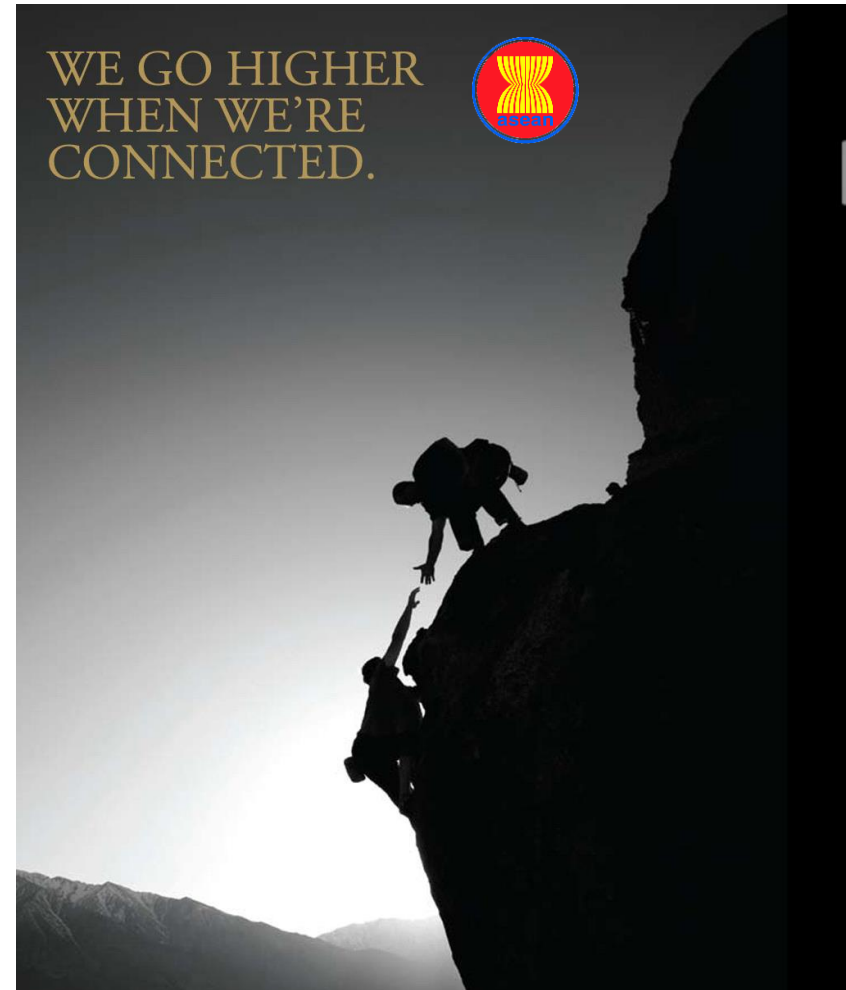
1. ICT as an engine of growth for ASEAN Member Countries
2. Recognition for ASEAN as a global ICT hub
3. Enhanced quality of life for peoples of ASEAN
4. Contribution towards ASEAN integration



# The ASEAN Master Plan on ICT (2010-2015)

## Strategic Thrusts

1. Economic transformation
2. People empowerment and engagement
3. Innovation
4. Infrastructure development
5. Human capital development
6. Bridging the digital divide



# Reaching the Unreached: Education For All by 2015



- Learners from remote communities, indigenous peoples
- Girls and women children from migrant families
- Learners with disabilities
- Street children, orphans
- Children and young people affected by HIV and AIDS



# Reaching the Unreached: Education For All by 2015



|    | Multi-Country Projects  | Lead Country              |
|----|---|---------------------------|
| 1  | Transition support for learners with disabilities   | Malaysia                  |
| 2  | Tracking system for students at risk of dropping out  | Philippines               |
| 3  | Promote awareness of education for girls and women  | Malaysia                  |
| 4  | Tracking mechanism for unreached populations  | Vietnam                   |
| 5  | Pre-school programme for all  | Brunei Darussalam         |
| 6  | Multi-grade teaching  | Lao PDR                   |
| 7  | Development of more community-based learning centres in rural areas in Southeast Asia for literacy and livelihood | Thailand                  |
| 8  | Inter-country schooling programme for stateless and undocumented children   | Indonesia                 |
| 9  | Project on HIV and AIDS using an integrated approach  | Thailand                  |
| 10 | Education in emergencies and disaster preparedness  | Indonesia and Philippines |

**If students do not learn in the way we teach,  
then let us teach them in the way they learn.**



**Use of ICT in Reaching the Unreached in  
Education in Southeast Asia**

# Integration of ICT in Education in SEAMEO Member Countries

## Status of ICT Integration in Education in Southeast Asian Countries (2010)

### 10 ICT In Education Dimensions

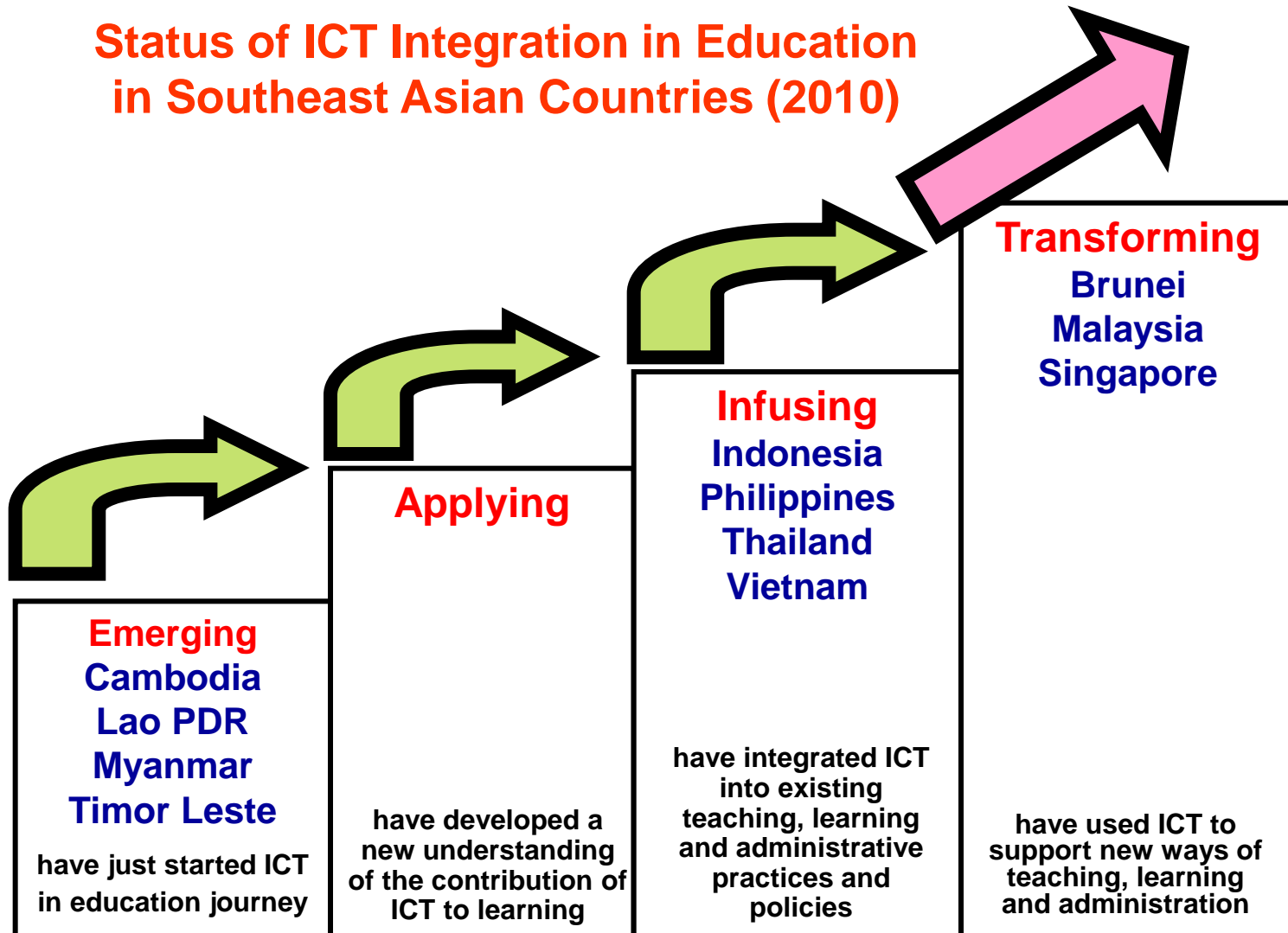
1. ICT in education vision
2. ICT in education plans and policies
3. Complementary ICT and education policies
4. ICT infrastructure and resources in schools and CLCs
5. Professional development for teachers and school leaders
6. Community mobilization and partnerships
7. ICT in the national curriculum
8. Teaching and learning pedagogies
9. Assessment
10. Evaluation and research





# Integration of ICT in Education in SEAMEO Member Countries

## Status of ICT Integration in Education in Southeast Asian Countries (2010)



# **Integration of ICT in Education in SEAMEO Member Countries**

## **Status of ICT Integration in Education in Southeast Asian Countries (2010)**

### **Emerging Issues**

- 1. Holistic approach towards the development of the national ICT in education plans and policies**
- 2. Provision of professional teacher development with emphasis on pedagogy**
- 3. Emphasis on ICT in national curriculum and assessment**
- 4. Planning for evaluation and research of ICT in education**
- 5. Sharing and transfer of ICT in education best practices and lessons learned among the countries and schools in the country.**
- 6. Support “Emerging” group of countries in their ICT education efforts through partnerships.**

# SEAMEO's Initiatives to Strengthen Education in Rural Communities in Southeast Asia

## 4 Major Areas

1. Developing and providing local content
2. Promoting ICT as an educational tool
3. Developing management information systems
4. Promoting online forums

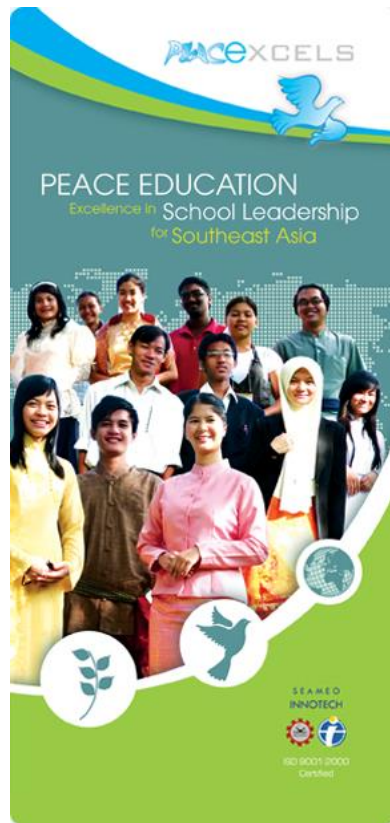
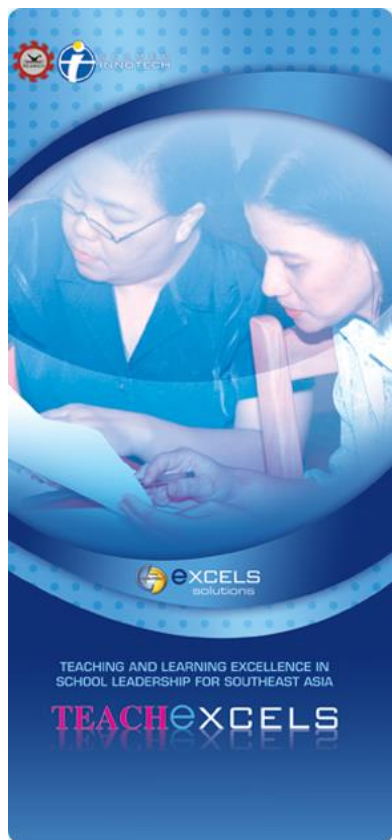


# SEAMEO's Initiatives to Strengthen Education in Rural Communities in Southeast Asia

## Developing and providing local content

| Project/Activity  | Lead SEAMEO Regional Centre |
|---|-----------------------------|
| 1. Text2teach: Instructional materials development and teacher capacity building in audio/video-enhanced learning in mathematics and science      | SEAMEO INNOTECH             |
| 2. EXCELS Programme or Excellence in School Leadership – training courses for school administrators and education managers using blended learning | SEAMEO INNOTECH             |
| 3. Southeast Asian Education Network (SEA EduNet): a repository of learning materials and a portal for education networking                       | SEAMEO SEAMOLEC             |

# Excellence in School Leadership (EXCELS) by SEAMEO INNOTECH



# SEAMEO's Initiatives to Strengthen Education in Rural Communities in Southeast Asia (cont'd)

## Promoting ICT as an educational tool

| Project/Activity  | Lead SEAMEO Regional Centre |
|---|-----------------------------|
| 1. Implementation of low-cost Interactive Smart Boards in disadvantaged areas   | SEAMEO RETRAC               |
| 2. Training for communities and schools on topics such as computers for instruction, using ICT and the Internet, Wiki for instruction, web-based course development, and self-access study for teachers | SEAMEO SEAMOLEC             |
| 3. Use of Moodle as an online platform for knowledge of agriculture and natural resource management and solutions exchange  | SEAMEO SEARCA               |
| 4. Development of multimedia learning materials including web-based platforms for networking and mobile telephony   | SEAMEO SEARCA               |
| 5. Training on the use of ICT tools and ICT-based materials for HIV/AIDS preventive education   | SEAMEO TROPED Network       |

# SEAMEO's Initiatives to Strengthen Education in Rural Communities in Southeast Asia

## Developing management information systems

| Project/Activity   | Lead SEAMEO Regional Centre |
|--|-----------------------------|
| 1. Capacity building on the use of basic ICT and information retrieval for community development                 | SEAMEO BIOTROP              |
| 2. School-community partnership for preventive education by developing web-based project databases               | SEAMEO TROPMED Network      |
| 3. The Use of Geographic Information System (GIS) and Remote Sensing Technology for Natural Resources Management | SEAMEO BIOTROP              |

# SEAMEO's Initiatives to Strengthen Education in Rural Communities in Southeast Asia (cont'd)

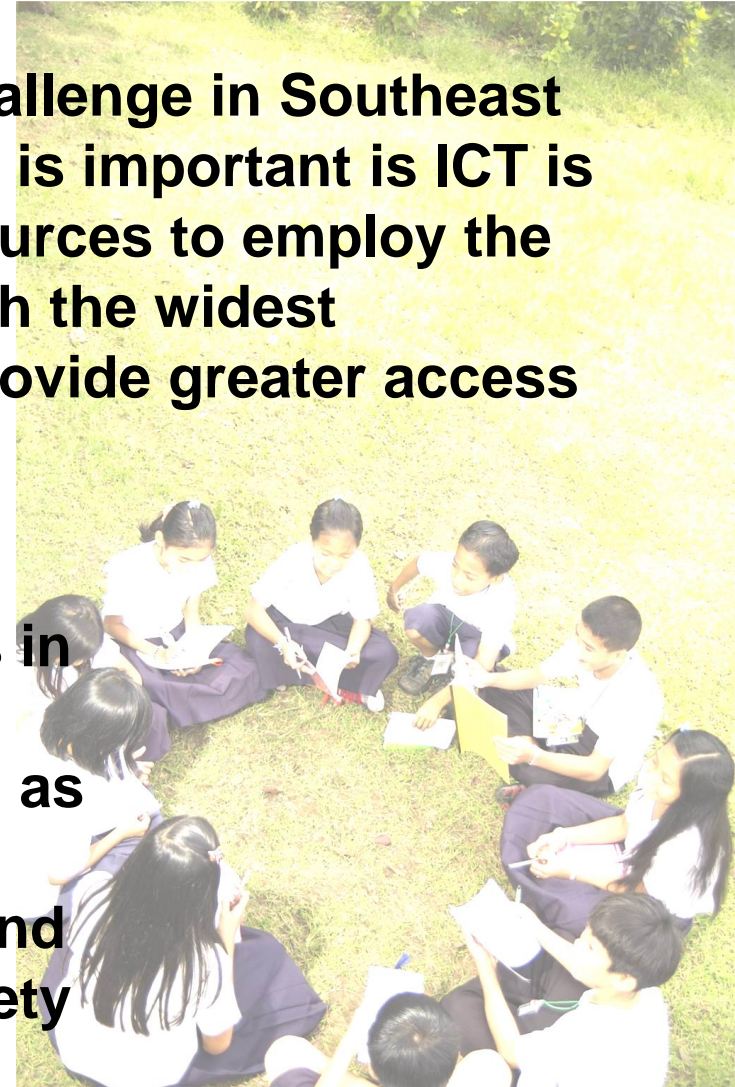
## Promoting online forum

| Project/Activity  | Lead SEAMEO Regional Centre                 |
|---|---|
| 1. Networking of graduate fellows and agriculture leaders via online modalities | SEAMEO<br>SEARCA                            |
| 2. Use of Facebook and other social media in communication                      | SEAMEO<br>Secretariat and<br>SEAMEO Centres |



# Conclusion and Take-away Messages

- 1. Digital divide will continue to be a challenge in Southeast Asia – resources are limited but what is important is ICT is integrated and harnessed in our resources to employ the most cost-effective measures to reach the widest audience possible in our efforts to provide greater access to quality education**
- 2. Challenges remain in the attempts to alleviate access of rural communities in the use and benefits of ICTs. Comprehensive framework is needed as well as cooperation among key stakeholders such as governments and policymakers, industry and civil society**



# Conclusion and Take-away Messages

3. **ICT and affordable and equitable broadband access is critical for socio-economic development. The urban successes of providing services including education in urban areas need to be replicated in rural areas.**



3. **SEAMEO will continue to play its role in strengthening human resource development and connecting rural communities in Southeast Asia through ICT to reach those who remain unreached in education.**



## **SEAMEO Study and Development of Post-2015 Education Scenarios and Post-EFA Agenda in Southeast Asia**

**Dec 2013 – May 2014**

- 1. Examine the global and Asia-Pacific discourses on MDGs, EFA Goals and Post-2015 Education Agenda**
- 2. Determine the application, implication and adaptability of these discourses on education and the Post-2015 Education Agenda in Southeast Asia, paying particular attention to conditions that are supportive of the ASEAN Community**
- 3. Identify gaps and recommend specific options for post-2015 education agenda in Southeast Asia**
- 4. Develop regional plans of actions based on identified recommendations and options for post-2015 education agenda in Southeast Asia**



Theme:

## Southeast Asia in Transition: Re-thinking Education, Science and Culture for Regional Integration

28-29 October 2014

Imperial Queen's Park Hotel, Bangkok, Thailand

Registration opens in **January 2014**

Abstract submission starts from **1 January to 20 May 2014**

For more information, please visit:

[www.seameocongress.org](http://www.seameocongress.org)

## SUB-THEMES

1. **Regional Integration:** Opportunities to Education, Science and Culture and HRD in Southeast Asia
2. **Re-thinking Education:** Re-shaping Education to Bridge Skills Gap
3. **Re-thinking Science:** Prospects and Possibilities for Enhancing Science and Technology Education
4. **Re-thinking Culture:** Inclusion of Cultural Diversity and Development in Regional Integration



Thank you very much.  
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[www.seameo.org](http://www.seameo.org)

