

CChAMPioning Food Security and Poverty Alleviation in Southeast Asia



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SOUTHEAST ASIAN REGIONAL CENTER FOR GRADUATE STUDY
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SEARCA is one of 20 Centers of the Southeast Asian Ministers of Education Organization or SEAMEO, a treaty organization of 11 countries founded in 1965 to promote regional cooperation in education, science, and culture.




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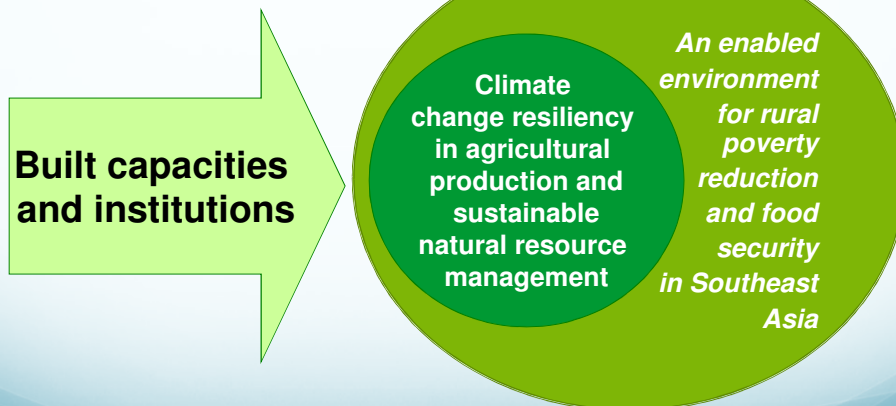
SEARCA's 3 Major Functions

- To provide high quality **graduate education** and **training** in agriculture to member countries
- To promote, undertake, and coordinate **research** related to the needs and problems in agriculture of the region
- To **disseminate** the **findings** of agricultural research and experimentation


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SEARCA's Climate Change Adaptation and Mitigation Program (CChAMP) for Agriculture and Natural Resource Management in Southeast Asia



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Main issues in CCA in ANR in SEA

- Reduced crop yields due to heat stress and drought (El Niño); and floods (La Niña)
- Inconsistent timing of production cycle due to erratic precipitation patterns also affecting life cycles of pests and diseases
- Loss of arable land due to amplified soil salinity from seawater intrusion (rising sea levels)
- Reduced aquaculture harvest due to saltwater intrusion and reduced fish catch due to coral bleaching



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Gaps/needs and Solutions

SOME GAPS/NEEDS

1. Vulnerability of climate-sensitive sectors
2. Limited access to financing and investment for CChAM
3. Limited capacity for CChAM
4. Gaps in policies and development plans
5. Translation of science-based knowledge to action

POSSIBLE SOLUTIONS

1. Appropriate and useful tools in and data management on vulnerability assessment
2. KM and capacity development on financing and CChAM
3. Policy studies, fora, and materials
4. Action research on mainstreaming



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Expected Outputs

- Empowered agriculture and natural resource institutions to address Climate Change Adaptation and Mitigation (CChAM)
- Well-informed policy and decision makers on the impact of CC in agriculture and natural resources (ANR)
- Science-based CC knowledge
- Mainstreamed CChAM in national and sub-national development plans
- Informed public and effective KM on CC in SEA



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CChAMP Components

- Research and Development
- Mainstreaming in Development Management
- Capacity Building and Knowledge Management
- Scholarships and Grants



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Research and Development

1. Seed fund for research and development activities focused on CC in SEA
2. Research projects on risk and vulnerability assessment and impacts of CC on agri-biodiversity
3. Policy studies on CC



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Mainstreaming in Development Management

- Special projects mainstreaming CChAM at regional, sub-regional, national, and sub-national levels
- Assistance to government institutions and other partners' projects addressing CChAM
- Assistance in experts database buildup



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Capacity Building and Knowledge Management

- Regional and national training programs and online courses on climate risks in ANR
- Regional CChAMP conferences, symposia, seminars, policy forums, and workshops related to ANR
- Information and resources on CC through KC3, publications, and other knowledge products



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Scholarships and Grants

- Dissertation grants addressing CC concerns
- Exchanges and cross visits of CC experts to enhance adaptation and mitigation measures in SEA
- Support for participation of graduate scholars and fellows to symposia, forums, and training courses related to CC



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Some SEARCA CCA Projects/Initiatives

1. Mainstreaming of CChAMP in Local Development Plans (EU-SEARCA Focused Food Production Assistance to Vulnerable Sectors)
2. KC3, a repository website on CCA in ANRM in SEA
3. EEPSEA-SEARCA Building Capacity to Adapt to CC: VA and Econ Analysis of Adaptation in Camb, Phil, Viet
4. IRRI-SEARCA Impact of CC on Phil Rice Sector



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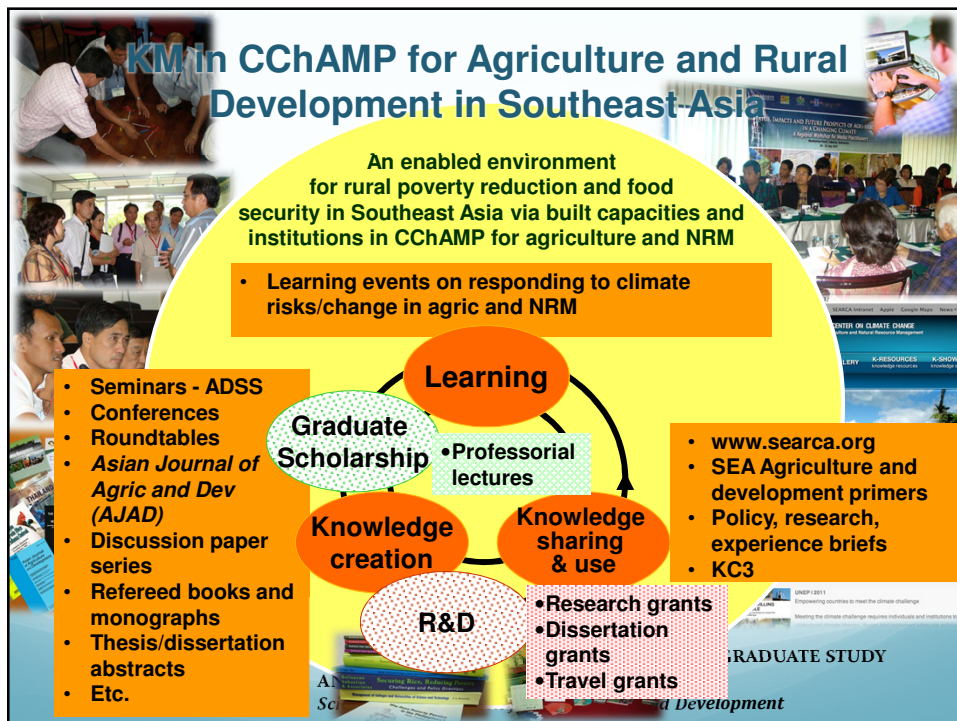
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5. Phil DA-BAR/SEARCA Capability Building on Responding to CC through R&D in Agriculture
6. Online Course on Responding to Climate Risks in ANRM in SEA
7. Residential int'l/regional learning events
 - a. International Training Course on Responding to Changing Climate: Knowledge-based Strategies for Managing Risks in Agricultural Production, Sep 2008, Nov 2009, Sep 2010
 - b. Study Tour/Writeshop on CChAM in Indonesia, Nov 2010
 - c. Environmental Leadership in CCA in SEA, 6-10 Feb 2012
 - d. Status, Impacts and Future Prospects of Agri-biotechnology in a Changing Climate: A Regional Workshop for Media Practitioners, 20-22 July 2011

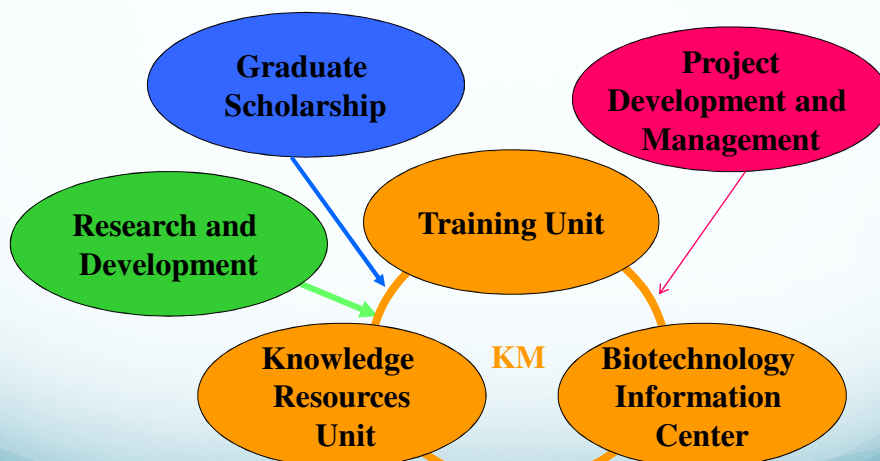


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KM Configuration at SEARCA



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SEARCA Vision: Towards K-sharing ARD Communities



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KM Users/Partners

- Higher education institutions in SEA
- Ministries of agriculture and environment/natural resources
- Other decision-makers, researchers and leaders/
champions: **in national and international public and private sector organizations, civil society, local governments, and peoples' organizations**



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KM in A/NRM for Responding to CC in SEA

1. Promoting a learning culture

- International Training on Responding to Changing Climate: Knowledge-based Strategies in Managing Risks in Agriculture and Environment
- Regional platform for K/L-sharing and solutions exchange
- Development of online offerings with mentoring on specific areas on CC adaptation: rice production, crop protection, soil conservation, aquaculture, local governance and community-based DRM, climate monitoring, weather insurance, etc.



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KM in A/NRM for Responding to CC in SEA

2. Promoting knowledge creation

- through platforms of knowledge sharing, reflection and synthesis
- Regional platform for peer mentoring and solutions exchange
 - Seminars
 - Knowledge events on Climate Change Adaptations in Agriculture and NRM in SEA
 - *Asian Journal of Agriculture and Development*
 - SEA Agriculture and Development Primers



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3. Promoting knowledge

use through capture, repackaging,
re-use via the **KC3**

K-harvesting to develop knowledge/
learning materials for easier regional
access to knowledge solutions via
KC3 website



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Knowledge Center on Climate Change Adaptation
in Agriculture and Natural Resource Management
in Southeast Asia

www.climatechange.searca.org




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- The **Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA)** is developing the **Knowledge Center on Climate Change Adaptation in Agriculture and Natural Resource Management (KC3)** to strengthen the capacity of Southeast Asians in climate change adaptation, specifically within the domains of agriculture and natural resource management.



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MAIN OBJECTIVE

- to track meaningful events of application/adoption of a technology or of a best practice applicable to Southeast Asia



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ONE-STOP SHOP ON CLIMATE CHANGE



- access to information and media materials
- science-based knowledge solutions/adaptation technologies
- best practices on climate change adaptation
- graduate scholarship
- fellowship
- research and development
- short-term training
- learning events (conferences, seminars, workshops, roundtable discussions, study tours)
- policy advocacy



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KC3 WEBSITE

KC3's main platform for knowledge sharing across the Southeast Asian region is its website,

www.climatechange.searca.org



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WEBSITE FEATURES

The KC3 website is a portal that not only stores SEARCA-generated information, but also allows contribution by a global community of knowledge on climate change vis-à-vis agriculture and natural resource adaptation.



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IN THE NEWS

Climate change adaptation and mitigation news and feature stories gathered from web feeds across Southeast Asia and from SEARCA's existing scholarly outputs, knowledge products, and learning events like seminars, workshops, conferences, training courses, roundtable discussions, and study tours implemented by SEARCA



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E-NEWS SERVICE

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IN THE NEWS

Asia Pacific could face climate-induced migration

Countries including India face the greatest risk from severe climate change, which could force millions of people to flee their homes and trigger environmental migration, according to an Asian Development Bank report.

The report titled "Climate Change and Migration in Asia and the Pacific" says Bangladesh, India, Maldives and Pakistan face the greatest risk, but Indonesia, the Philippines, Thailand, Vietnam, Japan, China and South Korea are also especially vulnerable. In 2010, the report says, more than 30 million in the region were displaced by environmental disasters such as storms and floods. [Read more...](#)

'Philippines needs to act versus climate change'

MANILA, Philippines – In the wake of substantial damage to agriculture and infrastructure from Typhoon Pedring estimated nearly P1 billion, the Climate Change Commission plans to discuss with local governments the potential economic impacts of disasters to communities.

"Climate change is not just about losing lives anymore. It has become an economic development issue," said Climate Change Commissioner Lucille Siring. [Read more...](#)



ANNOUNCEMENT

CALL FOR PAPERS
Programs and Activities on Migration and Adaptation to Climate Change: From Policy to Practice
Registration for the Creation of Resilient Society
16 - 17 December 2011
Tokyo, Japan

Provides KC3 updates to subscribers through an electronic newsletter redirecting the readers to the website for full content



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A repository of published reference materials and other knowledge products on climate change drawn from relevant online sources, local and international conferences, policy forums, and existing SEARCA publications related to climate change adaptation

KNOWLEDGE RESOURCES



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KNOWLEDGE SHOWCASES

Experience notes, reports and stories on good practices on climate change adaptation in Southeast Asia



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KC3 GALLERY

A collection of images and videos related to climate change

The photos are entries of Southeast Asian photographers in the annual SEARCA Photo Competition, while the videos are short features and documentaries linked from online sources.



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KC3 BULLETIN

Announcements on:

- upcoming activities and learning events in the region
- occasional Calls for Papers/Proposals
- opportunities for research or scholarship grants, fellowships
- project funding in climate change adaptation in agriculture and natural resource management

ANNOUNCEMENTS

CALL FOR PAPERS
International Conference on
Climate Change and Humanity
26-28 February 2012
Singapore
Deadline: 20 November 2011

UPCOMING EVENTS

**International Conference on
Tropical Forest amidst
Globalisation and Climate
Change (TFGCC 2011)**
29-30 November 2011
Serdang, Selangor, Malaysia

**International Conference on
Climate Change, Forest
Resource and Environment**
9 - 11 December 2011
Thiruvananthapuram, Kerala, India

**Reconciling food security,
biodiversity and multiple
ecosystem services in
agricultural landscapes**
Planet Under Pressure
28-29 March 2012
London, UK

OPPORTUNITIES

**Training on Environmental
Leadership in Climate Change
Adaptation for Southeast Asia**
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A contacts database of climate change experts, practitioners, activists and other climate change adaptation and mitigation enthusiasts

COMMUNITY DIRECTORY



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SEARCA can be found in Facebook
(www.facebook.com/seameo.searca)

while KC3 is in Twitter
(www.twitter.com/searca_kc3)



SOCIAL NETWORKING



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Way forward

1. Regional knowledge sharing conference-workshops/writeshops on CCA
2. Grants for action research, dissertations/theses and policy studies
3. Grants/support for knowledge packaging and sharing
4. Community and platform building support (SEARCA's KC3)
5. Training scholarships/grants for regional learning events – financing CCA, mainstreaming CChAM



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Thank you!
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