

**24<sup>th</sup> Annual Meeting of the Greater Mekong Subregion (GMS) Working Group on Environment (1 April 2019),**

**Consultation Workshop on GMS Climate Change and Environment Sustainability Program (CCESP) (1-2 April 2019), and**

**Consultation Workshop on GMS Sustainable Agriculture and Food Security Program (SAFSP) (3-4 April 2019)**

**Kunming, Yunnan, People's Republic of China**

**Background**

The 24<sup>th</sup> Annual Meeting of the GMS Working Group on Environment (WGE AM-24) will review the achievements of the GMS Core Environment Program Phase II and discuss the way forward. The WGE AM-24 will be followed by thematic discussions that will cover the proposed new programs entitled: "*GMS Climate Change and Environmental Sustainability Program (CCESP)*" and "*GMS Sustainable Agriculture and Food Security Program (SAFSP)*" which are aligned with three out of seven operational priorities of Strategy 2030 approved by the ADB Board in 2018.

The *CCESP* will focus on ADB Strategy 2030's operational priority: ***tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability***, while *SAFSP* will focus on ADB Strategy 2030's operational priority: ***promoting rural development and food security***. Both programs will support ADB Strategy 2030's operational priority: ***fostering regional cooperation and integration***.

**GMS Climate Change and Environment Sustainability Program (CCESP):**

The proposed knowledge and support technical assistance (TA) on CCESP will build on the key achievements of two phases of the Core Environment Program and support the implementation of the GMS Core Environment Program Strategic Framework and Action Plan 2018-2022, which was endorsed at the Fifth GMS Environment Ministers' Meeting held in 2018. The CCESP will focus on creating enabling conditions to leverage additional investment in priority areas such as (i) green technologies and sustainable infrastructure; (ii) natural resources and ecosystem services; and (iii) green growth, climate resilience and disaster risk management.

CCESP's key focus is to support countries in achieving environment and climate action-related Sustainable Development Goals (SDGs) and in implementing the Nationally Determined Contributions under the Paris Agreement on Climate Change. The proposed TA will assist GMS towards becoming a more integrated, prosperous, inclusive, resilient, and sustainable subregion by contributing to development of a greater number of "green and climate-friendly" projects in the GMS Regional Investment Framework (RIF).

The CCESP TA will have six themes to be implemented over a period of **5 years**:

1. Green technologies for climate action and environmental sustainability
2. Financing sustainable infrastructure and low-carbon, climate-resilient technologies
3. Pollution Control and Sustainable Waste Management
4. Climate-smart ecosystem landscapes
5. Decarbonization of agriculture, energy and transport sectors
6. Climate change adaptation and disaster risk management

### **GMS Sustainable Agriculture and Food Security Program (SAFSP)**

The proposed TA will build on accomplishments of the two phases of the Core Agriculture Support Program and support the implementation of *Strategy for Promoting Safe and Environment-Friendly Agro-Based Value Chains in the GMS and Siem Reap Action Plan*, which was endorsed by the GMS Agriculture Ministers in late 2017. The SAFSP interventions will focus on areas such as (i) climate-smart and gender-conscious agricultural value chains, (ii) food safety and quality, and (iii) water-food-energy nexus in a warming world (through the adoption of climate-friendly agricultural adaptation practices and technologies).

SAFSP will focus on ADB's value addition in advancing the use of advanced digital technologies, leveraging investments and applying integrated solutions on the safe, environment and climate-friendly agro-based value chains in the GMS. The TA will assist GMS towards becoming a more integrated, prosperous, inclusive, resilient and sustainable subregion, by focusing on principles such as "food safety for all, climate-friendly agriculture, inclusiveness of small farmers, gender empowerment, corporate social responsibility, good governance, benefits for all GMS countries, and integration with ASEAN".

The SAFSP will have the following themes to be implemented over **5 years**:

1. Greening of agribusiness supply chains
2. Inclusive and gender-conscious food value chains
3. Financing climate-friendly agribusinesses
4. Food safety and quality standards, certification and traceability
5. Cross-border animal health and value chain development
6. Water for food security in a changing climate
7. Agricultural adaptation in the context of water-food-energy nexus

## Agenda

**Day 1: 1 April 2019 (Monday):**

### 24<sup>th</sup> Annual Meeting of the GMS Working Group on Environment (WGE AM-24)

Time	Description
8:30 – 9:00	Registration
9:00 – 10:00	<p><b>Opening Session</b></p> <ul style="list-style-type: none"> <li>• Welcome remarks               <ul style="list-style-type: none"> <li>○ Yu Lifeng, Deputy Director General, International Environmental Cooperation Center, Ministry of Ecology and Environment (MEE), People’s Republic of China (PRC)</li> <li>○ Jiangfeng Zhang, Director, Environment, Natural Resources and Agriculture Division, Asian Development Bank (ADB)</li> </ul> </li> <li>• Opening remarks by heads of delegation               <ul style="list-style-type: none"> <li>○ Khieu Borin, Ministry of Environment (MOE), Cambodia</li> <li>○ Souksamone Pathammavong, Ministry of Natural Resources and Environment (MONRE), Lao PDR</li> <li>○ Soe Naing, Ministry of Natural Resources and Environmental Conservation (MONREC), Myanmar</li> <li>○ Rungnapar Pattanavibool, Ministry of Natural Resources and Environment (MONRE), Thailand</li> <li>○ Kim Thi Thuy Ngoc, Ministry of Natural Resources and Environment (MONRE), Viet Nam</li> </ul> </li> </ul>
10:00 – 10:30	Group photo and coffee break
10:30 – 12:30	<p><b>Main Session: Review of Program Achievements and the Way Forward</b></p> <p>Chair: Wang Xin, PRC Co-Chair: Jiangfeng Zhang, ADB</p> <ul style="list-style-type: none"> <li>• Accomplishments of the Core Environment Program Phase II – <i>Sumit Pokhrel, Climate Change and Environment Technical Lead (ADB Consultant), GMS Environment Operations Center (EOC)</i></li> <li>• Proposed GMS Climate Change and Environmental Sustainability Program – <i>Srinivasan Ancha, Principal Climate Change Specialist, ADB</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Khieu Borin, MOE, Cambodia</li> <li>• Chen Zhihua, MEE, PRC</li> <li>• Souksamone Pathammavong, MONRE, Lao PDR</li> <li>• Soe Naing, MONREC, Myanmar</li> <li>• Rungnapar Pattanavibool, MONRE, Thailand</li> <li>• Kim Thi Thuy Ngoc, MONRE, Viet Nam</li> </ul>
12:30 – 13:30	<b>Lunch and Networking</b>

**Day 1: 1 April 2019 (Monday): Consultation Workshop on**

**GMS Climate Change and Environmental Sustainability Program (CCESP)**

Time	Description
13:30-15:00	<p><b>Session 1: Green Technologies for Climate Action and Environmental Sustainability</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Sumit Pokhrel, GMS EOC (ADB Consultant)</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Loeung Kesaro, MOE, Cambodia</li> <li>• Zhong Bo, Institute of Remote Sensing and Digital Earth Chinese Academy of Sciences, PRC</li> <li>• Mai Van Trinh, Institute of Agricultural Environment, Viet Nam</li> <li>• Jeevanandhan Duraisamy, Climate Smart Technologies Private Limited, India</li> <li>• Jonathan Gilman, UN Environment, Thailand</li> <li>• Jacob Park, Green Mountain College, USA</li> </ul>
15:00-15:30	<p><b>Coffee Break and Networking</b></p>
15:30 – 17:00	<p><b>Session 2: Financing Sustainable Infrastructure and Low-Carbon, Climate-Resilient Technologies</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Jacob Park, Green Mountain College, USA (ADB Consultant)</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Tang Huaqing, MEE, PRC</li> <li>• Mel Sophea, National Council for Sustainable Development, Cambodia</li> <li>• Kim Thi Thuy Ngoc, Institute of Strategy and Policy on Natural Resources and Environment, Viet Nam</li> <li>• Chanthaly Chansompheng, Ministry of Planning and Investment, Lao PDR</li> <li>• Jonathan Gilman, UN Environment, Thailand</li> <li>• Kewal Thapar, India</li> </ul>
19:00 – 21:00	<p>Welcome dinner hosted by the Ministry of Ecology and Environment, PRC</p>

**Day 2: 2 April 2019 (Tuesday): Consultation Workshop on**

**GMS Climate Change and Environmental Sustainability Program (CCESP) Contd.**

Time	Description
8:30 – 9:00	Registration and Networking
9:00 – 10:30	<p><b>Session 3: Pollution Control and Sustainable Waste Management</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Srinivasan Ancha and Alvin Lopez, ADB</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Teng Jingjie, MEE, PRC</li> <li>• E Vuthy, National Council for Sustainable Development, Cambodia</li> <li>• Somsanouk Phommakhot, MONRE, Lao PDR</li> <li>• Soe Naing, MONREC, Myanmar</li> <li>• Li Ting, Guangxi Bossco Environmental Protection Technology Co., Ltd., PRC</li> <li>• Yuyang Gong, ESD Group Limited, PRC</li> </ul>
10:30-11:00	<b>Coffee Break</b>
11:00 – 12:30	<p><b>Session 4: Climate-Smart Ecosystem Landscapes</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Jiao Xi, Climate Change and Biodiversity Specialist (ADB Consultant)</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Khieu Borin, MOE, Cambodia</li> <li>• Lin Weidong, Guangxi Environmental Protection Department, PRC</li> <li>• Songtam Suksawang, MONRE, Thailand</li> <li>• Lixin Yang, Center of Biodiversity and Indigenous Knowledge, PRC</li> <li>• Le Xuan Canh, Biodiversity Specialist, Viet Nam</li> </ul>
12:30 – 13:30	<b>Networking Lunch</b>

Time	Description
13:30 – 15:00	<p><b>Session 5: Decarbonization of Agriculture, Energy &amp; Transport Sectors</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Srinivasan Ancha, ADB</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Nguyen Thanh Dam, Ministry of Agriculture and Rural Development, Viet Nam (Agriculture)</li> <li>• Chai Qimin, MEE, PRC (Energy)</li> <li>• Chutinthon Mankhong, Ministry of Transport, Thailand (Transport)</li> <li>• Boyong Wang, Smart Freight Centre, PRC</li> <li>• Venkatachalam Anbumozhi, Economic Research Institute for ASEAN and East Asia, Indonesia</li> <li>• Yuqing Yu, Institute for Global Environmental Strategies, Japan</li> </ul>
15:00-15:30	<p><b>Coffee Break</b></p>
15:30 – 17:00	<p><b>Session 6: Climate Change Adaptation and Disaster Risk Management</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Takeshi Takama, SU-RE-CO, Indonesia (ADB Consultant)</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Vichet Ratha Khlok, MOE, Cambodia</li> <li>• Malabou Baylatry, MONRE, Lao PDR</li> <li>• Ni Ni Thin, MONREC, Myanmar</li> <li>• Nguyen Dinh Dung, MONRE, Viet Nam</li> <li>• Xu Ximeng, Chinese Research Academy of Environmental Sciences, PRC</li> <li>• Venkatachalam Anbumozhi, Economic Research Institute for ASEAN and East Asia, Indonesia</li> </ul>
17:00-17:20	<p>Update on the GMS Regional Investment Framework and Hanoi Action Plan—<i>Rhodora Concepcion, Senior Regional Cooperation Specialist, ADB</i></p>
17:20-17:30	<p><b>Closing Session:</b></p> <p>Wrap up – <i>Srinivasan Ancha, Principal Climate Change Specialist, ADB</i></p>

**Day 3: 3 April 2019 (Wednesday): Consultation Workshop on  
GMS Sustainable Agriculture and Food Security Program (SAFSP)**

Time	Description
8:30 – 9:00	Registration
9:00 – 10:30	<p><b>Main Session: Review of Program Achievements and the Way Forward</b></p> <p>Chair: Jiangfeng Zhang, ADB</p> <ul style="list-style-type: none"> <li>• Core Agriculture Support Program (CASP) Phase II achievements — <i>Lourdes Adriano, Lead Agriculture Specialist (ADB Consultant)</i></li> <li>• Proposed GMS Sustainable Agriculture and Food Security Program (SAFSP) – <i>Srinivasan Ancha, Principal Climate Change Specialist, ADB</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• San Vanty, Ministry of Agriculture, Forestry and Fisheries (MAFF), Cambodia</li> <li>• Zhu Zidong, Ministry of Agriculture and Rural Affairs (MARA), PRC</li> <li>• Samlan Paseuthkhamla, Ministry of Agriculture and Forestry (MAF), Lao PDR</li> <li>• Than Than Htay, Ministry of Agriculture, Livestock and Irrigation, (MOALI), Myanmar</li> <li>• Preyanat Thiabratana, Ministry of Agriculture and Cooperatives (MOAC), Thailand</li> <li>• Nguyen Thanh Dam, Ministry of Agriculture and Rural Development (MARD), Viet Nam</li> </ul>
10:30-11:00	<b>Coffee Break</b>
11:00 – 12:30	<p><b>Session 1: Greening of Agri-food Supply Chains</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Jeevanandhan Duraisamy, Climate Smart Technologies Private Limited, India (ADB Consultant)</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Khampong Vongphachan, MAF, Lao PDR</li> <li>• Su Youbo, Yunnan Tianzhi Honngeng Technology Co. Ltd., PRC</li> <li>• Vincent Martin, FAO, Beijing, PRC</li> <li>• Lourdes Adriano, Philippines</li> </ul>
12:30 – 13:30	<b>Networking Lunch</b>

Time	Description
13:30 – 15:00	<p data-bbox="431 243 1321 275"><b>Session 2: Inclusive and Gender-Conscious Food Value Chains</b></p> <ul data-bbox="480 321 1052 390" style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Srinivasan Ancha, ADB</i></li> </ul> <p data-bbox="431 436 613 468"><b>Discussants:</b></p> <ul data-bbox="480 478 1365 709" style="list-style-type: none"> <li>• Samlan Paseuthkhamla, MAF, Lao PDR</li> <li>• Yu Yu Than, MOALI, Myanmar</li> <li>• Roeun Chantha, Internal Organization Affair Office, Cambodia</li> <li>• Su Youbo, Yunnan Tianzhi Honngeng Technology Co. Ltd., PRC</li> <li>• Nguyen Thi Yen, CARE Viet Nam</li> <li>• Apichai Thirathon, Thailand</li> </ul>
15:00-15:30	<p data-bbox="431 762 613 793"><b>Coffee Break</b></p>
15:30 – 17:00	<p data-bbox="431 810 1187 842"><b>Session 3: Financing Climate-Friendly Agribusinesses</b></p> <ul data-bbox="480 888 1287 993" style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Kewal Thapar, Agribusiness Financing Specialist (ADB Consultant)</i></li> </ul> <p data-bbox="431 1039 613 1071"><b>Discussants:</b></p> <ul data-bbox="480 1117 1284 1270" style="list-style-type: none"> <li>• Pen Thirong, Ministry of Economy and Finance, Cambodia</li> <li>• Sumiva Viengkeo, Ministry of Finance, Lao PDR</li> <li>• Jacob Park, Green Mountain College, USA</li> <li>• Lu Chunming, Yunnan Agricultural University, PRC</li> </ul>
19:00 – 21:00	<p data-bbox="431 1329 721 1360">Dinner hosted by ADB</p>

**Day 4: 4 April 2019 (Thursday): Consultation Workshop on**

**GMS Sustainable Agriculture and Food Security Program (SAFSP) (Cont.)**

<b>Time</b>	<b>Description</b>
8:30 – 9:00	Registration
9:00 – 10:30	<p><b>Session 4: Food Safety and Quality Standards, Certification and Traceability</b></p> <ul style="list-style-type: none"><li>• Setting the context, issues, and priorities<ul style="list-style-type: none"><li>— <i>Yifan Jiang, Food Industry Asia, Singapore</i></li></ul></li></ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"><li>• San Vanty, MAFF, Cambodia</li><li>• Nguyen Thanh Dam, MARD, Viet Nam</li><li>• Wang Luxiang, Yunnan Academy of Agricultural Sciences, PRC</li><li>• Patrik Jonasson, GS 1 Global</li><li>• Vichelle Roaring-Arunsuwannakorn, Thailand</li></ul>
10:30-11:00	<b>Coffee Break</b>
11:00 – 12:30	<p><b>Session 5: Cross-border Animal Health and Value Chain Improvement</b></p> <ul style="list-style-type: none"><li>• Setting the context, issues, and priorities<ul style="list-style-type: none"><li>— <i>Thomas Weaver, Livestock Health Specialist (ADB Consultant)</i></li></ul></li></ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"><li>• Suon Sothoeun, MAFF, Cambodia</li><li>• Syseng Khounsy, MAF, Lao PDR</li><li>• Supalak Prabsriphum, MOAC, Thailand</li><li>• Vincent Martin, FAO, Beijing, PRC</li><li>• Yang Shibiao, Yunnan Animal Science and Veterinary Institute, PRC</li><li>• Patrik Jonasson, GS1 Global</li><li>• Zhidong Zhang, CAAS, PRC</li></ul>
12:30 – 13:30	Lunch

Time	Description
13:30 – 15:00	<p><b>Session 6: Water for Food Security in a Changing Climate</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Nguyen Huong Thuy Phan, Graduate Institute of International and Development Studies, Viet Nam (ADB Consultant)</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Chann Sinath, Ministry of Water Resources and Metrology, Cambodia</li> <li>• Nguyen Van Manh, MARD, Viet Nam</li> <li>• Thi Thi Soe Min, MONREC, Myanmar</li> <li>• Mai Van Trinh, Institute of Agricultural Environment, Viet Nam</li> <li>• Huang Feng, China Agricultural University, PRC</li> <li>• Kim Geheb, Mekong Region Futures Institute, Thailand</li> </ul>
15:00-15:30	<p><b>Coffee Break</b></p>
15:30 – 17:00	<p><b>Session 7: Agricultural Adaptation in the context of Water-Food-Energy Nexus</b></p> <ul style="list-style-type: none"> <li>• Setting the context, issues, and priorities — <i>Kim Geheb, Mekong Region Futures Institute, Thailand</i></li> </ul> <p><b>Discussants:</b></p> <ul style="list-style-type: none"> <li>• Phengvichith Vanthong, MAF, Lao PDR</li> <li>• Nguyen Dinh Dung, MONRE, Viet Nam</li> <li>• Nguyen Thi Yen, CARE Viet Nam</li> <li>• Kunming Hasfarm, PRC (tbc)</li> <li>• Houn Thavrak, Royal University of Agriculture, Cambodia</li> <li>• Apichai Thirathon, Agriculture Specialist, Thailand</li> </ul>
17:00 – 17:30	<p><b>Closing Session:</b></p> <p>Wrap up – <i>Srinivasan Ancha, Principal Climate Change Specialist, ADB</i></p>