



**Asia-Pacific
Economic Cooperation**

2017/SOM1/EPWG/017

Agenda Item: 7.1.1

**Brief introduction on the Initiative to Live with the
New Normal: Enhancing APEC's Coastal Deltas to
Live More Resilience with 'New Normal' by Fostering
Science Technology Innovation**

Purpose: Information
Submitted by: Viet Nam



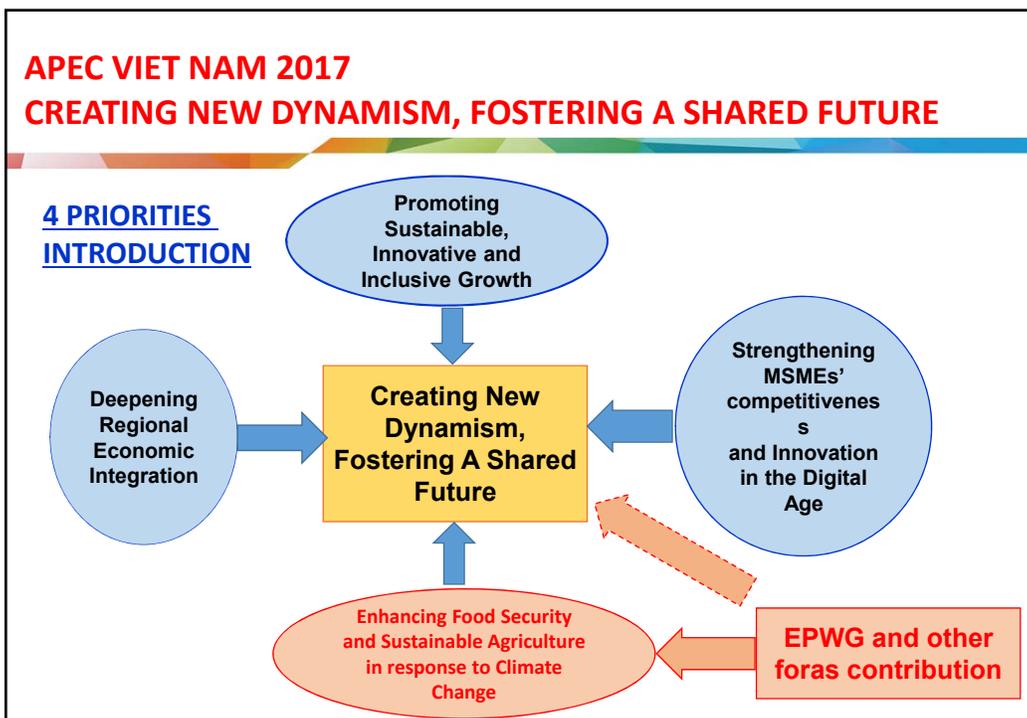
**11th Emergency Preparedness Working Group
Meeting
Nha Trang, Viet Nam
18-19 February 2017**

  **THE 11st EMERGENCY PREPAREDNESS WORKING GROUP MEETING**
Feb 18-19, 2017, Nha Trang- VIETNAM.

Brief introduction on the initiative to live with
"NEW NORMAL"

Enhancing APEC's coastal deltas to live more
resilience with 'New normal' by fostering Science
Technology innovation

Proposed by VIETNAM



“NEW NORMAL” and forwarding Activities since 2015

- Most APEC economies are situated in the Pacific Ring of Fire, where strong earthquakes, tsunamis, and volcanic eruptions pose constant threats.
- 2015 March: Sendai Framework for Disaster Risk Reduction (SFDRR) 2015-2030:
 - Recognizes the significant role of regional cooperation in addressing the threat of the "new normal"
- 2015: APEC DISASTER RISK REDUCTION FRAME WORK
 - “New normal”:
 - The increasing frequency, magnitude and scope of natural disasters;
 - The resultant disruption on the increasingly integrated and interlinked production and supply chains.
 - Contribute to adaptive and disaster-resilient Asia-Pacific economies that can support inclusive and sustainable development in the face of disasters and the “new normal”.

“NEW NORMAL” and forwarding Activities (2)

- 2016-2017: Drafting EPWG Strategic Plan 2017 – 2020:
 - Enhancing regional capacity on disaster risk reduction and emergency preparedness
 - Promoting public-private partnerships to develop joint disaster preparedness actions and build up disaster resilience;
 - Supporting recovery processes in disaster affected economies through long-term development approach;
 - Facilitating sharing of information, knowledge, expertise, best practices and experience learned from disasters.

WHY COASTAL DELTAS NEED RESILIENCE ?

disasters in deltas:

- more frequent
- higher

QuangNinh, VN

China, 2016 Meranti storm

Hoi An, VN

EPWG 2017: Initiative to live with “New Normal”: Enhancing coastal deltas to live more resilience with ‘New normal’

- **Why Deltas need resilience?**
- Most of people gather to live in delta urban areas: more vulnerable;
- Infrastructures have been constructed in coastal deltas; Money spent on reconstruction is lost to economic development; Time to recover is long;
- Disasters and floods in urban deltas are not receiving enough attention; urban deltas are at the front line in the battle to adapt to climate change.

“More than a billion people – most of them in Asia – live in low-lying coastal regions. During the course of this century some of these areas could be inundated by rising sea levels. The inhabitants will be forced to find ways of coping with the water or to abandon some areas altogether.” (WORLD OCEAN VIEW)

“Vietnamese government report said that more than one-third of the Mekong delta, where 17 million people live and nearly half the country’s rice is grown, could be submerged if sea levels rise by three feet in the coming decades”. (Fact about CC, 2009)

22 Million People Displaced by Natural Disasters in 2013

People displaced by natural disasters worldwide

Year	Total Displaced (m)
2008	36.5
2009	16.7
2010	42.4
2011	15.0
2012	32.4
2013	21.9

Source: Internal Displacement Monitoring Centre

Delta Coalitions (2013)

Disaster Type	Number of People Displaced (m)
Total	21.9
Storm	14.2
Flood	6.2
Earthquake	1.2
Extreme temperature and wildfire	102,000
Landslide	51,000

Countries worst affected in 2013:

Country	People Displaced (m)
Philippines	7.23
China	5.42
India	2.14
Bangladesh	1.16
Vietnam	1.04

EPWG 2017: The needs to foster Science Technology Innovation

What can Science Technology can help deltas to live more resilience?

1. Leveraging the activities on natural disaster prevention and control to reduce the disaster risk for people and properties to ensure sustainable socio-economic development adapting to climate changes – **More DEVELOPMENT RESILIENCE.**
2. Strengthening disaster governance, building plans and disaster management activities mainstreaming science- based, community-based, ecosystem-based to effective disaster response in a systematic and integration approach- **GOVERNANCE for more RESILIENCE.**
3. Encouraging and promoting regional cooperation, innovation on scientific and technological researching and applying in order to respond effectively to disasters happen continuously/simultaneously to ensure food security and sustainable agriculture adapting with climate changes- **COOPERATION for more RESILIENCE.**
4. Promoting the participation of stakeholders to regional collaboration on disaster risk reduction, specially on building up/ensuring the resilience coastal deltas to “new normal” –**SHARING RESPOSIBILITIES for more RESILIENCE .**

Initiative to live with “New Normal”: Science Technology-based coastal Deltas resilience to ‘New Normal’

- **Purpose:**
 - To build up a integrating plans for coastal deltas to live resilience with NEW NORMAL by promoting public-private involvement and investment in related sectors for disaster risk reduction;
 - Create cohensive regional-linkage and capacity building on disaster risk reduction by fostering Science Technology application;
 - Create best practise to share among APEC’s economies and other organisation.
- **Main activities:**
 - Building up science technology program promoting research and application for natural disaster management in coastal area;
 - Proposing relevant projects focusing on applying space, settelite technology to disaster mornitoring; short-time, middle-time, long-time, real time forecasting; call for publi-private partnership.
 - Building up pilot early waning/alarming system along the coastal for specific disaster, such as storm, flood, tsunami, bank erosion,etc...
 - Promote researches on new materials, especially local material for infrastucture construction; propose list of standards/safety procedure need to increasing resilience to new normal;

EPWG 2017: Initiative to live with “New Normal”: Science Technology-based coastal Deltas resilience to ‘New Normal’

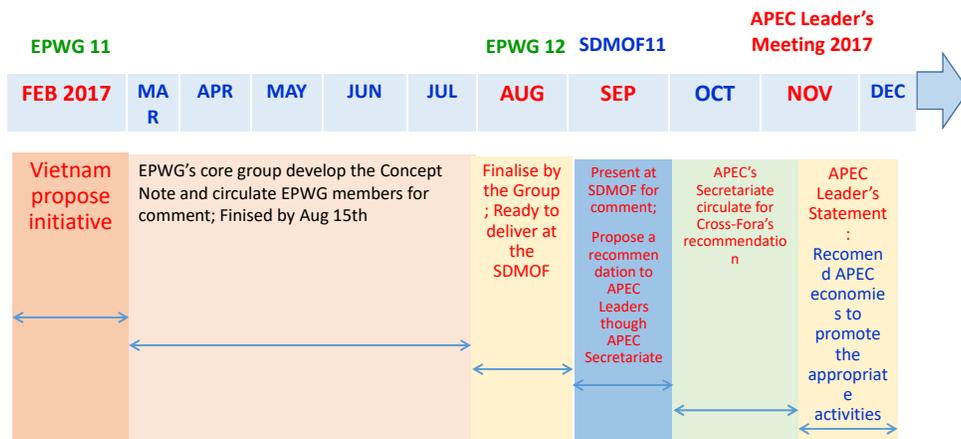
- **Main activities (continue):**
 - Propose regional-cooperation program (multilateral / bilateral) to natural disaster reduction on deltas.
 - Recommendation to build up and mainstream standards/regulation that ensuring safety condition to new infrastructure to disaster but still ensuring not creating new risks.
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- **Follow up:**
 - Need volunteers as a EPWG’s core-group to develop/so-sponsor the Concept note: Finished the 1st Draft before next EPWG Meeting (August, 2017);
 - Present the concept note to SDMOF11 for more comments from senior officials in disaster reduction;
 - Submit the Concept note for recommendation in Apec’s Leader statement at the end of the year 2017;
 - Plan Endorsement and circulate member economies.
 - Encourage/call for donors and partnership using initiative.

EPWG 2017: Mainstreaming to EPWG’s activities

- Hold 11th PWG Meeting in Nha Trang, Viet Nam 18-19 February;
 - Contribute EPWG recommendation to CAN THO’s Ministerial Meeting statement on enhancing Food Security and Sustainable Agriculture in Response to CCs.
 - Initiative to live with “New Normal”;
- Hold 12th Emergency Preparedness Working Group Meeting in Ho Chi Minh City in August;
 - Draft Concept Note on APEC’s coastal deltas resilience to ‘New normal’ by fostering Science Technology innovation;
 - Update the APEC DRR Action Plan based on the activities throughout 2017.
- Hold 11th Senior Disaster Management Officials Forum in Vinh, Viet Nam on 21-22 September focusing on advanced science and technology;
 - Finish the Concept Note on APEC’s coastal deltas resilience to ‘New normal’ by fostering Science Technology innovation;
 - Submit the recommendation to APEC Leader’s meeting on fostering Science Technology innovation for APEC’s coastal deltas resilience to ‘New normal’.
- Others:
 - Work Plan 2017 for APEC Emergency Preparedness Capacity Building Center (EPCC);
 - Kick off meeting in March, 2017 (VN and JP in Kobe) as the first phase of BBB Project;
 - Workshop on “Enhancing Rural Disaster Resilience through Effective Infrastructure Investment” before SDMOF in September;
 - Casebook as the outcome of the above mentioned Project;

EPWG 2017: Initiative to live with “New Normal” in APEC’s coastal deltas:
 The needs for urban and rural resilience in deltas

• Time line 2017:






THE 11st EMERGENCY PREPAREDNESS WORKING GROUP MEETING

THANK YOU FOR YOUR ATTENTION!

COMMENTS AND SUGGESTION, PLEASE!