



ASEAN VINYL
COUNCIL

AVC Progress Report 2018

PVC Pipe Performance and Sustainability Forum

15 Aug 2018 – Manila

17 Aug 2018 – Bangkok

20 Aug 2018 – Hanoi

21 Aug 2018 – Ho Chi Minh

Ms. Jirawadee Pipattanatornkul
General Manager
ASEAN Vinyl Council Association



ASEAN VINYL
COUNCIL

VISION

"PVC is the most Sustainable,
Environmental-Friendly and Safe-to-Use
Commodity Plastic in the ASEAN Community."





MISSIONS

- We commit to use World Class Production practices and adhere to **Best Available Technology** to preserve our environment.
- We shall **create and promote uniform standards** within the ASEAN community.
- We shall **partner with all players in the Vinyl value chain to develop sustainable production, distribution and recycling schemes** in the markets where we operate.
- We shall be **responsible actors of our local society**, by participating in education programs that will highlight the value of Vinyls for the current and future generations.



ASEAN VINYL
COUNCIL

MEMBERS

- 9 Ordinary Members - resin producers



- 4 Associated Members - additives producers





ACTIVITIES

Resin

1. Voluntary Commitment - Environmental Standard
2. Safety Issue

Stabilizer

3. Voluntary Commitment – Lead Replacement

Communication

Plasticizer

4. Advocacy

Product

5. National Standard
6. Eco-label
7. Recycle
8. Life Cycle Assessment



ASEAN VINYL
COUNCIL

Voluntary Commitment

Our commitment

“AVC members commit that its environmental impact shall be precisely measured, monitored and reduced to meet reference targets and timeframes, which will be determined periodically by the AVC Steering Committee”

-- AVC Charter signed on 17 November 2010

- Resin producer members agreed to develop **Environmental Standard for PVC production**

Environmental Standards for PVC Production (Suspension Process)

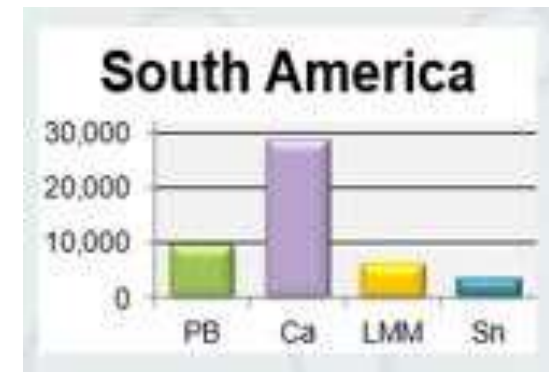
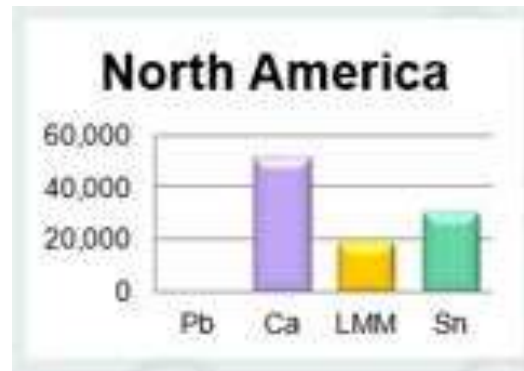
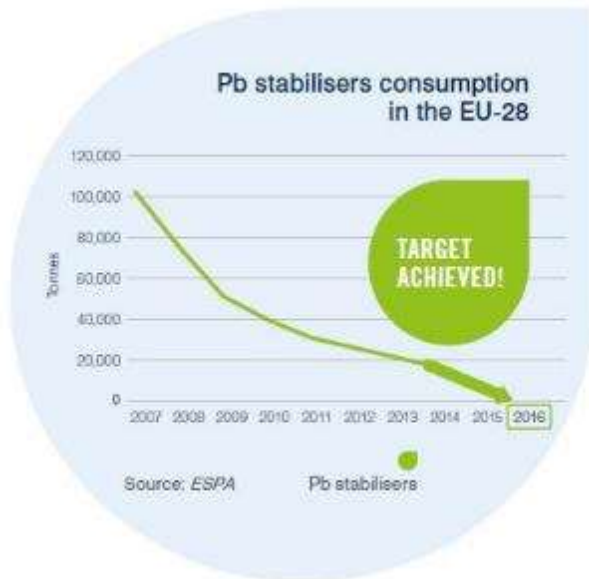
(Ref. European Council of Vinyl Manufacturer Charter)

1. Total VCM-emission from PVC-production
2. VCM-concentration in aqueous effluents
3. VCM-concentration in final regular product



Voluntary Commitment

- Stabilizer producer members agreed to **replace stabilizer to non-lead system** by:-
 - Share information on the sustainability trend of stabilizer for vinyl industry to converters
 - Support converters on the technical issue of the replacement
 - The replacement is for health safety and environmental aspect





National Standard


- Working with finish goods producers to raise product awareness by producing the product with standard quality
- Co-development with National Standard body to revise or develop standard

Country	Standard	Status
Indonesia	PVC resin (revised)	Announcement in 2018
Malaysia	PVC resin (revised)	Announcement in 2012
Philippines	PVC pipe for water supply (revised)	In process
Thailand	PVC pipe for drinking water (revised)	Waiting for announcement in 2018
	Window (revised)	Kick-off in September 2018
	PVC fitting (revised)	Kick-off in 2019



Eco-label

- To support Green Public Procurement Policy (GPP) and Green Building

Country	Criteria
Thailand 	<p>UPVC pipes for drinking water* UPVC pipes not used for drinking water (electrical conduit and water supply) Fitting Electric and communication cables</p> <p>Plastic floor-covering* Doors and Windows Wood-like plastic Furniture Wall-covering Carpet Footwear</p> <p><i>*some producers have received certification.</i></p>



ASEAN VINYL COUNCIL

Eco-label






THAILAND Green Public Procurement Policy

แผนส่งเสริมการจัดซื้อจัดจ้างสินค้าและบริการ ที่เป็นมิตรกับสิ่งแวดล้อม



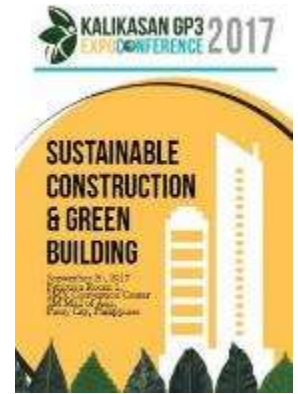
www.pcd.go.th

Eco-label

Country	Criteria
<p>Malaysia</p> 	<p>Plastic piping system</p>
<p>Singapore</p> 	<p>Pipes and fittings for portable water Plastic Door Flooring Cable</p>
<p>Philippine</p> 	<p>Plastic furniture <i>PVC pipes (drafting) - under discussion of Technical Committee</i></p>

PHILIPPINES: Expo and Conference

- AVC presented “Regional Vinyl Industry Initiative to Improve Environmental Performance of Construction Products”



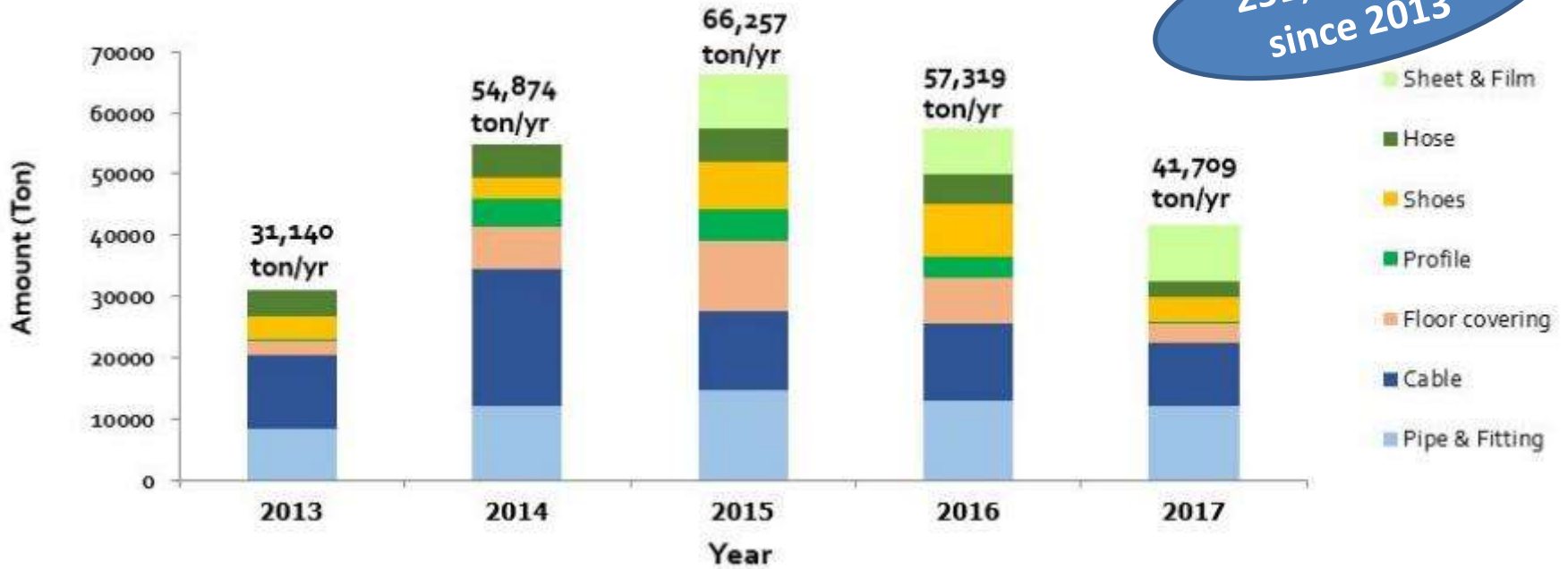
- Exhibited the PVC products





Recycle

Amount of Recycling PVC (post-consumer waste) in Thailand



Life Cycle Assessment

THAILAND

- Report: **Life Cycle Assessment Study of PVC Pipe and Fitting in Thailand** was completed in June 2013 by The Petroleum and Petrochemical College, Chulalongkorn University



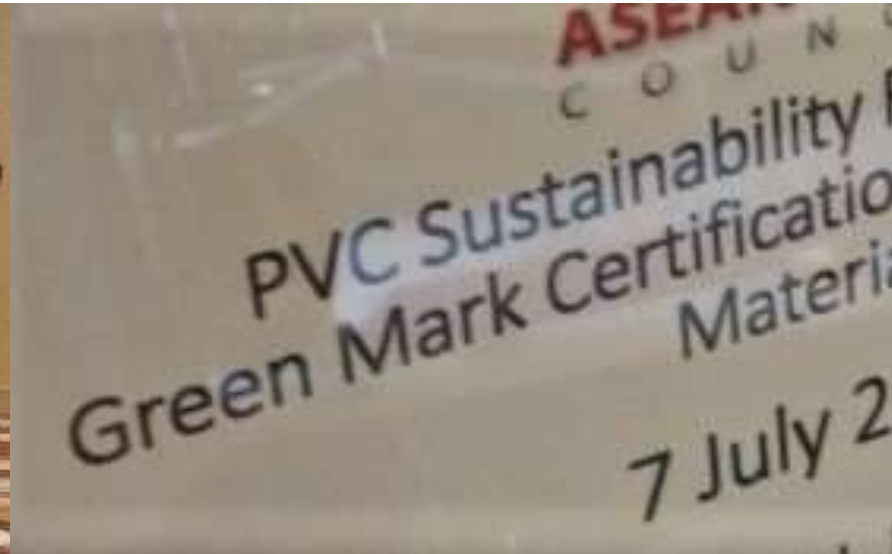
PHILIPPINES

- The study **Life Cycle Analysis Of PVC pipes and fittings for water systems in the Philippines** is under peer review, the report is expected to complete in end of 2018.



ASEAN VINYL
COUNCIL

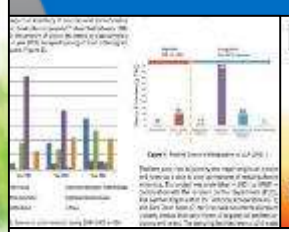
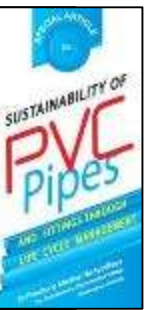
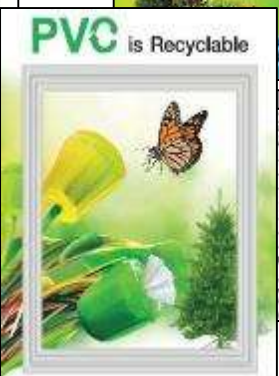
Communication





Communication

ASEAN VINYL COUNCIL



Home / Download / Seminar handout

Seminar handout

- Moving Forward for Sustainability PVC products, 23 November 2017, Jakarta, Indonesia
 1. LCA-PVC Forum Indonesia 2017-final
 2. PVC-MFA-AVC PITH presentation
- TIS 17-25xx PVC pipe for drinking water pipe, 19 February 2018, Bangkok, Thailand
 1. AVC Progress_seminar_19.02.2018
 2. TISI-PVC-U PIPE (rev.1)-AVC_seminar_19.02.2018



ASEAN VINYL
COUNCIL

Communication

Evaluation Form

PVC Pipe Performance and Sustainability Forum 2018

xx August 2018

City, Country

*Your feedback is critical for the Council. Please take a few minutes to share your opinions with us so
WE CAN serve you BETTER*

4. Suggestion(s)

Topic, Content: I am interested / concerned with:



ASEAN VINYL
COUNCIL

Collaboration for PVC Sustainability in ASEAN

