

Side Event at Japan Pavilion  
COP22

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*CAN PRIVATE SECTOR LEAD THE WAY?  
-The way forward addressing climate change adaptation-*

# Sharing Experience from Business Perspective

Masakazu Murakami, D.V.M.  
Sumitomo Chemical Co., Ltd.



**Responsible Care**<sup>®</sup>  
OUR COMMITMENT TO SUSTAINABILITY

# Net Sales FY2015 Total : JPY 2,102billion



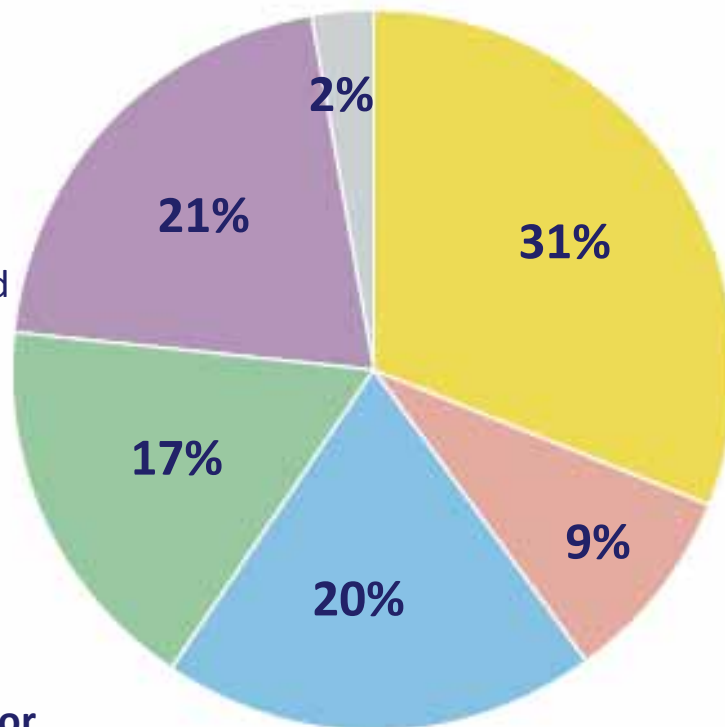
## Pharmaceuticals Sector

Supporting people's health and bettering their lives on a daily basis.



## Health & Crop Sciences Sector

Contributing to the stable supply of more abundant, sustainable food as well as to people's health.



## Petrochemicals & Plastics Sector

Providing basic petrochemical Feedstock and synthetic resins that help realize abundance and prosperity while supporting people's lives.



## Energy & Functional Materials Sector

Helping to resolve environmental, energy, and other global-scale issues through functional materials.



## IT-related Chemicals Sector

Responding to an IT society that is becoming increasingly more sophisticated with cutting-edge technologies.

## Contributions of the chemical industry as “Solutions Provider” for Sustainable Society

### ◆ Creating a low-carbon society (environment, energy)

CO<sub>2</sub> reduction potential through by using our products

Quantification of contribution by c-LCA (\*ICCA)

### ◆ Water/Food

Securing water supply for living to address the water stress issue

Agricultural chemicals/fertilizers to help secure food production

### ◆ Health

Pharmaceuticals, medical equipment, vector control chemicals

\*ICCA: The International Council of Chemical Associations

## Contribution of Chemical industry for Adaptation (Examples)

### 1. Water Supply

- Desalination of sea water (membrane)
- Materials for irrigation

### 2. Food

- Draught resistant plants/Chemicals

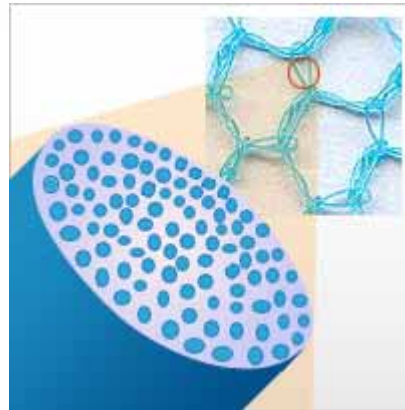
### 3. Prevention of infectious diseases

- LLIN (Olyset Net)
- Vector Control Chemicals

# Olyset™ Net



In contrast to previous polyester mosquito nets, Olyset™ Net is made from polyethylene, with thicker, more durable fibers.



Olyset™ Net retains insecticidal efficacy for over five years even with repeated washings because the insecticide migrates to the surface of the fibers gradually through controlled release technology.

## Preventing Malaria

A Long-Lasting Insecticidal Mosquito Net to protect people from malaria-carrying mosquitoes.



**3 GOOD HEALTH AND WELL-BEING**

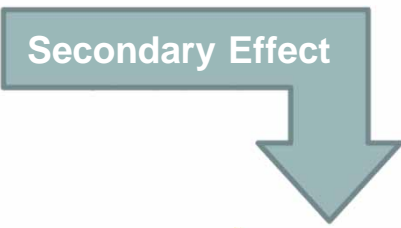


Reduce Maternal and Infant Infection and Mortality

**13 CLIMATE ACTION**



Strengthen Adaptive Capacity to Climate-Related Expansion of Infectious Diseases



**2 ZERO HUNGER**




Improve Nutrition for Children

**4 QUALITY EDUCATION**

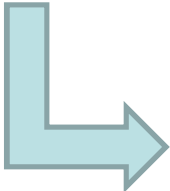


Increase the Number of Children who Receive Education

**8 DECENT WORK AND ECONOMIC GROWTH**



Generate Employment through Local Production



**1 NO POVERTY**



Decrease Poverty

## Challenges facing Olyset Net

1. LLIN has become a Commodity.
  - New Suppliers in a Market
  - Concerns in their Quality
  - Concerns in Sustainability of Business
2. Insecticide-Resistant Mosquitos
  - Need to Develop new generation LLIN



# Innovation and Cooperative action

## 1. Innovation

- 2<sup>nd</sup> and 3<sup>rd</sup> Generation of Olyset
- A New Product for IRS, Larvicide

## 2. Cooperative action

- International organizations
- Governments
- NGOs

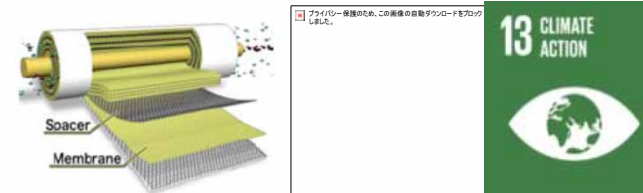


# “Sumika Sustainable Solutions”

## ◆ Sumitomo Chemical Launches New “Sustainable Solutions” Initiatives for Contributing to a Sustainable Society



Olyset™ Net, anti-malarial long-lasting insecticidal mosquito net



CO2 separation membrane



PERVIO™, lithium-ion secondary battery separator



SUMIMET™, feed additive methionine, Reduce N<sub>2</sub>O

21 products (280 bil. Yen in Sales, 2015) ⇒ 560 bil. Yen in 2020

Thank you very much.



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