# Financial Results for FY2017 & Outlook for FY2018

May 15, 2018



#### (Cautionary Statement)

Statements made in this material with respect to Sumitomo Chemical's current plans, estimates, strategies and beliefs that are not historical facts are forward-looking statements about the future performance of Sumitomo Chemical. These statements are based on management's assumptions and beliefs in light of the information currently available to it, and involve risks and uncertainties. The important factors that could cause actual results to differ materially from those discussed in the forward-looking statements include, but are not limited to, general economic conditions in Sumitomo Chemical's markets; demand for, and competitive pricing pressure on, Sumitomo Chemical's products in the marketplace; Sumitomo Chemical's ability to continue to win acceptance for its products in these highly competitive markets; and movements of currency exchange rates.

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## 1. Consolidated Financial Results for FY2017 Ended March 31, 2018

## Voluntary adoption of IFRS

We have voluntarily adopted IFRS from the fiscal year ended March 31, 2018.

#### <The Aim>

- Increase the comparability of the Group's financial statements in the capital markets
- Improve the business management within the Group by standardizing accounting treatment

#### <Measuring business performance>

 We have introduced "Core Operating Income" as our own management indicator of recurring profitability.

Core Operating Income = Operating Income - Non-core Items

#### Non-core Items:

Gain/Loss and Income/Expense attributable to non-recurring factors such as impairment loss and restructuring charges.



## Financial Summary

	FY2016	FY2017	Difference	Ratio
Sales revenue	1,939.1	2,190.5	251.4	13.0%
Core operating income	184.5	262.7	78.1	42.3%
(Equity in earnings)	(42.2)	(55.3)	(13.1)	-
Non-core items	-58.1	-11.8	46.3	-
Operating income	126.5	250.9	124.5	98.4%
Financial income/expenses	-4.1	-10.1	-6.0	-
(Gain/loss on foreign currency transaction)	(-0.9)	(-9.6)	(-8.7)	-
Income tax expenses	-13.2	-62.7	-49.4	-
Net income attributable to non-controlling interests	-32.6	-44.4	-11.8	-
Net income attributable to owners of the parent	76.5	133.8	57.2	74.8%
ROE	9.8%	15.4%		
Exchange rate(yen/\$)	108.34	110.85		
Naphtha price(yen/KL)	34,700	41,900		
Overseas sales revenue ratio	61.0%	63.2%		

### **Financial Summary**

	FY2016	FY2017	Difference	Ratio
Net sales	1,954.3	2,217.0	262.7	13.4%
Operating income	134.3	179.1	44.8	33.3%
(Equity in earnings)	(41.2)	(55.5)	(14.3)	_
Ordinary income	166.6	223.0	56.4	33.8%
Net income attributable to owners of the parent	85.5	126.0	40.6	47.5%
ROE	10.8%	14.5%	-	-
Average exchange rate (yen/\$)	108.34	110.85	-	-
Naphtha price (yen/KL)	34,700	41,900	_	-

<sup>\*</sup>During FY 2017, we finalized the provisional accounting treatment for business combinations carried out in FY 2016. As a result, figures for FY 2016 are retrospectively adjusted to reflect the revision of the initially allocated amounts of acquisition price. Also, figures for FY 2016 (retrospectively adjusted) and FY 2017 are not subject to audit certification.



## Impact from Adoption of IFRS

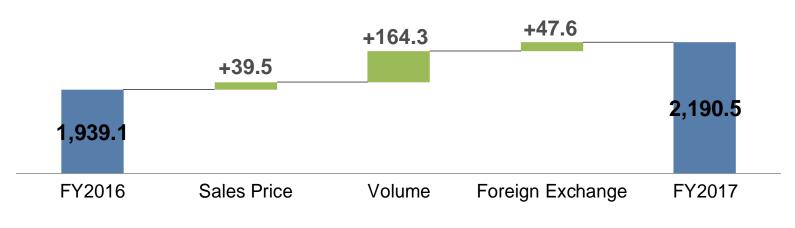
J-GAAP	
Net sales	2,217.0
COS/SGA	-2,037.9
Operating income	179.1
Non-operating gain/loss	43.9
(Equity in earnings)	(55.5)
Ordinary income	223.0
Special gain/loss	-20.5
	-
Income before tax	202.5
Income taxes	-39.6
Net income attributable non-controlling interests	-36.8
Net income attributable	126.0

IFRS	Reclassifi- cation	Changes in Accounting Principle	Total	Unit; billions of yen  Main contents of changes in Accounting Principle
Sales revenue	-	-26.5	2,190.5	•Derecognition of SWAP transactions
COS/SGA/Other income/expenses	18.3	47.8	-1,927.8	<ul><li>Derecognition of SWAP transactions</li><li>Non-amortization of goodwill</li></ul>
(Equity in earnings)	-	(-0.2)	(55.3)	·Capitalization of development cost
Core Operating income	18.3	21.4	262.7	
Non-core items	-7.6	16.3	-11.8	•Changes in fair value of contingent consideration
Financial gain/loss	-10.9	0.8	-10.1	
Income before tax	-0.2	38.5	240.8	
Income tax expenses	0.2	-23.3	-62.7	•Change in tax rate applied to tax effect for elimination of unrealized gain
Net income attributable non-controlling interests	-	-7.5	-44.4	
Net income attributable owners of the parent	-	7.7	133.8	



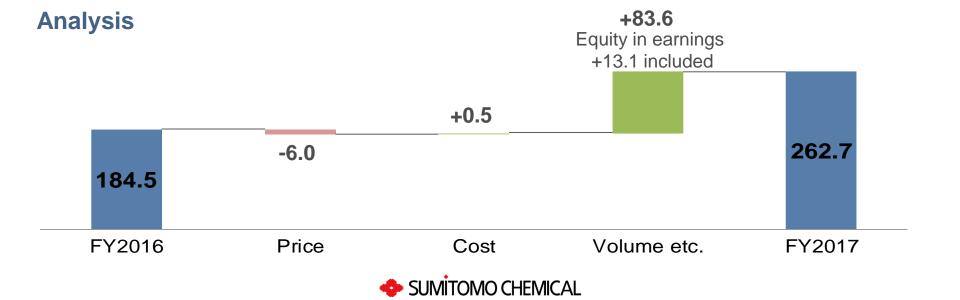
	FY2016	FY2017	Difference	Ratio	Sales Price Variance	Shipping Volume Variance	Foreign Currency Conversion Variance
Petrochemicals & Plastics	557.9	674.1	116.3	20.8%	56.0	50.3	9.9
Energy & Functional Materials	206.4	251.0	44.6	21.6%	11.5	30.6	2.5
IT-related Chemicals	358.5	368.7	10.2	2.9%	-20.0	11.2	19.0
Health & Crop Sciences	320.6	339.7	19.1	6.0%	-8.0	17.2	9.8
Pharmaceuticals	441.0	500.2	59.3	13.4%	0.0	52.9	6.3
Others & Adjustments	54.7	56.8	2.0	3.7%	0.0	2.0	0.0
Total	1,939.1	2,190.5	251.4	13.0%	39.5	164.3	47.6

#### **Analysis**





	FY2016	FY2017	Difference	Price Variance	Cost Variance	Shipping Volume Variance and Other	Total
Petrochemicals & Plastics	58.9	94.6	35.7	17.5	2.0	16.2	35.7
Energy & Functional Materials	6.0	19.2	13.2	1.0	2.0	10.2	13.2
IT-related Chemicals	8.7	12.3	3.6	-12.5	13.5	2.6	3.6
Health & Crop Sciences	47.4	44.0	-3.5	-12.0	0.0	8.5	-3.5
Pharmaceuticals	69.9	94.8	24.9	0.0	-17.0	41.9	24.9
Others & Adjustments	-6.4	-2.2	4.2	0.0	0.0	4.2	4.2
Total	184.5	262.7	78.1	-6.0	0.5	83.6	78.1



#### +9.9 +50.3 +56.0 674.1 557.9 Price Volume FX 2017 2016

#### Total ¥674.1 billion (+116.3 from FY2016)

Sales price +56.0

Foreign exchange

Improve in market price of MMA and synthetic resins

Volume

+50.3

+9.9

Increase in shipment of Rabigh products

 Consolidation of Sumika Polycarbonate as subsidiary



**Price variance** +17.5

Core Operating Income Total ¥94.6 billion (+35.7 from FY2016)

Better profit margin on MMA and synthetic resins

**Cost variance** 

+2.0

Volume variance etc.

Increase in equity in earnings of affiliates

■ Increase in license revenue +16.2





## +30.6 +2.5 +11.5 **251.0 206.4** 2016 Price Volume FX 2017

#### Total ¥251.0 billion (+44.6 from FY2016)

Sales price

+11.5

**Volume** 

+30.6

Foreign exchange +2.5

■ Higher market price for aluminum

- Increase in shipment of resorcinol and engineering plastics
- Expansion of production capacity for lithium-ion secondary battery separator
- New consolidation of Tanaka Chemical Corp

#### Core Operating Income Total ¥19.2 billion (+13.2 from FY2016)



**Price variance** 

+1.0

**Cost variance** 

+2.0

Volume variance etc.

+10.2

- Increase in shipment of resorcinol and engineering plastics
- Expansion of production capacity for lithium-ion secondary battery separator





#### Total ¥368.7 billion (+10.2 from FY2016)

Sales price

-20.0

- Decline in selling price of polarizing film
- Decline in selling price of touchscreen panels

Volume

+11.2

+19.0

- Increase in shipment of polarizing film
- Increase in shipment of touchscreen panels

#### Core Operating Income Total ¥12.3 billion (+3.6 from FY2016)

Foreign exchange



Price variance

-12.5

- Decline in selling price of polarizing film
- Decline in selling price of touchscreen panels

Cost variance +13.5

Rationalization of the use of raw materials

Volume variance etc. ■ Increase in shipment of polarizing film +2.6



#### +9.8 +17.2 -8.0 339.7 320.6 2016 Price Volume FX 2017

#### Total ¥339.7 billion (+19.1 from FY2016)

Sales price

-8.0

Volume

+17.2

+9.8

Lower market price for feed additive methionine

New consolidation of Excel Crop Care ltd.

#### Core Operating Income Total ¥44.0 billion (-3.5 from FY2016)



**Price variance** -12.0

Foreign exchange

Lower market price for feed additive methionine

**Cost variance** 

0.0

Volume variance etc. ■ New consolidation of Excel Crop Care ltd.

+8.5

Positive impact of weaker yen



#### +6.3 +52.9 $\pm 0.0$ 500.2 441.0 Price Volume FX 2017 2016

#### Total ¥500.2 billion (+59.3 from FY2016)

Sales price

0.0

Volume

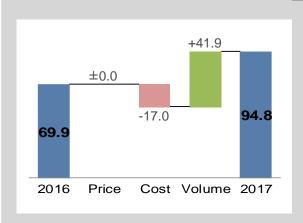
+52.9

+6.3

- Increase in shipment of Latuda® in North America
- Increase in shipment of Trulicity® in Japan

#### Core Operating Income Total ¥94.8 billion (+24.9 from FY2016)

Foreign exchange



**Price variance** 

0.0

**Cost variance** 

-17.0

- Increase in sales expense of COPD products
- Increase in R&D expense

+41.9

- Volume variance etc. Increase in shipment of Latuda® in North America
  - Divestiture of ciclesonide products



	FY2016	FY2017	Difference
Restructuring charges	-18.2	-14.2	4.0
Impairment loss	-36.5	-12.4	24.1
Gain on sale of property, plant and equipment	1.0	6.8	5.8
Changes in fair value of contingent consideration	-6.5	6.1	12.7
Reversal of impairment loss	-	3.5	3.5
Gain on step acquisitions	2.8	-	-2.8
Others	-0.7	-1.6	-0.9
Non-core items	-58.1	-11.8	46.3



						Orlit, Di	mons or yen
	31-Mar-17	31-Mar-18	Difference		31-Mar-17	31-Mar-18	Difference
Current assets	1,140.9	1,254.8	113.9	Liabilities	1,762.3	1,816.5	54.2
Cash and cash equivalents	193.3	231.9	38.6	Trade and other payables	417.7	486.8	69.1
Trade and other receivables	503.5	530.6	27.1	Interest-bearing Liabilities	884.1	842.2	-41.9
Inventories	397.4	446.8	49.4	Others	460.5	487.5	27.0
Others	46.7	45.5	-1.2	Equity	1,115.9	1,252.2	136.3
Non-current assets	1,737.3	1,813.9	76.6	Shareholders' equity	727.1	842.0	114.9
Property, plant and equipment	644.1	675.7	31.7	Other components of equity	85.5	85.2	-0.4
Goodwill and Intangible assets	353.3	355.5	2.2	Non-controlling interests	303.3	325.1	21.8
Others	740.0	782.6	42.7				
Total	2,878.2	3,068.7	190.5	Total	2,878.2	3,068.7	190.5
				Shareholders' equity ratio	28.2%	30.2%	2.0%
				D/E ratio	0.8	0.7	-0.1

	FY2016	FY2017	Difference
Cash flows from operating activities	185.8	293.3	107.5
Cash flows from investing activities	-205.7	-154.5	51.2
Free cash flows	-19.9	138.7	158.7
Cash flows from financing activities	-0.5	-94.3	-93.7
Effect of exchange rate changes on cash and cash equivalents	-1.9	-5.8	-3.9
Net change in cash and cash equivalents	-22.3	38.6	61.0
Cash and cash equivalents at end of year	193.3	231.9	38.6



## 2. Outlook for FY2018



				Offic, billions of you		
	FY2017	FY2018 (estimated)	Difference	Ratio		
Sales revenue	2,190.5	2,490.0	299.5	13.7%		
Core operating income	262.7	240.0	-22.7	-8.6%		
(Equity in earnings)	(55.3)	(50.0)	(-5.3)	-		
Non-core items	(-11.8)	(-35.0)	(-23.2)	-		
Operating income	250.9	205.0	-45.9	-18.3%		
Financial income/expenses	-10.1	0.0	10.1	-		
Net income attributable to owners of the parent	133.8	130.0	-3.8	-2.8%		
ROE	15.4%	13.4%		_		
Exchange rate (yen/USD)	110.85	110.00				
Naphtha price (yen/KL)	41,900	47,000				

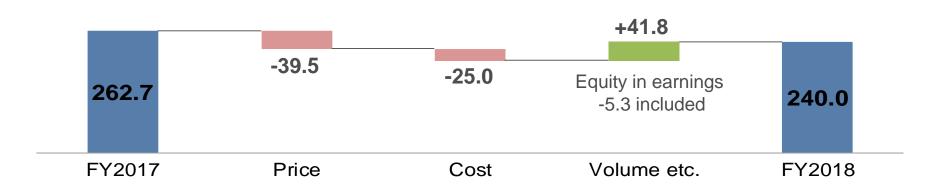
	FY2017	FY2018 (estimated)	Difference	Ratio	Sales Price Variance	Shipping Volume Variance	Foreign Currency Conversion Variance
Petrochemicals & Plastics	674.1	790.0	115.9	17.2%	10.0	109.2	-3.4
Energy & Functional Materials	251.0	285.0	34.0	13.6%	5.0	30.1	-1.1
IT-related Chemicals	368.7	435.0	66.3	18.0%	-16.0	93.8	-11.5
Health & Crop Sciences	339.7	410.0	70.3	20.7%	3.0	70.4	-3.1
Pharmaceuticals	500.2	515.0	14.8	3.0%	-9.0	26.2	-2.4
Others & Adjustments	56.8	55.0	-1.8	-3.1%	0.0	-1.8	0.0
Total	2,190.5	2,490.0	299.5	13.7%	-7.0	327.9	-21.4





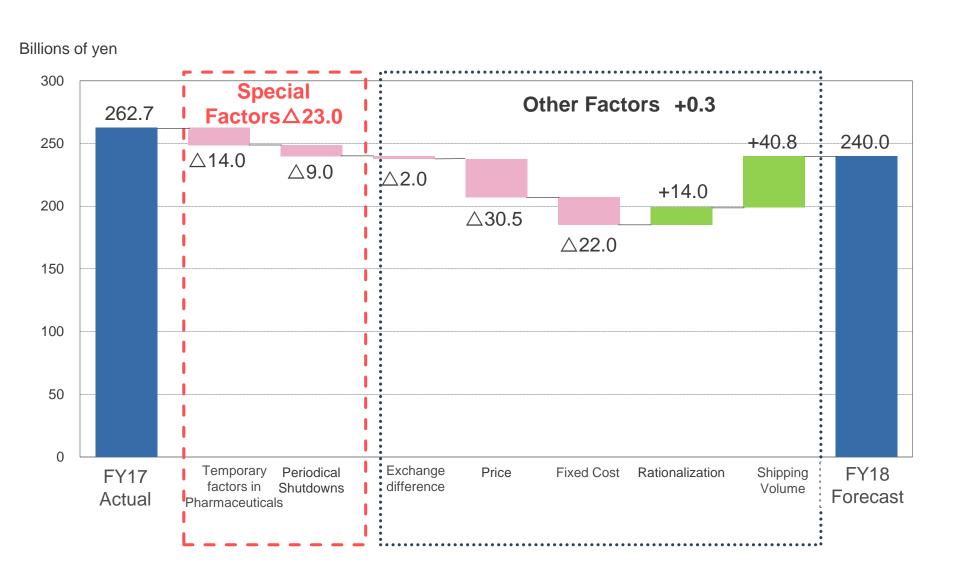
	FY2017	FY2018 (estimated)	Difference	Price Variance	Cost Variance	Shipping Volume Variance and Other	Total
Petrochemicals & Plastics	94.6	63.0	-31.6	-13.0	-3.5	-15.1	-31.6
Energy & Functional Materials	19.2	20.0	0.8	0.0	-4.0	4.8	8.0
IT-related Chemicals	12.3	20.0	7.7	-19.5	5.0	22.2	7.7
Health & Crop Sciences	44.0	59.0	15.0	2.0	-6.0	19.0	15.0
Pharmaceuticals	94.8	81.0	-13.8	-9.0	-16.5	11.7	-13.8
Others & Adjustments	-2.2	-3.0	-0.8	0.0	0.0	-0.8	-0.8
Total	262.7	240.0	-22.7	-39.5	-25.0	41.8	-22.7

#### **Analysis**





#### Analysis of Core Operating Income







#### Total ¥790.0 billion (+115.9 from FY2017)

Sales price +10.0

Volume +109.2

Foreign exchange -3.4

- Improve in market price of synthetic resins in domestic market
- Increase in shipment of Rabigh Phase II products
- Increase in shipment of synthetic resins in domestic market

#### Core Operating Income Total ¥63.0 billion (-31.6 from FY2017)



**Price variance** -13.0

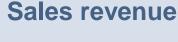
Decline in market price of MMA and synthetic resins in oversea market

Cost variance -3.5

- **Volume variance etc.** Decline in equity in earning of affiliates
  - Decline in shipment due to periodical shutdowns



-15.1



## +30.1 -1.1 **285.0 2017** Price Volume FX 2018

#### Total ¥285.0 billion (+34.0 from FY2017)

Sales price +5.0

+30.1

Volume

Increase in shipment of cathode materials

Increase in shipment of lithium-ion secondary battery separator

### -1.1

#### Core Operating Income Total ¥20.0 billion (+0.8 from FY2017)



Price variance 0.0

Foreign exchange

Cost variance -4.0

Increase in fixed cost due to expansion of production capacity for engineering plastics

Volume variance etc.

- Increase in shipment of cathode materials
- Increase in shipment of lithium-ion secondary battery separator



+4.8



#### Total ¥435.0 billion (+66.3 from FY2017)

Sales price

-16.0

Decline in selling price of polarizing film

Decline in selling price of touchscreen panels

Volume

+93.8

-11.5

■ Increase in shipment of polarizing film

■ Increase in shipment of touchscreen panels



Price variance

Core Operating Income Total ¥20.0 billion (+7.7 from FY2017)

Foreign exchange

-19.5

■ Decline in selling price of polarizing film

Decline in selling price of touchscreen panels

**Cost variance** 

+5.0

Rationalization of the use of raw materials

■ Improvement of production yield

Volume variance etc.

■ Increase in shipment of polarizing film

+22.2

■ Increase in shipment of touchscreen panels



410.0

2018



+3.0

339.7

2017

#### Total ¥410.0 billion (+70.3 from FY2017)

Sales price +3.0Volume

Recovery of market price for feed additive methionine

+70.4

Increase in shipment of crop protection chemical in overseas market

Foreign exchange -3.1

Expansion of production capacity for feed additive methionine

#### Core Operating Income Total ¥59.0 billion (+15.0 from FY2017)



Price Volume FX

Price variance +2.0 Recovery of market price for feed additive methionine

**Cost variance** -6.0 Increase in fixed cost due to expansion of production capacity for feed additive methionine

Volume variance etc.

Increase in shipment of crop protection chemical in overseas market

Expansion of production capacity for feed additive methionine



+19.0

#### +26.2 -2.4 -9.0 515.0 500.2 2017 Price Volume FX 2018

#### Total ¥515.0 billion (+14.8 from FY2017)

Sales price

-9.0

Volume

+26.2

-2.4

NHI price revision in Japan

■ Increase in shipment of Latuda® in North **America** 

#### Core Operating Income Total ¥81.0 billion (-13.8 from FY2017)

Foreign exchange



Price variance

-9.0

**Cost variance** 

-16.5

Increase of sales expense related with new products

+11.7

Volume variance etc. ■ Increase in shipment of Latuda® in North America



	FY2017	FY2018 (estimated)	Difference
Cash flows from operating activities	293.3	225.0	-68.3
Cash flows from investing activities	-154.5	-355.0	-200.5
Free cash flows	138.7	-130.0	-268.7
Cash flows from financing activities	-94.3	105.0	199.3
Effect of exchange rate changes on cash and cash equivalents	-5.8	0.0	5.8
Net change in cash and cash equivalents	38.6	25.0	-63.6
Interest-bearing debt balance	842.2	1,000.0	157.8

## (Reference: Segment Information)



## Petrochemicals & Plastics

- Completed construction of Rabigh Phase 2 Project
- Decided to build a new plant of catalyst for propylene oxide
- Expanded Naphtha storage tanks in Singapore

## Energy & Functional Materials

- Expanded production capacity for lithium-ion secondary battery separators
- Expanded production capacity for Resorcinol
- Decided to exit the DPF business

## IT-related Chemicals

- Decided to expand production capacity for high-purity chemicals for semiconductors
- Decided to expand production capacity for protection films of polarizing films
- Decided to exit the sapphire substrates business

## Health & Crop Sciences

- Acquired an Australian major supplier of pyrethrum-derived insecticidal compounds
- Acquired a plant growth regulator business
- Expanded nucleic acid medicine business

#### **Pharmaceuticals**

- In-licensing of therapeutic agent for type 2 diabetes
- FDA Approval for COPD products
- Completion of building a manufacturing plant for regenerative medicine & cell therapy



**IFRS** 

#### Sales revenue by Business segment I (Quarterly)

	J-GAAP				ILL	(3		
							Unit; billio	ns of yen
		FY20	016			FY20	017	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Petrochemicals & Plastics	137.0	128.7	148.4	158.0	153.5	166.6	176.5	177.5
Energy & Functional Materials	47.0	47.5	51.5	59.9	59.6	60.6	67.5	63.2
IT-related Chemicals	86.0	88.7	95.1	88.6	90.8	97.8	98.1	82.1
Health & Crop Sciences	64.0	61.8	66.1	127.4	67.5	70.2	78.5	123.5
Pharmaceuticals	111.7	102.6	115.5	114.5	124.6	123.5	132.3	119.8
Others & Adjustments	10.9	14.7	12.7	16.1	12.0	13.7	12.6	18.5
Total	456.6	444.0	489.3	564.5	507.9	532.4	565.5	584.6

I-GAAP

Also, figures for FY 2016 (retrospectively adjusted) are not subject to audit certification.



Quarterly figures for FY 2017 are not subject to financial review procedures at this moment.
 Quarterly figures for FY 2016 are retrospectively adjusted due to finalizing the provisional accounting treatment for business combinations carried out in FY 2016.

#### **IFRS**

	FY2017				FY2018 (estimated)		
	1Q	2Q	3Q	4Q	1st Half	2nd Half	
Petrochemicals & Plastics	153.5	166.6	176.5	177.5	390.0	400.0	
Energy & Functional Materials	59.6	60.6	67.5	63.2	135.0	150.0	
IT-related Chemicals	90.8	97.8	98.1	82.1	210.0	225.0	
Health & Crop Sciences	67.5	70.2	78.5	123.5	150.0	260.0	
Pharmaceuticals	124.6	123.5	132.3	119.8	250.0	265.0	
Others & Adjustments	12.0	13.7	12.6	18.5	25.0	30.0	
Total	507.9	532.4	565.5	584.6	1,160.0	1,330.0	

X Quarterly figures for FY 2017 are not subject to financial review procedures at this moment.



J-GAAP	IFRS

	FY2016				FY2017			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Petrochemicals & Plastics	1.8	4.9	10.9	9.1	15.0	26.8	28.9	23.9
Energy & Functional Materials	0.7	1.5	3.0	2.1	4.8	5.5	5.6	3.3
IT-related Chemicals	1.4	1.1	6.5	1.4	3.3	5.7	4.6	-1.2
Health & Crop Sciences	9.1	3.8	3.7	29.6	5.5	2.9	10.3	25.3
Pharmaceuticals	15.3	12.6	18.2	9.0	25.9	32.2	23.5	13.2
Others & Adjustments	-3.0	-1.8	-3.2	-3.1	-1.1	0.4	-0.9	-0.5
Total	25.3	21.9	39.0	48.0	53.5	73.5	71.8	63.8

<sup>※</sup> Quarterly figures for FY 2017 are not subject to financial review procedures at this moment.
Quarterly figures for FY 2016 are retrospectively adjusted due to finalizing the provisional accounting treatment for business combinations carried out in FY 2016.

Also, figures for FY 2016 (retrospectively adjusted) are not subject to audit certification.



#### Core Operating Income by Business segment II (Quarterly)

#### **IFRS**

	FY2017				FY2018 (estimated	
	1Q	2Q	3Q	4Q	1st Half	2nd Half
Petrochemicals & Plastics	15.0	26.8	28.9	23.9	29.0	34.0
Energy & Functional Materials	4.8	5.5	5.6	3.3	8.0	12.0
IT-related Chemicals	3.3	5.7	4.6	-1.2	9.0	11.0
Health & Crop Sciences	5.5	2.9	10.3	25.3	4.0	55.0
Pharmaceuticals	25.9	32.2	23.5	13.2	43.0	38.0
Others & Adjustments	-1.1	0.4	-0.9	-0.5	-3.0	0.0
Total	53.5	73.5	71.8	63.8	90.0	150.0

X Quarterly figures for FY 2017 are not subject to financial review procedures at this moment.



#### **IFRS**

			FY2018
	FY2016	FY2017	(estimated)
Capital expenditures	136.3	158.8	181.0
Depreciation and amortization	110.3	107.1	112.0
Research & development expenses	158.0	165.3	169.0
Number of employees (as of March 31)	32,536	31,837	33,000



#### **IFRS**

	FY2016	FY2017	Difference
Petrochemicals & Plastics	30.6	17.4	-13.2
Energy & Functional Materials	21.9	22.5	0.6
IT-related Chemicals	33.5	24.5	-9.0
Health & Crop Sciences	24.2	56.3	32.2
Pharmaceuticals	14.9	21.2	6.3
Others & Adjustments	11.1	16.8	5.7
Total	136.3	158.8	22.5



#### Estimated Capital Expenditures by Business segment

**IFRS** 

	FY2017	FY2018 (estimated)	Difference
Petrochemicals & Plastics	17.4	36.0	18.6
Energy & Functional Materials	22.5	35.5	13.0
IT-related Chemicals	24.5	34.5	10.0
Health & Crop Sciences	56.3	43.0	-13.3
Pharmaceuticals	21.2	15.0	-6.2
Others & Adjustments	16.8	17.0	0.2
Total	158.8	181.0	22.2



#### **IFRS**

	FY2016	FY2017	Difference
Petrochemicals & Plastics	22.8	23.0	0.1
Energy & Functional Materials	12.7	13.9	1.2
IT-related Chemicals	31.7	29.6	-2.2
Health & Crop Sciences	16.2	16.2	0.0
Pharmaceuticals	15.5	15.1	-0.4
Others & Adjustments	11.4	9.4	-2.0
Total	110.3	107.1	-3.2



#### Estimated Depreciation and Amortization by Business segment

#### **IFRS**

	FY2017	FY2018 (estimated)	Difference
Petrochemicals & Plastics	23.0	22.0	-1.0
Energy & Functional Materials	13.9	15.5	1.6
IT-related Chemicals	29.6	28.0	-1.6
Health & Crop Sciences	16.2	19.0	2.8
Pharmaceuticals	15.1	18.5	3.4
Others & Adjustments	9.4	9.0	-0.4
Total	107.1	112.0	4.9



#### Research & Development Expenses by Business segment

**IFRS** 

	FY2016	FY2017	Difference
Petrochemicals & Plastics	6.2	6.6	0.4
Energy & Functional Materials	9.3	7.5	-1.8
IT-related Chemicals	16.1	17.3	1.1
Health & Crop Sciences	28.2	29.3	1.1
Pharmaceuticals	82.3	89.3	7.1
Others & Adjustments	15.8	15.3	-0.5
Total	158.0	165.3	7.3



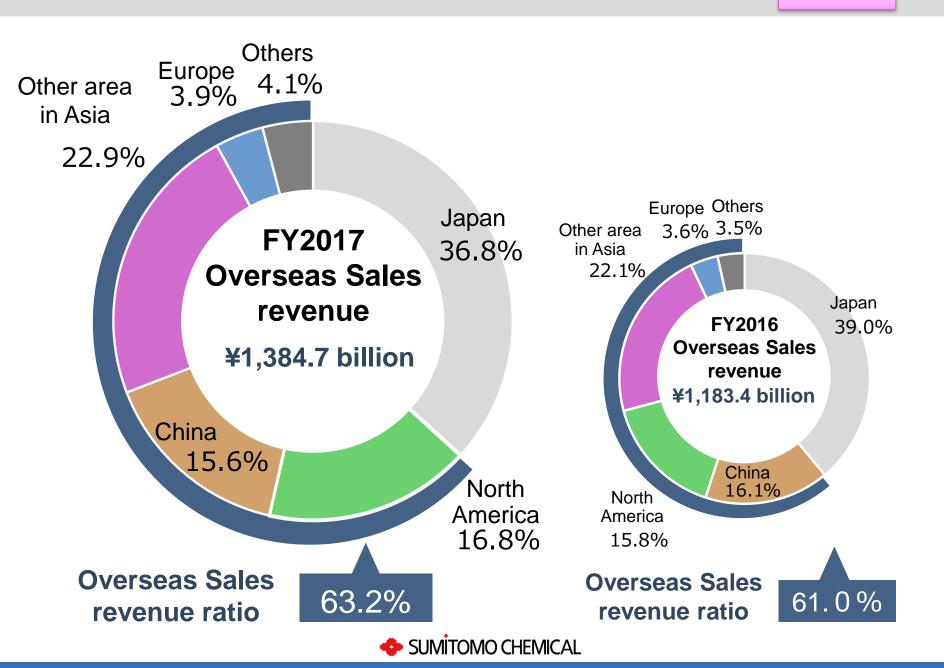
#### **IFRS**

	FY2017	FY2018 (estimated)	Difference
Petrochemicals & Plastics	6.6	7.0	0.4
Energy & Functional Materials	7.5	8.0	0.5
IT-related Chemicals	17.3	17.5	0.2
Health & Crop Sciences	29.3	33.0	3.7
Pharmaceuticals	89.3	87.5	-1.8
Others & Adjustments	15.3	16.0	0.7
Total	165.3	169.0	3.7



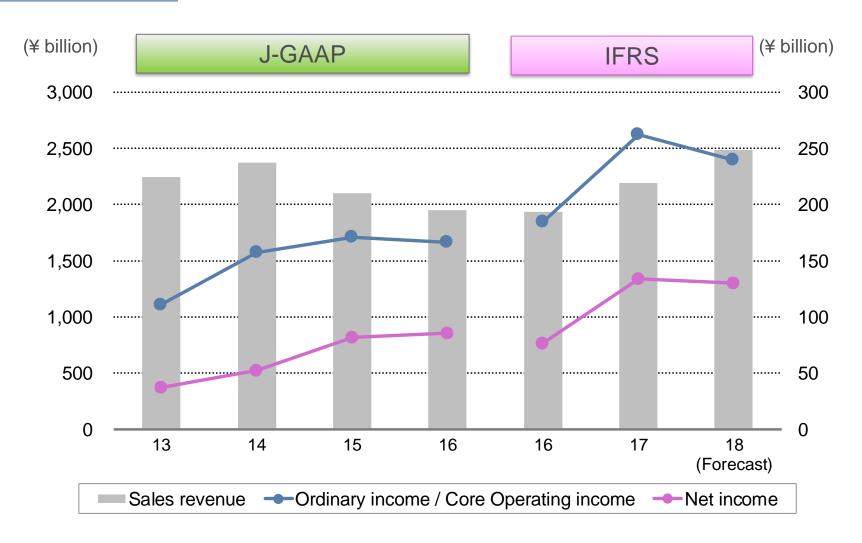
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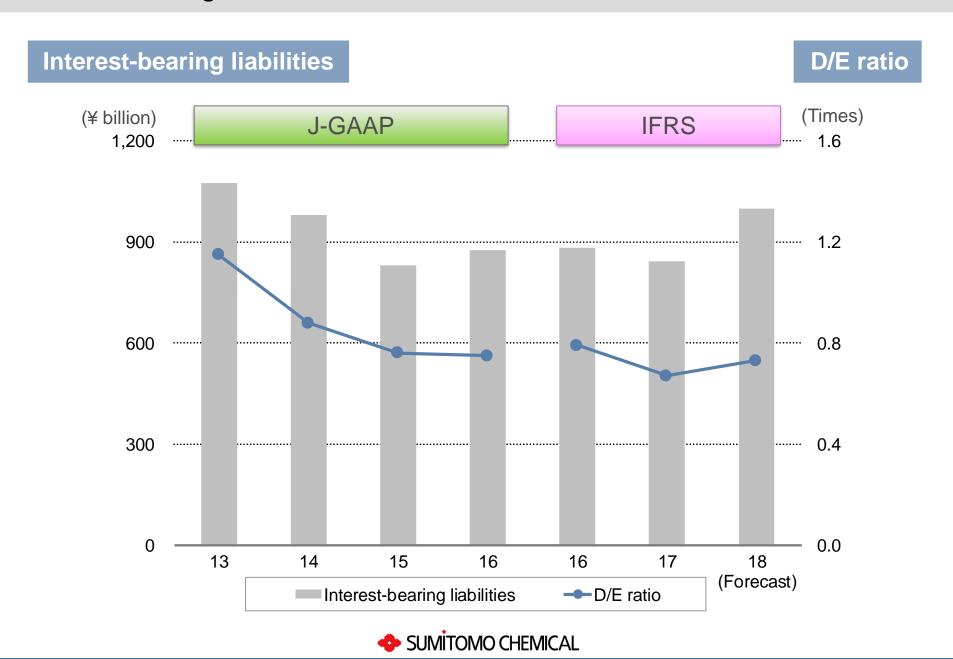




**Profit** 







#### Cash Dividends / Payout Ratio Transition

