



I.

II.

III.

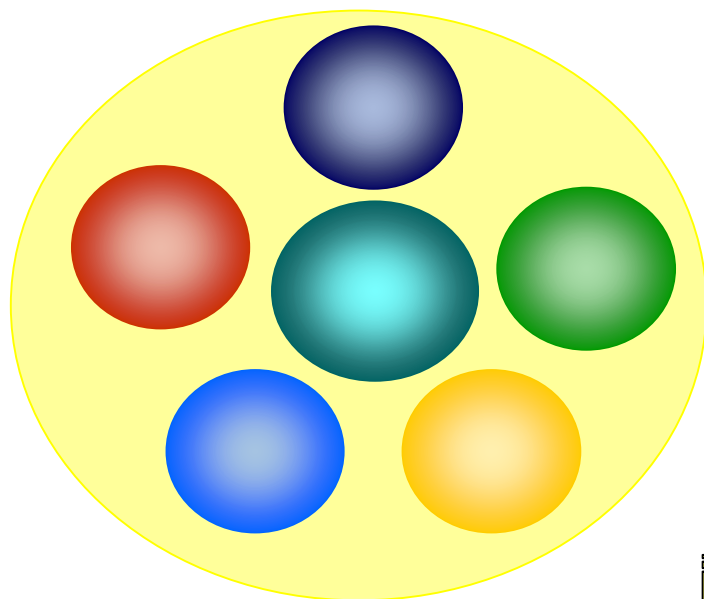
IV.

V.

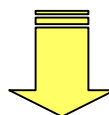
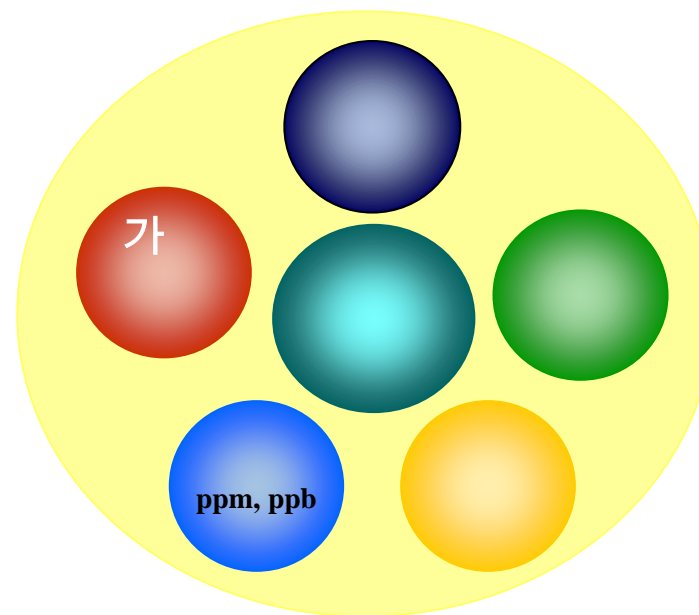




(有用性)



(有害性)



●
● “ ”



화학물질	용도	환경 위해
DDT	,	- R.Carson (1962) - (1973) - (1986) *
PCBs ()	,	PCBs 가 (60)
(CFC-11)	,	
TBT ()	(防汚劑)	
		,

< 1> DDT

- 1939 : P.H. () ()
- 2 :
- 1948 :
- 1962 :
- 1973 : DDT



Paul Hermann Muller



Rachel Carson

< 2> PCBs

- 1929 : Monsanto

✓

- 1960 : , ,

✓ PCB

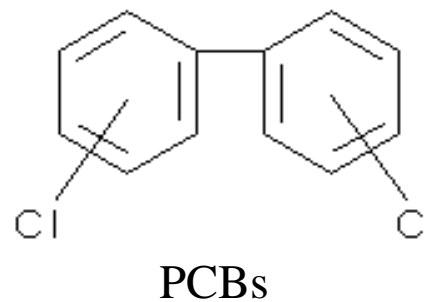
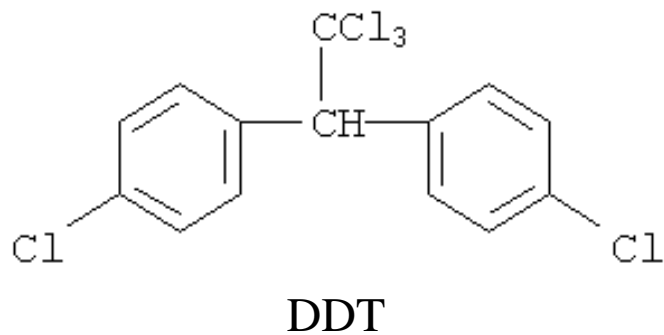
(가)

- 1970 :

- 1999 : PCB

가 가

✓ 36

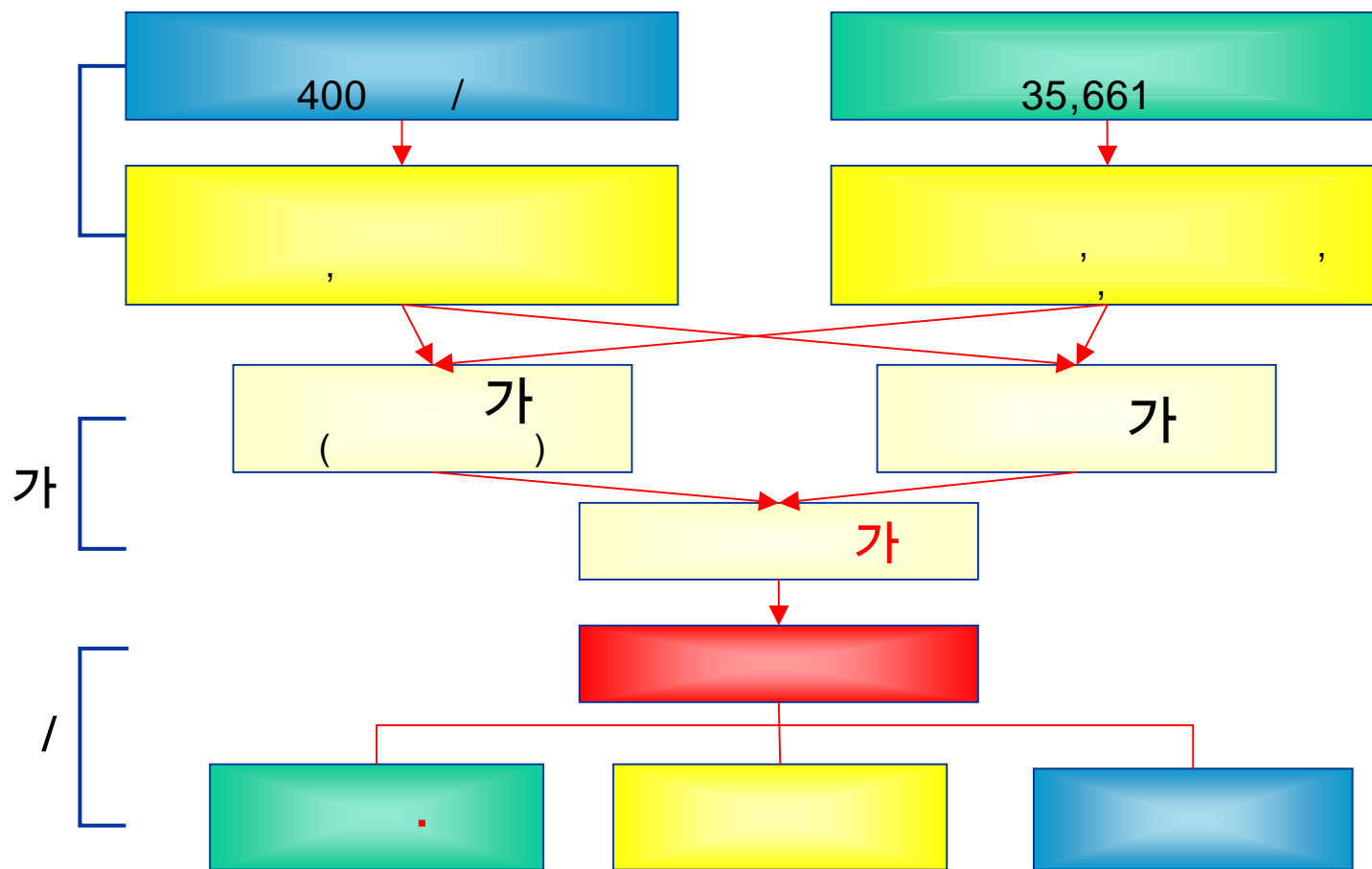


2.

유해화학물질관리법 연혁	주요 내용
· ('63~'90 ,)	
('90~'96 ,)	
('96 ~'05 , OECD 가)	GLP ,
('06 ,)	가

■





1. (Data Generation/Collection)

- - ✓
 - 가 (400 /)
 - (35) (15 / , 504)
- - ✓
 - , , (4)
- - ✓
 - (, 300)
 - 가



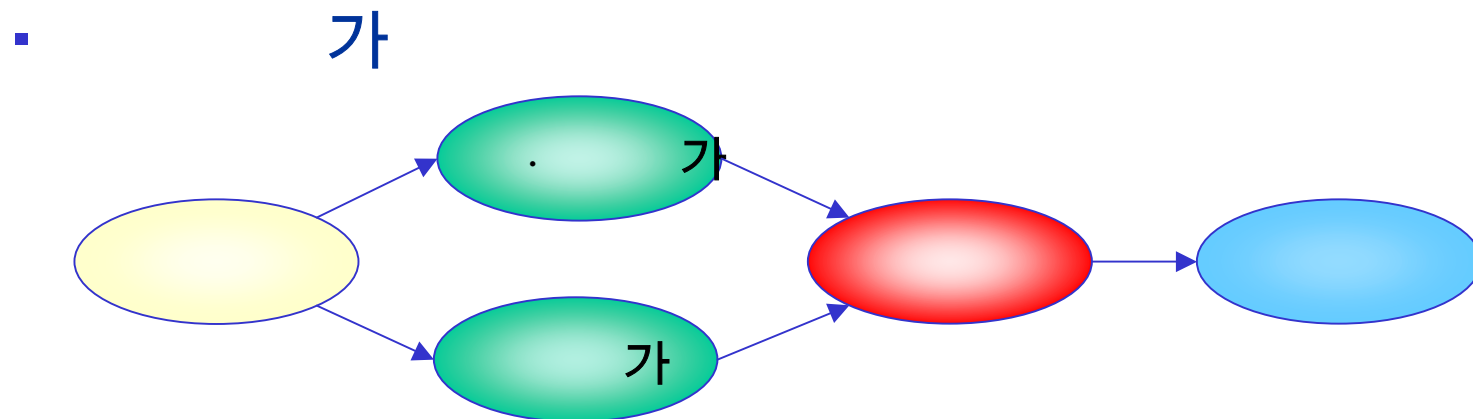
<'98 2002 > (;)

연 도	제 조 량	수 입 량	사 용 량	수 출 량
1998	181.2	42.2	234.1	48.0
2002	208.6	115.3	240.4	48.5
가 (%)	15.1	173.2	2.7	1.0

< , >

구 분	2000	2001	2002	2003
()	57,600	95,043	93,797	96,392
()	30,143	36,587	34,272	38,041
(%)	0.052	0.038	0.037	0.039

2. 가(Risk Assessment)



✓ : 400
 ✓ '06 가 (3 6 , * OECD 13)



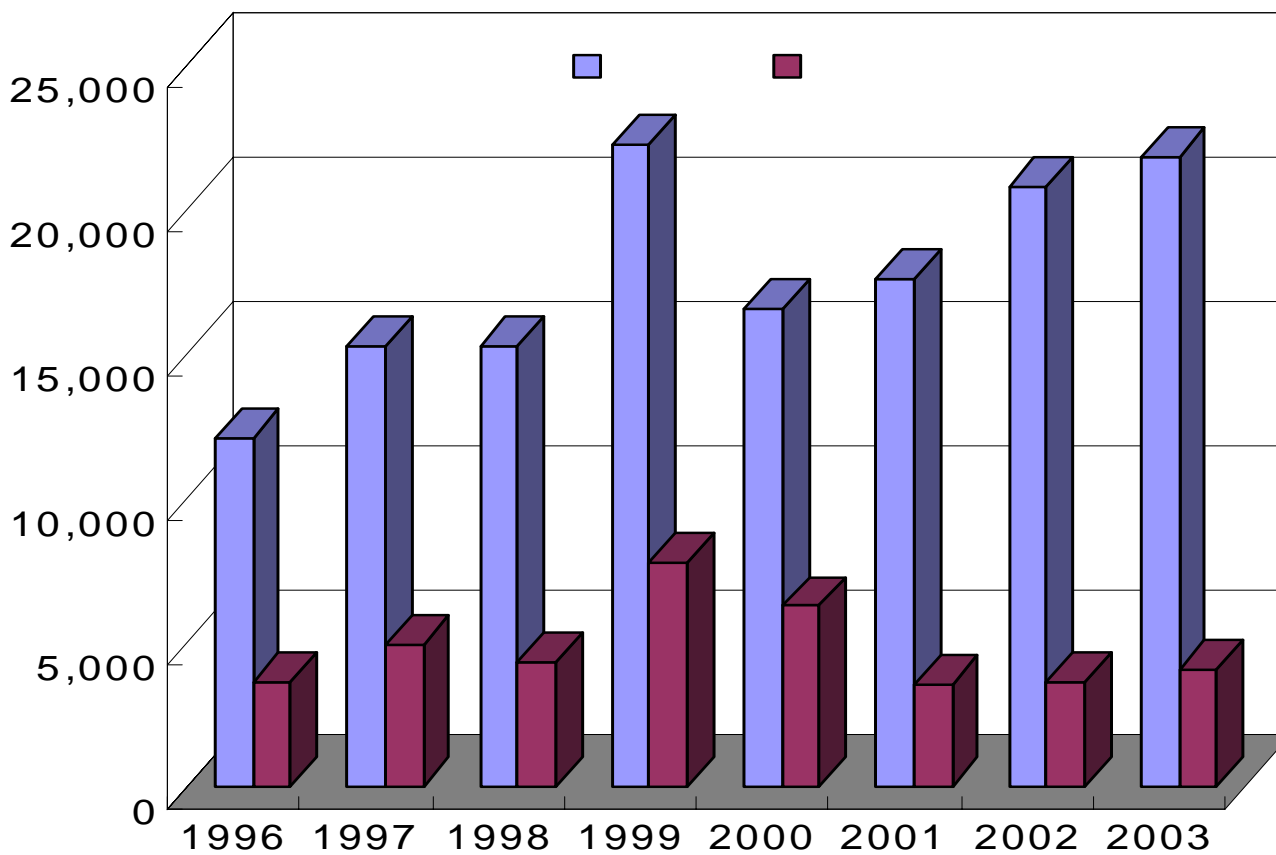
✓ : 15
 ✓ : , VOC 17
 가

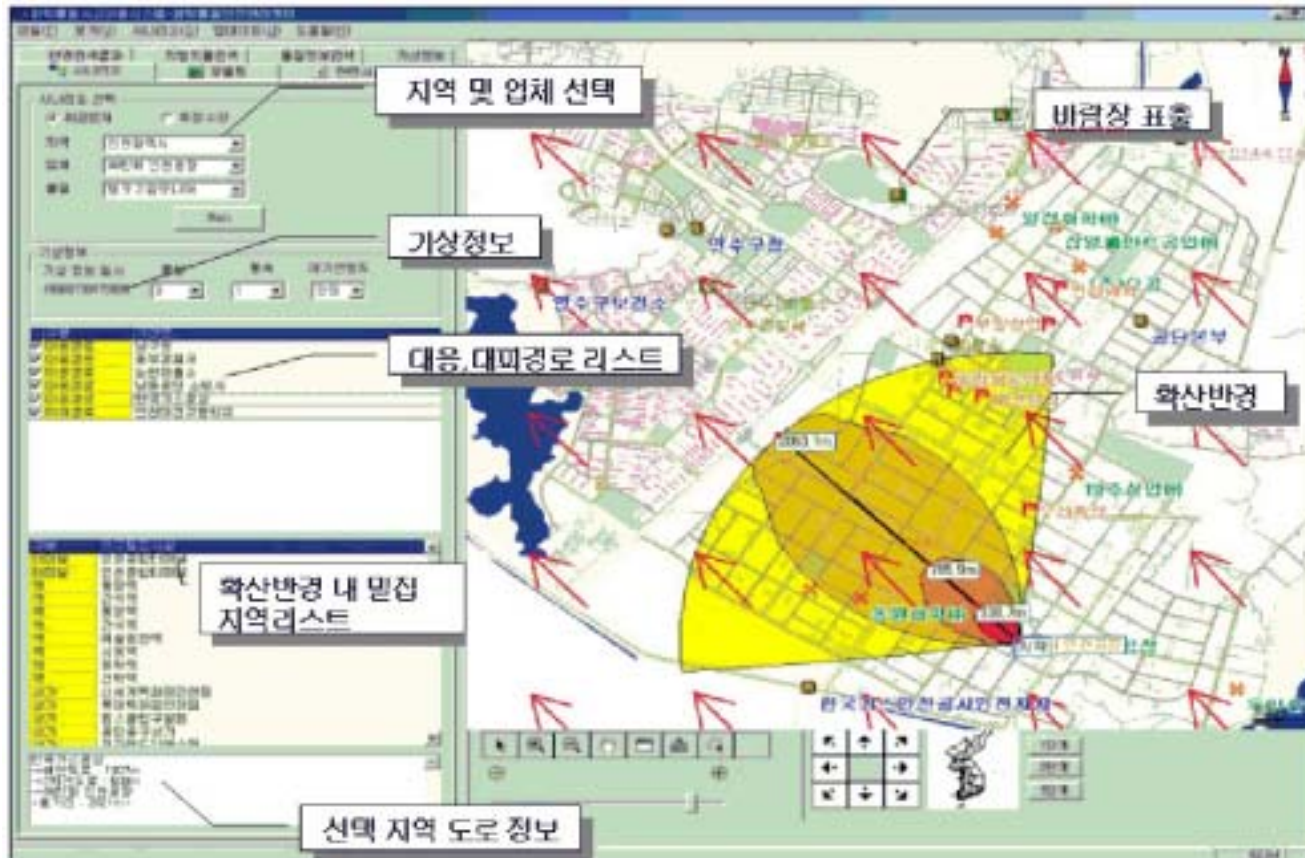


- ✓
 - ✓ '04.11 , 5 (5)
- ✓ : ('06) ,
 - ✓ : '05.4.1 ~ 9.30(6)
- ✓ 108 (: 27 , : 47 , : 34)

3. (Risk Management)

- , :
- ✓ (549) :
- ✓ (18) :
- :
- ✓ 가 (59) : 가,
-
- ✓ 56 ('06)
- ✓ .
- * ()
-
- ✓ ('99~)
- ✓ 12 POPs .







*

▪ ('04.12.21)

✓ , , LG 165

✓ '01 3 ('07) 30%, 5 ('09) 50%

▪ **PCB** ('04.10.7)

✓ 6

✓ '15 PCB ,

▪ ('05.7.15)

✓ , INI , LG 19

✓ '01 '08 30%, '10 50%

4. (Risk Communication)

✓

-

✓

('06)

(GHS)

('08)

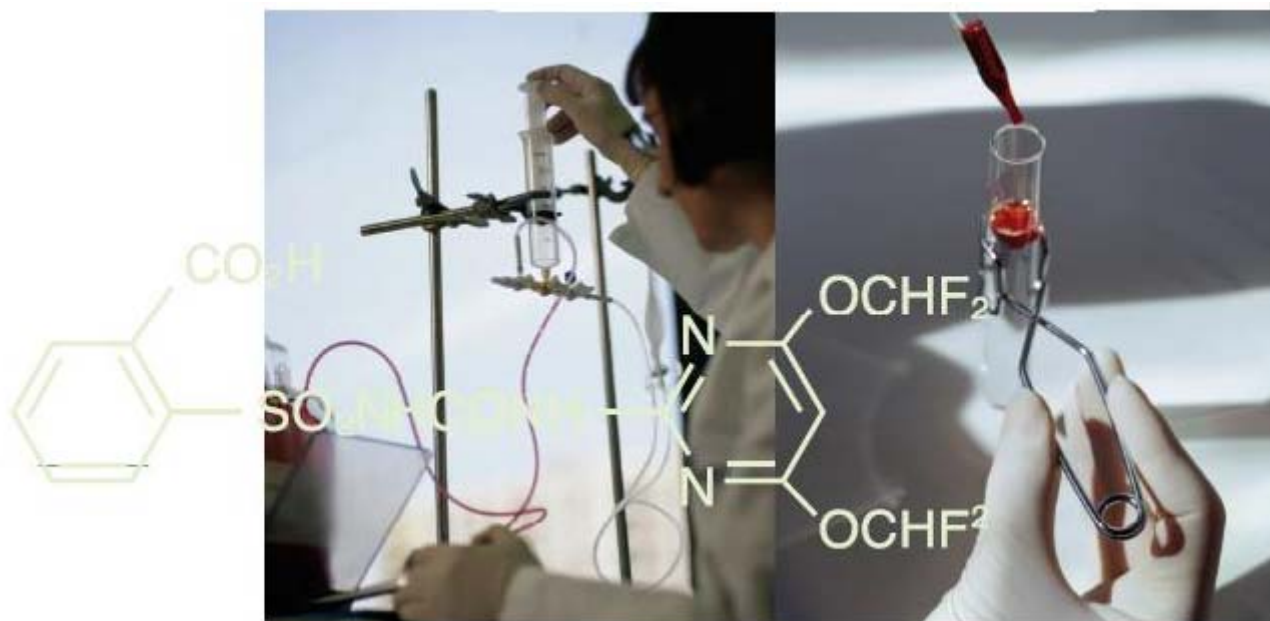


<GHS >



< >

■



1. (1)



- 가
 - 가 .
 - 가
 - ('97 3.1 '04 5.6),
('97 10.8 '03 17.2)
 - ✓ OECD ('05 ~ '10 1)
(ICCA) 가 (* 36)
 - ✓ EU 가
REACH ('07)

* RC

▪ (2)

▪

✓

가

가()

▪

✓

▪

✓

▪

(, ,)



(UN)

✓ : PIC ('04.2), POPs ('04.5)

✓ (SAICM) : '06

- '20

UN

(가)

(OECD)

✓ 가

✓

(EU)

✓ (REACH System):

- 가

✓ (RoHS)



()

- 가
 - ✓ 가
 - ✓ 가
- - ✓ . . .
 - ✓

1.

- 가 OECD 가
 - ✓ 가 가
 - ✓ 가 . 가
- 가
 - ✓ 가 가 가
- 가 가
 - ✓ GLP
 - GLP , MOU ,



2.

- - ✓
 - ✓
- - ✓



3.



-

✓ ('08)

✓ , ('06)

-

✓ 가

✓ , , 가 가 , 가가 「 ('05.10)

-

✓ 가 가

✓ 가

4.

-

✓ OECD

✓

✓

-

✓ PCBs POPs

✓

POPs

(가)

✓

■

■



1.

- REACH, RoHS

- ✓

- ✓

가

- 가

▪

2.

- '91

 - ✓

 - ,

 - ✓

-

 - ✓

 - 3

 - , 1

 - 5

 - , 5

('06)

 - ✓