













### **Monitoring Progress of Japan's Resource** 6 **Efficiency Policy**

45.0 40.0

20.0 15.0 Resource P

10.0

5.0

0.0

Productivity 35.0 30.0

(10000yen/t) 25.0

"INPUT": Resource Productivity

**GDP/natural resource input** 

¥420,000/t

in 2015

· Monitoring progress in policy implementation is an essential part.

· Japan introduced MFA-based indicators and policy targets for 2010 in 2003 to monitor the progress of 3R implementation at macro-level.

· Based on the progress, Japan revised its fundamental plan in 2008 and set new targets for 2015. Third revision is expected in 2013.





## 8 The 2<sup>nd</sup> Fundamental Plan for Sound Material Cycle Society (2008-2013)

#### Characteristics

- "Sound Material Cycle Society" (waste and resource efficiency) Plus: "Low Carbon Society" (climate and energy efficiency) and "Society in Harmony with Nature" (bio-diversity and country landscape)
- 2. "Regional" resource circulation: Environmentally sound resource circulation at appropriate geographic and economic scale
- **3. Expansion of "Indicators**": Quantitative targets and additional indicators
- 4. International Sound Material Cycle Society: International collaboration with East and Southeast Asia (Regional 3R Forum in Asia), Contribution to international research on resource efficiency/productivity (in collaboration with OECD, UNEP)

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# **10** Example of Policies: Eco-town Programme

•Launched in 1997 to create synergies between resource recovery from urban solid waste and the promotion of environmental industries.

•Local governments developed plans to promote recycling businesses or facilities in conjunction with other stakeholders and applied for the programme. The accepted plans were <u>subsidised jointly by METI and MOEJ</u>. •Total cost of policy <u>USD 1.1 billion</u> (total subsidies during 1997-2004 including tax reduction and policy finance between 200-2004). Generated <u>5.89 million tons of recycling capacity</u>. Contributed to <u>20% of the average annual increase in national recycling capacity</u>. Direct economic effects such as employment was relatively limited but could direct the <u>constant private investment</u> for environmental industries in the approved areas.



#### Economic and social effects of eco-town programme

fiscal year	1997	1998	1999	2000	2001	2002	2003	2004	total
number of approved areas	4	3	2	4	2	2	3	3	23
private investment in the approved areas (billion JPY)	0.53	17.25	11.79	12.38	13.07	10.95	2.34	5.74	74.05
recycling facilities in the approved areas	1	8	8	8	5	5	2	10	47
number of business start-ups related to the approved facilities	1	6	5	4	0	3	1	2	22
employees in the approved areas	20	190	95	205	85	132	18	281	1026
amount of recycled waste (1000t/year) in the approved areas	8	209	25.9	195.7	105.6	52.3	16.4	119	731.9
visitors to an Eco-town area(case of Kitakyushu)		10,000	28,600	43,600	76,400	93,300	88,000	82,204	422,104

Source: Minister of Economy, Trade and Industry (METI), Japan

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