

Items		Required information/ data (Indicator)	Information source	Findings																						
Main items	Sub items			Number of investigation	Remarks																					
	areas are established (Establish methods of disaster rehabilitation measures of devastated areas)	2) No. of disaster investigation conducted	Project report	24 investigations in total: Number of the investigations done by year are as follows.																						
				<table border="1"> <thead> <tr> <th>Year</th> <th>Number of investigation</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>2001</td> <td>2</td> <td>Debris flow disaster investigation in Niasu island, and others.</td> </tr> <tr> <td>2002</td> <td>6</td> <td>Volcano disaster investigation, and others</td> </tr> <tr> <td>2003</td> <td>6</td> <td>Bahorok disaster, and others</td> </tr> <tr> <td>2004</td> <td>4</td> <td>Mount. Bawakaræng disaster investigation, and others</td> </tr> <tr> <td>2005</td> <td>6</td> <td>Palu debris flow disaster investigation, and others</td> </tr> <tr> <td>Total</td> <td>24</td> <td></td> </tr> </tbody> </table>	Year	Number of investigation	Remarks	2001	2	Debris flow disaster investigation in Niasu island, and others.	2002	6	Volcano disaster investigation, and others	2003	6	Bahorok disaster, and others	2004	4	Mount. Bawakaræng disaster investigation, and others	2005	6	Palu debris flow disaster investigation, and others	Total	24		
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		3) No. of cases of advice and suggestions for rehabilitation of devastated areas	Project report	18 cases: Number of cases of advice and suggestions done by year are as follows.																						
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		4) No. and status of investigation manuals	Project report	A manual to investigate sediment-related disaster is under preparation and a first draft manual will be developed by the end of the Project.																						
	6. Popular rainfall gauges etc. are developed and distribution plan is made (Develop popular rainfall gauges etc.)	1) No. of developed products	Project report	4 kinds and 8 rainfall gauges have been developed. Among those rainfall gauges, 2 kinds of the prototype of popular rainfall gauge are selected and improvement is underway. (A kind of automatic recording type and a simplified type with alarm.) In case of the automatic recording type, it is necessary to do laboratory test and field test in order to verify and modify.																						
		2) No. of operational guidelines	Project report	2 kinds: First draft on guideline on the use of the developed rainfall gauges will be developed by the end of the Project. (A installation manual and users manual)																						

Items		Required information/ data (Indicator)	Information source	Findings
Main items	Sub items			
	7. Database system for Sabo information is established (Establish database system for Sabo information)	<p>1) No. of input data</p> <p>2) No. of contents</p> <p>3) No. of cooperative institutions (data collection, data provision)</p> <p>4) Status of management guidelines</p> <p>5) No. of collected documents in the library</p>	Project report	<p>4 kinds of input data:</p> <p>(1) Disaster information based on the articles of the newspapers and the data of investigation.</p> <p>(2) Data of the telemeter system for the Merapi model area (daily observation data such as rainfall and river discharges, etc.)</p> <p>(3) Database of the Sabo facilities in Indonesia (kind and location of existing Sabo facilities)</p> <p>(4) Data of the documents in the Yokota's library</p> <p>Access to these data is possible in STC and the Research Center for Sabo (RCS) through computer.</p> <p>In addition, Homepage of the Project has been developed in English, Indonesian and Japanese. Design of database system (documents of Yokota's library) is developed. (A part of data has been input in the database.)</p> <p>4 contents as mentioned above: Homepage of the Project (in English, Indonesian and Japanese) has been maintained. Data of the documents of the Yokota's library are inputting and data input will be accomplished by the end of the Project.</p> <p>1 case: Homepage of the Project (in English, Indonesian and Japanese) is linked with the Homepage of the Ministry of Public Works.</p> <p>A guideline: Users guideline for the database system (documents of the Yokota's library) is under development (partially completed) and a draft guideline will be developed by the end of the Project.</p> <p>5,000 documents related Sabo</p>

Annex 11 List of the participants for the WIDE course

(1) 1st course from March 5 to March 30, 2002

No.	Name	Organization
1	Ir. Edy Arifin, Spl NIP. 110019647	PIPWS of Jeratun Seluna River basin project
2	Wilopo, Spl NIP. 110032327	Mt. Kelud Project, Kediri, East Java
3	Sukibi, BE.ATP NIP. 500053908	Irrigation Sub-bureau of Purworejo Regency, Central Java
4	Danny Pandeirot, ST NIP. 110041494	Water Resources Dept. of North Sulawesi Province
5	Abd. Hanif, ST NIP. 110026085	Natural Resources Dept, in Eastern Region
6	Chaminoedin, ST NIP. 5000331335	PSD Sub bureau, Public Works Dept. of Cilacap Regency,
7	Ir. Adi Muritno, Spl NIP. 500089797	Public Works Dept. of Magelang Regency
8	Ir. Ariono Poerwanto, BP NIP. 500103985	Mining and Energy Dept. of Banyumas Regency
9	Tosan Subiyantoro, ST NIP. 110044099	BPSDA – MSTB, Natural Resources Sub-bureau of Lampung Province
10	Ir. Akhmad Hayat NIP. 110053251	Irrigation Sub-bureau, Public Works Dept., of South Sumatra Province
11	Sunaryo HS, BE NIP. 110033264	PSAPB Project of Yogyakarta
12	Fauzan Darmadi, ST NIP. 490030748	Local Government of Sleman Regency
13	Soipudin Damas, BE NIP. 500096809	Agency for Regional Development of Kebumen Regency
14	Suyono, SST NIP. 110054303	Bengawan Solo River Basin Project
15	I Wayan Suardana, ST NIP. 110054478	Public Works Department of Bali Province
16	Ir. Herry Setyobudi, Spl NIP. 110035219	PIPWS Serayu Bogowonto River Basin Project
17	Saidi, ST NIP. 110028846	Natural Resources Dept, in Western Region
18	Qomaru Zaman, ST NIP. 110024773	Natural Resources Sub bureau of West Sumatra
19	Ir. H. Mahazirin, HS NIP. 440015620	PSAPB Project, South Sumatra
20	Jose A.T Da Silva, ST NIP. 010167005	Public Works Dept., Bina Marga Sub bureau of Kulon Progo Regency
21	Ikana Dhani, ST NIP. 110054630	Natural Resources Sub Bureau of Central Java Province
22	Agus Safari, ST NIP. 110054630	Natural Resources Dept, Eastern Region

(2) 2nd course from July 16 to August 7, 2002

No.	Name	Organization
1	Ir. Sunarko, Spl NIP. 510051834	Irrigation Sub bureau, Public Works Dept. of East Java Province
2	Nardi, BE NIP. 500042571	Mining and Energy Dept. of Banyumas Regency
3	Musdi, Aht NIP. 110036674	KIMPRASWIL dept of Central Sulawesi Province
4	Bambang Susilo, BE NIP. 110054956	Public Works Dept. of Klaten Regency
5	Ir. Sohirin NIP. 110025783	Public Works Dept of Purbalingga Regency
6	Darmanto, A.Md NIP. 500060906	Irrigation Sub bureau of Kebumen Regency
7	Djoko Rahmanto, A.Md NIP. 500089711	Natural Resources Bureau of Central Java Province
8	Sri Budiarti, S.Si NIP. 490031336	Agency for Regional Dept of Kulonprogo Regency
9	Tugino, BE NIP. 110042637	Debris Flow Mitigation Project of Mt. Merapi
10	Eddy Prasetyotomo, Dipl.ATP, ST NIP. 110018787	Mt. Kelud Project, Kediri, East Java
11	Tarto, BE NIP. 50005519	Irrigation Sub bureau, Natural Resources Dept. of Purworejo Regency
12	Fatizaro Hulu, ST NIP. 110038215	Opak – Oyo Project, Natural Resources Center of Yogyakarta Province
13	Bambang Suswanto, Amd NIP. 500107055	Staff of Public Work Dept of Cilacap Regency
14	Haryono Wahyudi, ST NIP. 500106722	Staff of Agency for Regional Dept. of Kebumen Regency
15	Saiful Bahri, ST NIP. 010258842	Mining Sub bureau of Sleman Regency
16	Budi Riyanto, Amd NIP. 500096492	Public Works Dept of Magelang Regency
17	Tarmedi, BE NIP. 480084830	Natural Resources Sub- bureau of Tasikmalaya Regency
18	Suseno Ajihartono, Amd NIP. 500105188	Public Works of Banjarnegara Regency
19	Ir. Purwoko Sujatmanto NIP. 490030688	Mining Dept of Sleman Regency
20	Sudjoko, Amd NIP. 500089756	Natural Resources Sub bureau of Central Java Province