

3. Water Resources/ Disaster Management

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| Integrated Water Resource Management 総合水資源管理 | | 1684461 |
| | | Continuing |
| | | 26 participants |
| Target Countries : _____ | | |
| Course No. : J1604377/J1604391 | | |
| Sector : Water Resources/Disaster Management/Comprehensive Water Resources Management | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| This program is designed for an administrative officer to gain the knowledge and to plan countermeasures against Water Resources Management issues in the respective countries by applying the concept of Integrated Water Resources Management (IWRM). | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 This course aims at the capacity development of the participants on the planning and implementation of IWRM. 【Outcome】 1. To understand the concept of IWRM 2. To understand the hydrological and water-demand-supply balance, the methods of monitoring, assessment and analysis for planning and implementing of IWRM 3. To understand the water resource development plan, the fair and efficient water utilization plan, the planning methods and the practice of IWRM 4. To understand the causes of water conflicts among different sectors, regions and those of between upstream and downstream, and to get the clues to solve water conflicts 5. To formulate an action plan to implement IWRM in the certain river basin by prioritizing current problems and solving them by using acquired skills in the training course | | 【Target Organization】 Administrative organization or a department of central/local government concerning with IWRM or River Basin Organizations (RBOs) 【Target Group】 1. To be responsible for a plan on implementation of IWRM in an administrative organization or a department of central/local government or RBOs 2. To have more than 5 years of occupational experience in water resources management |
| Contents | | Course Period |
| 【Lecture】 Outline of IWRM, Global Warming issues and its impact 【Lecture】 Surface and ground water -Development/Utilization/Administration-, Water demand management (domestic and agricultural water), Sustainable groundwater use, Water supply and demand control in waterworks side 【Lecture /Site Observation】 Monitoring water table and land subsidence 【Lecture】 Outline of water resources policy in Japan, Application of Japanese efficient water use and advanced water related technologies to foreign countries 【Lecture / Site Observation】 Integrated dam operation and drought adjustment 【Lecture/Site Observation/Discussion】 Consensus building for comprehensive river development, Utilization of Decision Support System, Implementation of IWRM in international rivers, Case study of water conflict management in Japan and the world, Planning process with conflict management 【Discussion】 Job Report Presentation, Action Plan Presentation | | 2016/05/11 ~ 2016/06/04 |
| | | Implementing Partner |
| | | Japan Water Agency |
| | | Department in Charge |
| | | Global Environment Department |
| | | JICA Center |
| | | JICA Tokyo (Economy&Env.) |
| | | Cooperation Period |
| | | 2015~2017 |
| | | Remarks and Website |
| | | (A) 2016/05/11-2016/06/04 (English:Tokyo) (B) 2016/08/28-2016/09/17 (English:Tokyo) |

Target Countries : Pacific Island Countries

Course No. : J1604001

Sector : Water Resources/Disaster Management/Comprehensive Water Resources Management

Sub-Sector : Water Resources/Disaster Management/Other Water Resources/Disaster Management Issues

Language : English

Outline

Participants are expected to learn the concept of Integrated Water Resources Management including water Policy and drought prevention program, but to formulate a network of the personnel of water sector in Pacific Island Countries.

| Objective/Outcome | Target Organization / Group | |
|---|---|---|
| <p>【Objective】 [Objective]</p> <p>To improve capacity for organizational management and waterworks of the concerned government by transferring Okinawa's knowledge and skills about water resources management and effective use which is applicable to Island countries.</p> <p>【Outcome】 [Outcome]</p> <ol style="list-style-type: none"> 1. To acquire policy of water resources and integrated water resources management in Okinawa 2. To acquire methods of water source development in Islands area and study the possibility of application to own country. 3. To acquire methods of water resource management in Islands area and study the possibility of application to own country. 4. To acquire Ecological Purification System (slow sand filtration system) and water supply system of Islands area and to be able to plan to introduce their own countries | <p>【Target Organization】 Water Authority and Relevant Ministry/Agency</p> <p>【Target Group】 Water Authority or senior engineer in the field of water supply more than five(5) years of work experience in the field water supply.</p> | |
| <p>Contents</p> <ol style="list-style-type: none"> 1. Water related policies and changes in Water Service in Japan and Okinawa. 2. Concept and necessity of integrated water resources management in Okinawa. 3. Water resources development in small rivers, the case of Okinawa. 4. Countermeasures for fresh water lens and underground dam. 5. Water resources management and water cycle in Islands area. 6. Environmental conservation and Regional development. 7. Ecological Purification System (Slow Sand Filtration) on underground water and river source. 8. Maintenance and control of Water Treatment Plant (remove the sand, water level, etc.,) 9. Water leakage detection and repair, Countermeasure for non-revenue water, Public services, Reading and Collecting water rate, Water quality control system, Management analysis. 10. Planning method for improvement of waterworks management. | <p>Course Period</p> | <p>2016/06/15 ~ 2016/08/24</p> |
| | <p>Implementing Partner</p> | <p>Under Planning</p> |
| | <p>Department in Charge</p> | <p>Global Environment Department</p> |
| | <p>JICA Center</p> | <p>JICA Okinawa</p> |
| | <p>Cooperation Period</p> | <p>2016~2018</p> |
| | <p>Remarks and Website</p> | <p>Okinawa Prefectural Enterprise Bureau. http://www.pref.okinawa.jp/site/chijiko/kohokoryu/foreign/english/index.html</p> |

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| Non-Revenue Water Management (Leakage Control) 上水道無収水量管理対策(漏水防止対策) | | 1684464 Continuing |
| Target Countries : _____ | | 31 participants |
| Course No. : J1604311/J1604312/J1604263 | | |
| Sector : Water Resources/Disaster Management/Urban Water Supply | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| Capacity development in non-revenue water management including detection and prevention of leakage, analysis of leakage volume, and planning of leakage prevention, through practical training contents such as practical exercises, field visits, practical lectures, and a knowledge sharing among participants. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 Action Plans for the respective cities is implemented and non-revenue water management on participant's organization is strengthened. | | 【Target Organization】 Department of water supply in central/local governments, or other public organizations |
| 【Outcome】 1. (Module-1) Participants can explain a comprehensive technique and knowledge on non-revenue water. 2. (Module-2) Participants can operate leakage detection equipment. 3. (Module-3) Participants can analyze distribution flow and leakage volume. 4. (Module-4) Participants can explain planning of leakage prevention. 5. (Module-5) Participants can explain practical knowledge and techniques of design and construction supervision. 6. (Module-6) Action Plans on non-revenue water management will be proposed for the respective cities. | | |
| Contents | | Course Period |
| 1. (Module-1) (1) Outline of water supply business and non-revenue water management of a local government in Japan (2) Relationship between non-revenue water and water supply management 2. (Module-2) (1) Characteristics of leakage (2) Mechanism and operation method of leakage detection equipment 2. (Module-3) (1) Analysis of distribution flow and leakage volume 3. (Module-4) (1) Planning of leakage prevention work (2) Cost-effectiveness analysis 4. (Module-5) (1) Design and supervision of main facilities (2) Rehabilitation and replacement of pipes 5. (Module-6) (1) Preparing and sharing the Action Plan | | Implementing Partner |
| | | Department in Charge |
| | | JICA Center |
| | | Cooperation Period |
| | | Remarks and Website |
| | | 2016/09/07 ~ 2016/10/22 (A) Nagoya City Waterworks & Sewerage Bureau, Toyohashi City Waterworks & Sewerage Bureau, Hamamatsu City Waterworks & Sewerage Global Environment Department JICA Chubu/JICA Kyushu 2014~2016 (A) 2016/09/07-2016/10/22 (English: Chubu) (B) 2016/11/03-2016/12/17 (English: Chubu) (C) 2016/11/06-2016/12/09 (English: Kyushu) |

Target Countries :

Course No. :J1604303/J1604359

Sector :Water Resources/Disaster Management/Urban Water Supply

Sub-Sector :

Language :English

Outline

This intensive and practical training aims technical transfer and dissemination, especially targeting at field engineers who are engaged in "Water Quality and Purification" in Urban Water Supply organizations in developing countries.

| Objective/Outcome | Target Organization / Group | |
|--|---|-------------------------|
| <p>【Objective】 <Course Objective> This program aims at Human resource development for "Water Quality and Purification", and applicable knowledge and techniques of this field being obtained through the training course in Japan are shared among engineers.</p> <p>【Outcome】 <Expected Module Outputs> 1. Participants will be able to understand general theory of Japanese water supply and sewerage system. and to explain to the others. 2. Participants will be able to acquire the knowledge and skills of operation, maintenance and administration of "Water Quality and Purification" in Osaka City, and to explain it to others. 3. Participants are able to acquire basic techniques of "Water Distribution and Service" in Osaka City and to explain it to others. 4. Participants are able to draw up Action Plan relating to the "Water Quality and Purification" and being applicable to the organization of the participant at the end of the course in Japan</p> | <p>【Target Organization】 Organization in charge of Operation and Maintenance of Urban Water Supply System</p> <p>【Target Group】 <Target Group> 1. Engineers working in organizations in charge of " Water Quality and Purification" of urban water supply system, and responsible for the training of other engineers 2. More than 5 years of experience in the above-mentioned field</p> | |
| Contents | Course Period | 2016/07/06 ~ 2016/08/11 |
| <p>【Activity in Preliminary Phase in home country】 1. Discuss issues and clear assignments for the participants among participating organizations. 2. Submit Inception Report and Questionnaire</p> <p>【Activity in Core Phase in Japan】 <Lecture> (1) Water quality control (2) Management of intake, purification and distribution. (3) Disaster Management <Visitation> (1) Facilities of water intake, distribution, purification (2) Pump Manufacturer (3)Water Science Museum <Practice> (1) Check and Maintenance of Water Leakage (2)Management of Water Purification Facility (3)Check and Maintenance of Water-chemistry-control apparatus <Discussion> (1)Consultation (2)Discussion among participants for drawing up Action Plan <Activity in Finalization Phase in home country> Disseminate Action Plan to the engineers in participating organizations within 4 months after the training</p> <p>【Remarks】 (A) 2016/07/06-2016/08/11 (English:Kansai) (B) 2016/07/04-2016/08/06 (English:Kansai) First 8 working days of technical training in Japan is to be conducted together with "Water Supply and Distribution" course, thus it's possible to learn its basic knowledge and skills as well.</p> | <p>Implementing Partner Osaka Municipal Waterworks Bureau, Kobe City Waterworks Bureau</p> <p>Department in Charge Global Environment Department</p> <p>JICA Center JICA Kansai (I)</p> <p>Cooperation Period 2015~2017</p> <p>Remarks and Website</p> | |

Target Countries :

Course No. : J1604384/J1604119

Sector : Water Resources/Disaster Management/Urban Water Supply

Sub-Sector :

Language : English

Outline

This intensive and practical training aims technical transfer and dissemination, especially targeting at field engineers who are engaged in "Water Distribution and Service" in Urban Water Supply organizations in developing countries.

| Objective/Outcome | Target Organization / Group | |
|--|--|---------------------------------------|
| <p>【Objective】 【Program Objective】 This program aims at Human resource development for "Water Distribution and Service", and applicable knowledge and techniques of this field are shared among engineers.</p> <p>【Outcome】 【Expected Outputs】 1. Participants will be able to understand General Theory of Water Supply Utilities of Japan and explain to the others. 2. Participants will be able to acquire the knowledge and skills of development of distribution network and maintenance and explain to the others. 3. Participants will be able to acquire the knowledge and skills of maintenance and water quality management of Water Purification Plant and explain to the others. 4. Participants will be able to draw up an Action Plan aimed at tackle issues of the knowledge and technique by utilizing the outcomes acquired through the Core Phase Program in Japan.</p> | <p>【Target Organization】 Organization in charge of operation and maintenance in urban water supply system 【Target Group】 1. Engineers working in organizations in charge of "Water Distribution and Service" of urban water supply system, and responsible for the training of other engineers. 2. More than 5 years of experience in the above-mentioned field.</p> | |
| Contents | Course Period | 2016/07/06 ~ 2016/08/11 |
| <p>【Preliminary Phase】 1. Participants will be able to summarize the present status, issues and problems concerning their respective countries in Country Reports. 【Core Phase in Japan】 1. Lecture and Issue Analysis Workshop: Disaster Management, Maintenance of pipelines and water supply, Management of intake and distribution facilities 2. Observation: Factory of water supply equipment, Water origin, Facilities of water intake, drainage, purification 3. Practical of training: Leakage Detection, Management of pipelines and water supply, technical trainers' training "Management of intake and distribution", trainers' training "Draft and present technical instruction plan". 【Finalization Phase】 1. Sharing and implementing of the Action Plan in the participant's organization, Submission of the Progress Report during the Core Phase in Japan. 【Remarks】 (A) 2016/07/06-2016/08/11 (English: Kansai) (B) 2016/06/27-2016/08/12 (English: Chugoku) (B) course is characterized by both theoretical lectures and practical training for contributing the development of mid-level technical personnel comprehensively.</p> | <p>Implementing Partner</p> | <p>Under Planning</p> |
| | <p>Department in Charge</p> | <p>Global Environment Department</p> |
| | <p>JICA Center</p> | <p>JICA Kansai (I) / JICA Chugoku</p> |
| | <p>Cooperation Period</p> | <p>2015~2017</p> |
| | <p>Remarks and Website</p> | |

Target Countries :

Course No. :J1604389/J1604392

Sector :Water Resources/Disaster Management/Urban Water Supply

Sub-Sector :

Language :English

Outline

This course is designed for executive officers of water supply administration or waterworks bureau to share experience in Japan on administration for safe and stable water supply such as regulation, O&M, water quality control, countermeasures for non-revenue water, and PI. This course focuses on "sound management of waterworks" through discussions with executives/experts related to waterworks in Japan.

| Objective/Outcome | Target Organization / Group | |
|--|--|--|
| <p>【Objective】 To understand water supply administration, management and operation and maintenance in Japan, in particular, water quality control, measures against non-revenue water and water supply standards, to clarify the future subjects through sharing information and to formulate an improvement plan on the feasible basis.</p> <p>【Outcome】 (1)Sharing information on current situations and key problems in the participating countries through country report presentations, discussions, lectures and field visit, to draft and submit practical improvement plan on management of water supply services. (2)To be able to prioritize the issues to promote better management of water supply services by referring the Japanese administration, management and operation and maintenance. (3)To be able to aim a safe water supply by referring the Japanese water quality management, water safety plans, and water quality standards. (4)To be able to prioritize the issue to tackle on measures for reduction of non-revenue water (leakage) by referring the Japanese experiences. (5)To be able to understand the water supply service standards, water supply management guidelines and</p> | <p>【Target Organization】 The division / department in charge of administration and/or management of water services in central / local government / waterworks bureau</p> <p>【Target Group】 To be senior administrative officers or expected future administrative officers of water services in central / local government / waterworks bureau, To have sufficient experience in the field of water supply administration and management</p> | |
| Contents | Course Period | 2016/06/05 ~ 2016/06/18 |
| <p>【Discussion】 Country Report Presentation</p> <p>【Discussion】 Improvement Plan Preparation and Presentation</p> <p>【Lecture】 Water supply Administration in Japan - History and Current situations -, 【Lecture】 Experiences of Tokyo Waterworks Bureau 【Lecture, Discussion】 Sound Management of Urban Water Supply Service 【Lecture, Discussion】 Asset Management, Crisis Management</p> <p>【Lecture, Discussion】 Public-Private Partnership</p> <p>【Field Observation】 Training Center 【Lecture, Discussion】 Public Health and Water Supply</p> <p>【Lecture, Discussion】 Water quality control, Water Safety Plan and PI</p> <p>【Lecture, Practice】 Measures for reduction of non-revenue water (Relation to financial management & Water Quality)</p> | Implementing Partner | Japan International Corporation of Welfare Service |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Tokyo (Economy&Env.) |
| | Cooperation Period | 2016~2018 |
| Remarks and Website | (A) 2016/06/05-2016/06/18 (English:Tokyo) (B) 2016/10/16-2016/10/29 (English:Tokyo) | |

Target Countries :

Course No. : J1604378/J1604232

Sector : Water Resources/Disaster Management/Urban Water Supply

Sub-Sector :

Language : English

Outline

This program is designed for core engineers of medium - large waterworks to learn overall skill and knowledge related to planning, designing, and operation and maintenance to supply safe and stable drinking water. In addition, participants are requested to clarify the issues of their organizations and formulate an action plan for future activities by utilizing knowledge obtained through this program.

| Objective/Outcome | Target Organization / Group | |
|---|--|---|
| <p>【Objective】 To learn methodology of basic planning of system and facilities for safe and stable drinking water supply based on a mid- to long- term plan. And with this, to clarify the issues that respective organizations have encountered and formulate an action plan for future activities by utilizing knowledge and know-how through this program.</p> <p>【Outcome】 (a) To understand the Japanese water supply systems and technologies (b) To learn methodology of basic planning and designing of system and facilities (c) To understand and compare related laws and regulations in Japan, and functions and roles of Japanese related entities (d) To clarify the issues of water supply systems of participants countries (e) Through information and skill from this training, to formulate an action plan for future improving activities and to share the plan in respective organizations</p> | <p>【Target Organization】 Departments of water supply planning or designing in a water supply utility, central/local government 【Target Group】 To be or expected an engineer in the formulation of waterworks plan with more than 5 years of experience in water supply</p> | |
| Contents | Course Period | 2016/06/01 ~ 2016/08/13 |
| <p>【Discussion】 Country Report Presentation 【Lecture, Site Observation】 Related Laws and Regulations for water supply systems in Japan, Mid- to Long- Term Plan of Waterworks in Japan, Waterworks Management and Tariff System in Japan, Public Private Partnership, Observation of Manufacturing Factory, Sanitation Research Organization, Small-scale Hydraulic Case Study for Disaster Management 【Lecture, Site Observation】 Water Purification Process, O/M of Distribution , Countermeasures of Water Leakage 【Practice】 Pipeline Network Analysis (hydrologic), Water Demand Forecasting, Basic Planning and Design (Pipeline Network, Water Purification Facility, Water Supply Systems) 【Discussion】 Action Plan Formulation and Presentation</p> | Implementing Partner | Japan Water Works Association, Sapporo Water Works |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Tokyo (Economy & Env.)/JICA Hokkaido (Sapporo) |
| | Cooperation Period | 2016~2018 |
| | Remarks and Website | (A) 2016/06/01-2016/08/13 (English:Tokyo) (B) 2016/06/01-2016/08/13 (English:Hokkaido (Sapporo)) |

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| African Region Urban Waterworks Engineering アフリカ地域都市上水道技術者養成 | | 1684476 |
| | | Continuing |
| Target Countries : African Countries | | 12 participants |
| Course No. : J1604286 | | |
| Sector : Water Resources/Disaster Management/Urban Water Supply | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| <p>There are still many countries and regions in need of safe water in developing countries. The world population that exceeded seven billion in 2011 continues to grow, and is expected to reach nine billion by 2050. Most of this population growth is taking place in developing countries where, in most cases, leads to increased urban populations. In 2010, urban populations comprised 50.6% of the world population, and are expected to reach 70% by 2050 (with considerable urban concentration, particularly in Asia and Africa). How to provide ever-increasing urban residents with stable water supply services is a major challenge faced by water supply utilities in developing countries.</p> <p>Responding to this situation, Japan has been actively playing its international role to tackle with this challenge as one of the leading countries in the field of water supply.</p> <p>In May 2008, the 4th Tokyo International Conference on African Development (TICAD IV) was held in Yokohama, Japan, and the necessity of continuous support on water supply to the Africa was recognized. Since then, JICA in corporation with the City</p> | | |
| Objective/Outcome | Target Organization / Group | |
| <p>【Objective】 This program aims to develop action plans to solve the problems in each participant's waterworks utility in his/her nation.</p> <p>【Outcome】 1. To understand the overall waterworks in Yokohama, and to be able to compare with the situation of the respective country 2. To understand the principal waterworks, such as water supply system, NRW and maintenance of facilities and to be able to compare with the situation of the respective country 3. To understand the integrated/ efficient water management system considering environment 4. To formulate the Action Plan to resolute the specific issue(s)</p> | <p>【Target Organization】 This program is offered to middle class engineers in the waterworks utilities, and senior technical officers in charge of waterworks engineering in the central or provincial government, or in the local bodies</p> <p>【Target Group】 1. Senior technical officers in charge of waterworks engineering with more than 10 years of practical experience. 2. Graduates degree or the equivalents with an academic background in waterworks engineering. 3. Have a sufficient command of English.</p> | |
| Contents | Course Period | 2016/07/04 ~ 2016/08/04 |
| <p>【Preliminary Phase】 1. Participants shall prepare detail information of background, after the discussion with their supervisors and colleagues on the specific issue of the utilities in order to solve or find a trigger of the issue.</p> <p>【Core Phase in Japan】 1. Lectures, observations, and discussions on followings will be conducted. (1) Inception Report Presentation (2) Water Safety Plan (3) History, system, and challenges of water works in Japan (4) Basic water works technology, such as filtration plan mechanism, water purifying, water supply system, prevention of water leakage, reduction of non-revenue water in Japan. (5) Conservation of water resource forest, water quality control, distribution block management, aged pipe renewal plan, water tariff system, management and fiscal balance plan, customer service and public relations (6) Site visit to water intake facilities, water treatment plant, ground water facility and training yard for pipeline maintenance etc. 2. Development of the draft action plan, and its presentation and discussion.</p> <p>【Finalization Phase】 1. To share the action plan and implementation in each participant's home country</p> | Implementing Partner | Yokohama Water |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Yokohama |
| | Cooperation Period | 2014~2016 |
| | Remarks and Website | |

Target Countries : African Countries

Course No. : J1604018/J1604101

Sector : Water Resources/Disaster Management/Rural Water Supply

Sub-Sector :

Language : English/French

Outline

Many African countries are still facing a major challenge in the severe shortage and the lack of appropriate operation and maintenance (O&M) system of water supply facilities especially in rural areas. In the Sustainable Development Goals (SDGs) which was adopted in 2015, "access to clean water and sanitation" is also set as one of the 17 global goals, and it aims to secure a universal access to safe drinking water by 2030". Besides, especially in the relatively small-scaled communities in rural areas, active participation and cooperation of the community residents are necessary for the sustainable O&M system of water supply facilities such as deep wells. This program aims to confirm basic techniques for the proper water supply and O&M system of water supply facilities in rural areas, and to advance necessary knowledge for ensuring a "participatory" and "gender-sensitive" O&M system in the small-scaled rural communities.

| Objective/Outcome | Target Organization / Group | |
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| <p>【Objective】 Analyzing the challenges in terms of water supply and operation and maintenance system in rural areas, necessary and sound countermeasures are proposed with utilizing the outcomes of the training in japan.</p> <p>【Outcome】 1) Analyze current situation and problems on water supply and operation and maintenance (O&M) system in rural areas 2) Understand necessary knowledge and basic techniques for safe drinking water supply and O&M system of water supply facilities in rural areas 3) Examine the appropriate and sustainable O&M system of water supply facilities by reference to the experiences of Japan and the other countries 4) Examine necessary measures for improving water supply and ensuring proper and sustainable O&M system of water supply facilities in rural areas as an "Action Plan"</p> | <p>【Target Organization】 The departments of rural water supply and/or O&M service in the central or loral government</p> | <p>【Target Group】 Central or local government officials in charge of for rural water supply and/or O&M of water supply facilities ・ have more than 3 years' practical experience in the relevant field ・ have a competent language skill ・ be under forty-five (45) years old</p> |
| Contents | Course Period | 2016/05/05 ~ 2016/06/11 |
| <p>【Preliminary Phase】 ・ Preparation and submission of country report</p> <p>【Core Phase in Japan】 <Lecture> water quality control, water treatment, O&M of small-scaled water supply system in rural areas, maintenance of water supply facilities (pumps), sanitation, gender and water, integrated water resource management, etc. <Site-visit> (A) Furano-city and Higashikawa-town (Hokkaido), Numata-city (Gunma) (B) Takamatsu-city (Kagawa) <Group discussion> small-scaled water supply and O&M system (case study) <Practice> participatory approach for the control of disarrheal diseases, PCM workshop, preparation and presentation of action plan</p> <p>【Finalization Phase】 ・ Preparation and submission of progress report</p> | Implementing Partner | (A) Earth & Human Corporation (B) Under planning |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Hokkaido (Sapporo)/JICA Shikoku |
| | Cooperation Period | 2016~2018 |
| | Remarks and Website | (A) 2016/05/05-2016/06/11 (French:Hokkaido (Sapporo)) (B) 2016/10/24-2016/12/10 (English:Shikoku) |

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| Flood disaster risk reduction 洪水防災 | | 1684478 Updated |
| Target Countries : Flood disaster-prone countries | | 20 participants |
| Course No. : J1604013 | | |
| Sector : Water Resources/Disaster Management/Wind and Flood Disaster(Flood Control) | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| This program aims to develop the participants' capacity to practically manage and reduce risk of flood disasters in local levels in developing countries which are suffering from flood disasters consistently. | | |
| Objective/Outcome | | Target Organization / Group |
| <p>【Objective】 The participant's capacity to practically manage and reduce risk of flood disasters in developing countries which is suffering from flood disasters consistently will be enhanced.</p> <p>【Outcome】 (1) To be able to explain basic concept and theory on generation process of flood disasters, hazard risk evaluation, disaster risk management policy and technologies.</p> <p>(2) To be able to explain basic concept and theory on flood countermeasures including landslide and debris flow.</p> <p>(3) To formulate the countermeasures to solve the problems and issues concerning flood disasters in participants' countries by applying techniques and knowledge acquired through the program.</p> | | <p>【Target Organization】 Governmental organizations concerning river management or flood-related disasters</p> <p>【Target Group】 Technical officials, engineers or researchers who are expected to be core human resources in the organization. Those who have three or more year of experience in the field of river management or flood-related disasters in governmental organization.</p> |
| Contents | | Course Period 2016/10/02 ~ 2017/09/16 |
| <ul style="list-style-type: none"> • Lectures, exercises and site visits on social engineering knowledge required in flood control (disaster management policy, disaster management, integrated flood risk management, local disaster management) • Lectures, exercises and site visits on theoretical knowledge required in flood control (hydrology, hydraulics, river engineering, etc.) and practical knowledge required in flood control (sediment transportation, sabo engineering, dam engineering, etc.) • Lectures and exercises on theory and practice of problem-solving methods (Project Cycle Management, etc.) • Writing Master's thesis/ Action Plan | | <p>Implementing Partner Public Works Research Institute GRIPS</p> <p>Department in Charge Global Environment Department</p> <p>JICA Center JICA Tsukuba (Training)</p> <p>Cooperation Period 2016~2018</p> <p>Remarks and Website Continue of Target group: Those who are university graduates, preferably in civil engineering, water resource management, disaster mitigation, or related department. English proficiency: TOEFL iBT 79</p> |

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| Capacity Development for Flood Risk Management with Integrated Flood Analysis System (IFAS) 統合洪水解析システム(IFAS)を活用した洪水対応能力向上 | | 1684479 |
| | | Continuing |
| Target Countries : Countries or areas frequently affected by floods | | 22 participants |
| Course No. : J1604050 | | |
| Sector : Water Resources/Disaster Management/Wind and Flood Disaster(Flood Control) | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| This training course aims to mitigate flood damage by strengthening the participating countries' coping capacity including the development of local flood risk management plans with early evacuation of local residents through the application of the Integrated Flood Analysis System (IFAS) to flood vulnerable areas. | | |
| Objective/Outcome | | Target Organization / Group |
| <p>【Objective】 Coping capacity for flood damage mitigation including appropriate flood forecasting and early evacuation of residents is strengthened in each participating country.</p> <p>【Outcome】 The participants are expected to become able to:</p> <ol style="list-style-type: none"> 1. Understand the problems and possible solutions for flood damage mitigation based on the analysis of flood risk management concept, system or structures in the respective countries. 2. Understand concept and actual calculation of run-off and flood analyses and flood risk management by learning the operation of IFAS and outline of disaster management/ evacuation plan. 3. Develop draft local flood management plan (Action Plan) for a flood vulnerable area. 4. To report about the presentation of the draft local flood management plan (Action Plan) to JICA as Final Report . | | <p>【Target Organization】 National / local governmental organizations responsible for flood forecasting, early warning system, flood risk management and flood prevention / evacuation of residents</p> <p>【Target Group】 Government officials in charge of meteorological observation, river management, and flood prevention / evacuation of the same river basin in each participating country</p> |
| Contents | | Course Period |
| <p>【Preliminary Phase】 The applicants submit Inception Reports describing social and hydrological data, current situation and issues of flood risk management for selected target flood vulnerable area.</p> <p>【Phase in Japan】 The participants are expected to acquire knowledge and skills through lectures, exercises and study tours briefly explained below.</p> <ol style="list-style-type: none"> 1. PCM exercise to improve objective problem-analysis skills 2. Lectures on flood countermeasures 3. Lectures and exercises on run-off and flood analyses including operation of IFAS 4. Study tours on flood countermeasures (including early flood forecasting/warning systems and interviews with local municipalities) 5. Development of a feasible local flood risk management plan by applying IFAS to the target flood vulnerable area in his/her country 6. Town Watching to obtain skills for development of Hazard Map <p>【Finalization Phase】 The participants present their flood management plans (Action Plans) in their organizations, and submit the meeting minutes (and finalized Action Plan, if possible) to JICA within three months after they return.</p> | | <p>Implementing Partner Public Works Research Institute (PWRI)</p> <p>Department in Charge Global Environment Department</p> <p>JICA Center JICA Tsukuba (Training)</p> <p>Cooperation Period 2015~2017</p> <p>Remarks and Website</p> |

Target Countries : Countries and areas which have to manage surface water (river etc.)

Course No. : J1604408

Sector : Water Resources/Disaster Management/Wind and Flood Disaster(Flood Control)

Sub-Sector : Water Resources/Disaster Management/Comprehensive Water Resources Management

Language : English

Outline

This program is designed for managerial officials to obtain and understand meanings, basic knowledge of technology and know-how of the meteorological and hydrological data observation as well as analytical technique and applied technology. In Japan, technology of flood control and water utilization has been developed based on the long-term observation and accumulated meteorological and hydrological data.

| Objective/Outcome | Target Organization / Group | |
|--|---|--|
| <p>【Objective】 This program aims to enhance knowledge for installation and utilization of the hydrological and meteorological data observation and management technology. (Surface water is the main target in this program)</p> <p>【Outcome】 1. To understand observation meanings, and observation technique and technology in the river basin for implementation of the flood control plan and the river water utilization plan 2. To understand technique and technology of the data sorting, data quality control, data filing and data management of the collected data 3. To understand the statistics and analytical technique including methodology of the river basin data 4. To understand necessity and importance of the application of the river basin meteorological and hydrological data to the flood control plan and the river water utilization plan as well as basic methodology of formulating the plans by the collected data 5. To understand methodologies of water level monitoring, water information</p> | <p>【Target Organization】 Administrative organizations/departments of the government for river/water resources management (including irrigation and river basin organizations)</p> <p>【Target Group】 1) Responsible for water resources management (water utilization and flood control) or the meteorological and hydrological data observation and management 2) Managerial officials or to have more than 10 years of experiences in the said fields</p> | |
| Contents | Course Period | 2016/11/06 ~ 2016/11/19 |
| [Preliminary Phase] Preparation and submission of country report | Implementing Partner | Japan Water Agency |
| [Core phase in Japan] Lectures, practical works, observations, and discussions on followings will be carried out. | | Department in Charge |
| 1Implementation structure in Japan for the river basin meteorological and hydrological data observation and management (comprehensive strategy, roles and responsibilities of organizations, rules, regulations and guidelines, necessary proficiency for the technical staff, points to consider for outsourcing), 2Practical routine and data management of the observation, 3Formulation and utilization of the flood control plan and the river water utilization plan, 4Cooperation with other organizations, and information sharing and disclosure, 5Practical routine for water level monitoring and flood alerts, 6O and M for the river structure and equipment, 7 Water examination in catchment area, reservoir and river, and water quality conservation, 8Information management for international river, 9Application to the climate change, 10Action plan presentation | JICA Center | JICA Tokyo (Economy&Env.) |
| | Cooperation Period | 2016~2018 |
| [Final Phase] Submission of reports | Remarks and Website | Staff in charge of making policy(rules, regulations and guidelines) is expected to participate in for the structure improvement. |

Target Countries : Countries or areas frequently affected by floods

Course No. : J1604002

Sector : Water Resources/Disaster Management/Wind and Flood Disaster(Flood Control)

Sub-Sector :

Language : English

Outline

Intensity and frequency of floods are expected to increase due to the effect of climate change. This training course, which targets to administrative officials responsible for water related disaster management, includes lectures, site visits and seminars on disaster management and flood control systems and measures in Japan to improve participants' capability to policy planning and its implementation.

| Objective/Outcome | Target Organization / Group | |
|--|---|-------------------------------|
| <p>【Objective】 The program aims to strengthen participants' own capabilities to make/develop policies and implement measures to reduce water related disaster damages through learning policies and systems on flood control and disaster management in Japan.</p> <p>【Outcome】 1. Participants clarify issues through analyzing damages, policies and plans on water related disaster in their countries. 2. Participants understand basic concepts and theories on flood control and disaster management as essential knowledge of river management. 3. Participants understand cases of implementation of flood control measures in Japan. 4. Participants design policies to solve issues on river management in their countries based on the knowledge acquired in this course.</p> | <p>【Target Organization】 Organization responsible for disaster management, flood control and watershed management</p> <p>【Target Group】 National/local official responsible for flood management/river management/disaster management. Bachelor degree and more than 5 years of work experience regarding flood control/disaster management/ water resource management. Good English skills</p> | |
| Contents | Course Period | 2016/05/22 ~ 2016/06/18 |
| <p>1. Preliminary Phase: Participants analyze damages and countermeasures/plans on water related disasters, summarize their results and make Inception Report on them.</p> <p>2. Core Phase in Japan: The program consisted mainly of MLIT's lectures, which contributes to capacity building on policy planning and its implementation, is conducted.</p> <p>Lectures: Rivers in Japan and Outline of River Governance, River Management Policy and Plan includes, Dam projects and systems in Japan, Hydrological observation and water disaster monitoring / prediction, Flood Fighting, Climate Change Adaptation, Maintenance of Flood control facilities, IWRM, etc.</p> <p>Field trip: Sites related to above lectures</p> <p>Excises: Draft, present and discuss on flood control action plan in participant' s country.</p> <p>3. Finalization Phase Participating organizations produce final outputs by making use of results brought back by participants. Participants submit Final Report on the progress on implementing action plans.</p> | Implementing Partner | Under Planning |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Tsukuba (Training) |
| | Cooperation Period | 2016~2018 |
| Remarks and Website | | |

| | | |
|---|--|--|
| Disaster management for landslide and sediment-related disasters (triggered by heavy rainfall, earthquake and volcanic activity) 土砂災害防止マネジメント(豪雨、地震、火山噴火起因) | | 1684481 Continuing 20 participants |
| Target Countries : _____ | | |
| Course No. : J1604387 | | |
| Sector : Water Resources/Disaster Management/Soil and Water Disaster | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| This course is designed for engineering officials or researchers in administrative organizations to enhance their knowledge on the phenomenon of disasters, method of survey, countermeasure planning, and administrative procedures, such as laws and regulations, budgetary system, implementation and maintenance, to implement effective countermeasures against landslide and sediment-related disasters. | | |
| Objective/Outcome | Target Organization / Group | |
| 【Objective】 Participants are expected to improve their skill and knowledge concerning disaster management for landslide and sediment-related disasters triggered by heavy rainfall, earthquake and volcanic activity 【Outcome】 1. to understand the process and phenomenon of landslide and sediment-related disasters (triggered by heavy rainfall, earthquake or volcanic activity) 2. to understand the methods of survey, observation, analysis and evaluation of landslide and sediment-related disasters (triggered by heavy rainfall, earthquake or volcanic activity) 3. to understand the plans for prevention and mitigation against landslide and sediment-related disasters (structural and non-structural measures) 4. to understand the structure of the governmental organization against landslide and sediment-related disasters | 【Target Organization】 Governmental organization involved in management for landslide or sediment-related disasters 【Target Group】 Engineering officials or researchers in administrative organizations with more than 3 years of experience in the field of disaster management for landslide and sediment-related disasters (triggered by heavy rainfall, earthquake or volcanic activity) | |
| Contents | Course Period | 2016/10/02 ~ 2016/12/10 |
| 1. Lecture concerning administration for disaster prevention (including law and regulation, budgetary system, countermeasure planning and disaster prevention education) 2. Lecture and field study concerning prevention for landslide and sediment-related disasters triggered by heavy rainfall, earthquake or volcanic activity 3. Group workshop and practice in a specific theme such as; (1) field survey after landslide and sediment-related disaster (2) formulation of countermeasure against landslide and sediment-related disaster (3) setup of standard precipitation for alarming and evacuation 4. Formation of Final Report and presentation | Implementing Partner | Sabo & Landslide Technical Center |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Tokyo (Economy&Env.) |
| | Cooperation Period | 2014~2016 |
| | Remarks and Website | former course title : Disaster Risk Management Technology on Volcanic Eruption, Debris Flow and Landslide |

Target Countries : Earthquake and tsunami disaster prone countries

Course No. : J1604067

Sector : Water Resources/Disaster Management/Earthquake Disaster

Sub-Sector :

Language : English

Outline

Developing countries are vulnerable to threats of earthquakes and tsunamis. This course aims to increase capacities of officials, engineers or researchers who are conducive to earthquake and tsunami disaster management. In this course, participants will acquire Japan's leading knowledge and technologies on Seismology, Earthquake Engineering and Tsunami Disaster Mitigation.

| Objective/Outcome | Target Organization / Group | |
|---|---|---|
| <p>【Objective】 Capacities of technical officials, engineers and researchers in the field of Seismology, Earthquake Engineering and Tsunami Disaster Mitigation who are conducive to earthquake and tsunami disaster management and disaster recovery policy are increased.</p> <p>【Outcome】</p> <ol style="list-style-type: none"> To acquire basic concepts and theories on Seismology, Earthquake Engineering, or Tsunami which are essential to establish the Earthquake Disaster Mitigation Scheme, To acquire basic concepts and theories on Seismic/Tsunami Hazard Estimation, Disaster Management and Disaster Recovery Policy in the fields of Seismology, Earthquake Engineering or Tsunami Disaster Mitigation which are essential to establish the Earthquake Disaster Mitigation Scheme. To complete a Master thesis for solving problems in participant's country applying techniques and knowledge acquired in the course. | <p>【Target Organization】 Governmental organs, research institutes or universities having public interest in Seismology, Earthquake Engineering or Tsunami Disaster Mitigation.</p> <p>【Target Group】</p> <ol style="list-style-type: none"> Technical officials, engineers or researchers having a university degree in Seismology, Earthquake Engineering, Tsunami or equivalent, and 3 years working experience. English proficiency equivalent to TOEFL PBT 550. | |
| Contents | Course Period | 2016/10/02 ~ 2017/09/14 |
| <p>【Preliminary Phase in Home Country】 To draft an Inception Report on Seismology, Earthquake Engineering or Tsunami Disaster Mitigation by the analyses on disaster management and disaster mitigation policies of participant's country.</p> <p>【Phase in Japan】</p> <ol style="list-style-type: none"> Lectures, practices and field trips on basic subjects (Information Technology related with Earthquake and Disasters, Earthquake Phenomenology, Soil Mechanics, Structural Mechanics) and advanced subjects (Earthquake Circumstance, Characteristics of Earthquake Disasters, Seismic Design, Seismic Evaluation and Retrofitting, Tsunami generation by earthquake, tsunami propagation and its run-up procedure), Lectures, practices and field trips on Seismic/Tsunami Hazard and Risk Assessment, Seismic/Tsunami Disaster-Recovery Management Policy, Tsunami Early Warning System, Disaster Mitigation and Development Assistance. Individual study: writing a Master thesis applying knowledge and techniques acquired in the course with instructions by supervisors. | Implementing Partner | Building Research Institute |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Tsukuba (Training) |
| | Cooperation Period | 2015~2017 |
| | Remarks and Website | <p>On the completion of required credits, participants will be awarded a Master's degree in Disaster Management by GRIPS.</p> <p>Website: http://iisee.kenken.go.jp/</p> |

| Enhancement and Dissemination of Earthquake-resistant Technology for Buildings in Latin American Countries 中南米 建物耐震技術の向上・普及 | | 1684483 |
|--|--|--|
| | | Continuing |
| | | 14 participants |
| Target Countries : Earthquake prone countries in Latin America | | |
| Course No. : J1604048 | | |
| Sector : Water Resources/Disaster Management/Earthquake Disaster | | |
| Sub-Sector : | | |
| Language : Spanish | | |
| Outline | | |
| Latin America is a quake prone region. However, technology of earthquake-resistant construction is not yet popularly used in the area, and building collapse causes huge impacts on human suffering and property damage. This course aims to reduce damage from future earthquakes by enhancing and disseminating the earthquake-resistant construction technology in the participants' countries. | | |
| Objective/Outcome | | Target Organization / Group |
| <p>【Objective】 Participants develop and start working on Action Plans to disseminate earthquake resistant technology and system based on learned approaches of seismic design, construction, diagnosis and retrofitting for buildings.</p> <p>【Outcome】 1. To analyze issues on earthquake resistant construction in participants' country. 2. To understand fundamentals of earthquake engineering and seismic design methods. 3. To understand earthquake-resistant technology by types of structure, such as RC or masonry construction. 4. To understand the techniques for seismic diagnosis and retrofitting. 5. To understand promotion systems on construction of earthquake resistant buildings including Building Standards and guidelines. 6. To understand methods of construction management and supervision of earthquake-resistant buildings. 7. To understand frameworks of training programs of structural and construction engineers. 8. To develop Action Plan to promote earthquake-proof construction in participant's country.</p> | | <p>【Target Organization】 Government or related organizations responsible for earthquake-resistant technology, universities or training institutions in the field.</p> <p>【Target Group】 1. Educational background: be university graduate or equivalent. 2. Working experience: have over five years in earthquake engineering. 3. Current duties: be responsible for dissemination or education of earthquake -resistant construction technology.</p> |
| Contents | | Course Period |
| <p>【Preliminary Phase】 1. Preparation of Inception Report.</p> <p>【Phase in Japan】 1. Presentation of IcR. Discussion on problems in seismic construction. 2. Lectures on introduction of Earthquake Engineering and Structural Engineering. 3. Lectures on RC and masonry construction, response control and seismic isolation. structural experiment and visits to construction sites. 4. Lectures and site visits on diagnosis and retrofitting. 5. Lectures on promotion system for construction of quake-resistant buildings. 6. Lectures and site visits on construction management and supervision. 7. Lectures on frameworks of training programs of structural and construction engineers. 8. Preparation/presentation/discussion of Action Plan.</p> <p>【Complementary training in Third country】 Lectures on masonry construction, structural experiment, site visits, and discussion.</p> <p>【Finalization Phase】 Sharing training outcome, finalization of Action Plan, proposal to participant's organization and submission of Progress Report.</p> | | <p>2016/05/17 ~ 2016/07/09</p> |
| | | Implementing Partner |
| | | Building Research Institute |
| | | Department in Charge |
| | | Global Environment Department |
| | | JICA Center |
| | | JICA Tsukuba (Training) |
| | | Cooperation Period |
| | | 2014~2016 |
| | | Remarks and Website |
| | | University professors and lecturers are included in the target personals. |

| | | |
|---|--|--|
| Reinforcement of Meteorological Services 気象業務能力向上 | | 1684484 Continuing |
| Target Countries : Member States of WMO (World Meteorological Organization) | | 8 participants |
| Course No. : J1604287 | | |
| Sector : Water Resources/Disaster Management/Meteorology | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| In this training course, most of the lectures are provided by staff members of the Japan Meteorological Agency, one of the most advanced meteorological services. Participants also visit various kinds of fields which utilize weather information. Every participant is requested to formulate an action plan to improve the meteorological service in his/her country. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 This course aims at promoting activities to reinforce the meteorological services of each country applying meteorological data/products such as numerical weather and climate prediction and satellite images for disaster risk reduction and climate change adaptation. | | 【Target Organization】 National Meteorological and Hydrological Services |
| 【Outcome】 1. To be able to explain the fundamental technique such as numerical weather prediction (NWP), satellite meteorology. 2. To be able to make up meteorological information which meets users' requirements based on fundamental techniques such as NWP and satellite meteorology. 3. To be able to brief general condition of climate and global environment and make up climate prediction applying climatological and global environmental information. 4. To draw up a master plan to improve the meteorological services of the participants' organizations, and to be used in participants' countries. | | 【Target Group】 (1) be meteorological officials classified as Meteorologists according to the World Meteorological Organization (WMO) personnel categories; (2) be presently engaged in meteorological services for their governments or government-related public organizations; (3) have a Bachelor of Science and/or an Engineering degree; (4) be under 40 years of age; (5) have considerable experience of meteorological services; (6) have knowledge and experience of using basic PC software (especially |
| Contents | | Course Period 2016/09/12 ~ 2016/12/09 |
| 1. Lectures on the basics of numerical weather prediction and its application. Lectures on the outline of satellite meteorology and application of satellite data. Lectures on the global telecommunications system. | | Implementing Partner Japan Meteorological Agency |
| 2. Exercises on satellite data application. Exercises on operational forecasting. Lectures on the knowledge and skill to make up meteorological information which meets users' requirements. | | Department in Charge Global Environment Department |
| 3. Lectures on the climatological and global environmental information. Exercises on the application of climatological and global environmental information. | | JICA Center JICA Tokyo (Economy&Env.) |
| 4. Creation, presentation and discussion of final report | | Cooperation Period 2014~2016 |
| 【After the training course】 Implementation of activities to transfer the knowledge and expertise to colleagues to improve the meteorological services of participants' organizations (follow-up survey with questionnaire). | | Remarks and Website http://www.jma.go.jp/jma/indexe.html |

Target Countries : _____

Course No. : J1604124

Sector : Water Resources/Disaster Management/Comprehensive Disaster Management

Sub-Sector :

Language : English

Outline

1. Sharing the Components of Disaster Resilient Society, which were revealed by the lessons learned from past disasters such as earthquake, flood and landslide etc. in Japan.
2. Creating disaster management plan, which considered the social background of each participant's country.
3. Strengthen the disaster resilience by creating disaster management plan with participatory methods.

| Objective/Outcome | Target Organization / Group |
|--|---|
| <p>【Objective】 Create disaster management plan for disaster resilient society, which necessary components were shared by lessons and experiences from the Japanese administration and civil society.</p> <p>【Outcome】 1. To understand the components and process of quick and sustainable recovery from the disaster. 2. To understand the importance of multiple disaster prevention measures. 3. To understand the importance of raising awareness of disaster reduction through disaster mitigation education. 4. To learn the methods and tools to promote the mutual help by community. 5. To make action plan with strategy for resilient societies to natural disasters.</p> | <p>【Target Organization】 Disaster management planning organization, community development organizations in Local government (or Central Government).</p> <p>【Target Group】 Officials who are highly motivated and in a position that enables them to be involved with the formulation of prevention plans from disasters. (Local and central government officer), Work experience with more than 3years in the related field.</p> |

| Contents | Course Period | 2017/01/09 ~ 2017/02/25 |
|--|-----------------------------|---|
| <p>【Preliminary Phase】 Job report to be submitted.</p> <p>【Core Phase】 1. Understand the importance of Social Capital /PDCA cycle /Community safety map /Town watching /disaster management drill /disaster mitigation education. Introduction of community based disaster risk management activities. 2. Learning facilitation method for conducting disaster drill. Understand the role of Community, NGO/NPO 3. Infrastructure reconstruction: electricity/gas/communication, Emergency Response: volunteer management, opening evacuation shelter, mass media management. City planning/ safe and secure city development. Discussion with municipal government officers. 4. Consultation for making action plan with workshop/participatory methods.</p> <p>【After Training】 Conduction action plan, Progress report of action plan.</p> | Implementing Partner | Kobe International Center for Cooperation and Communication Kobe Institute of Urban Research |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Kansai (II) |
| | Cooperation Period | 2014~2016 |
| | Remarks and Website | |

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|--|--|---|---|
| Comprehensive disaster management in the African region アフリカ地域総合災害対策 | | 1684486 | |
| | | Continuing | |
| | | 16 participants | |
| Target Countries :African countries including north Africa (Countries subject to TICAD) | | | |
| Course No. :J1604411 | | | |
| Sector :Water Resources/Disaster Management/Comprehensive Disaster Management | | | |
| Sub-Sector : | | | |
| Language :English | | | |
| Outline | | | |
| Based on lessons and experiences on preparedness and response to disasters in Japan, participants will learn counter-measures to various forms of disasters through lectures, discussions and site visits to strengthen their ability to apply these lessons to their respective situations and subsequently establish appropriate systems to prepare for and respond to disasters. | | | |
| Objective/Outcome | | Target Organization / Group | |
| 【Objective】 This training course is designed to develop and strengthen participants' basic ability necessary for establishing appropriate disaster management systems in each country, by learning various cases of preparedness and response to disasters in Japan through interactive lectures, discussions and site visits. | | 【Target Organization】 Central and local government offices in charge of disaster management and/or response | |
| 【Outcome】 1. To identify disaster risks and challenges for improving disaster management systems in respective participants' countries; 2. To learn basic concepts and counter-measures of disaster management and reduction through cases and lessons learned from past disasters in Japan; 3. To obtain basic knowledge on disaster management and reduction, and ability to translate Japanese experiences into each country's context through interactive lectures, using a participatory approach; 4. To formulate action plans to improve existing disaster management strategies and institutional frameworks in respective countries in a feasible manner. | | 【Target Group】 1. Officials responsible for disaster management and/or response in central/local governments 2. High command of English 3. Middle management of higher (recommended) 4. Participation paired by both central and local governments (recommended) | |
| Contents | | Course Period | |
| 1. Participants will analyze challenges on disaster management systems in respective countries through preparation of country reports, PCM workshop and stakeholder analysis; 2. Participants will learn basic concepts and approaches of disaster management and reduction, such as common/different points in preparedness and response to disasters of different nature through lectures on cases of disaster preparedness and emergency response in Japan; 3. Participants will obtain basic ability to think on their own and apply Japanese experiences and lessons to improve their disaster management systems through interactive lectures, discussions and site visits; 4. Participants will formulate action plans to improve existing disaster management strategies and institutional frameworks in respective countries, using knowledge and skills obtained through the training course. | | 2016/09/25 ~ 2016/10/29 | |
| | | Implementing Partner | Research Institute for Urban Safety and Security, Kobe University |
| | | Department in Charge | Global Environment Department |
| | | JICA Center | JICA Kansai (II) |
| | | Cooperation Period | 2015~2017 |
| | | Remarks and Website | |

Target Countries : _____

Course No. : J1604236

Sector : Water Resources/Disaster Management/Comprehensive Disaster Management

Sub-Sector :

Language : English

Outline

The program provides introduction of raising awareness activities on disaster reduction, such as community-based disaster management activities, story-teller and so on, so that participants can understand significance and effectiveness of these activities. Participant is also expected to formulate an action plan on raising awareness of disaster reduction to reduce disaster damages in respective country.

| Objective/Outcome | Target Organization / Group | |
|--|---|--|
| <p>【Objective】 Each Participant is expected to formulate an action plan for raising awareness activities on disaster reduction so that citizens in respective country can acquire necessary knowledge and skills to respond disasters.</p> <p>【Outcome】</p> <ol style="list-style-type: none"> 1. To understand the significance and activities of raising awareness on disaster reduction in school education. 2. To understand the significance and activities of raising awareness on disaster reduction for community. 3. To understand the significance and function of the institutions and facilities for raising awareness on disaster reduction. 4. To understand the significance and activities of raising awareness on disaster reduction through mass media. 5. To make an action plan so that citizens in respective country can acquire the necessary knowledge and skills to respond disasters. | <p>【Target Organization】 Department in charge of raising awareness on disaster reduction and/or disaster management education in central or local government</p> <p>【Target Group】</p> <ol style="list-style-type: none"> 1. Person in charge of raising awareness on disaster reduction in central or local government 2. Person who has more than 2 years' experience in the relevant field 3. Person who has English skills to communicate and present | |
| <p>Contents</p> <ol style="list-style-type: none"> 1. Participants learn the strategy and activities on disaster management education in local government, especially programs in high schools and universities for future leaders to promote disaster prevention. 2. Participants learn cases of raising awareness activities in community, especially activities which is designed to receive attention from ordinary citizens make more effectiveness in the view point of raising awareness on disaster reduction. 3. Participants learn roles of institutions and facilities as well as storytellers which contribute to raising awareness on disaster reduction over region and generation. 4. Participants learn cases of raising awareness activities by mass media which treats information on disasters as well as activities of disaster management 5. Each participant makes an each action plan for promoting raising awareness on disaster reduction, referring to the output of training program, modules 1 to 4 mentioned above. <p>※As the program will be collaborated with KOICA(Korea International Cooperation Agency) on 2015, some Korean experts will lecture based on Korean experiences on raising awareness of disaster reduction</p> | <p>Course Period</p> | <p>2017/01/09 ~ 2017/02/11</p> |
| | <p>Implementing Partner</p> | <p>Asian Disaster Reduction Center</p> |
| | <p>Department in Charge</p> | <p>Global Environment Department</p> |
| | <p>JICA Center</p> | <p>JICA Kansai (II)</p> |
| | <p>Cooperation Period</p> | <p>2015~2017</p> |
| | <p>Remarks and Website</p> | |

| | | |
|---|--|--|
| Promotion of Mainstreaming Disaster Risk Reduction 防災主流化の促進 | | 1684489 |
| | | Continuing |
| | | 20 participants |
| Target Countries : contry with high risk of natural disater. | | |
| Course No. : J1604412 | | |
| Sector : Water Resources/Disaster Management/Comprehensive Disaster Management | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| World conference on Disaster Reduction was held in March, 2015. As a result of the conference, mainstreaming disaster risk reduction is required to improve disaster resilient country, which is consisted of (1) high prioritization of DRR, (2) development plan taking into consideration of DRR and (3) promoting investment to DRR. This training program has objective to promote mainstreaming DRR in participant' s countries. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 To learn concept of mainstreaming DRR and formulate Action plan to promote mainstreaming DRR is made based on good practice of Japan and other countries. | | 【Target Organization】 Department/division/institution in charge of DRR in national/local government or other sector's organization |
| 【Outcome】 1. To understand importance of relation between development and DRR and high prioritization of DRR into national policy. 2. To understand importance of consideration of development policy and plan taking into consideration of DRR 3. To understand effectiveness of investment to DRR 4. To formulate action plan to promote mainstreaming DRR based on good practices of Japan and other countries. | | |
| Contents | | Target Group |
| 1. Country report presentation 2. Disaster management administration in Japan(national, prefectural and city, town and village) 3. Policy of high prioritization of DRR(National and local government) 4. Importance of investment to DRR 5. Administrative support to community for disaster resilient society 6. Good practices of mainstreaming DRR in Japan (earthquake resistant building for community facility such as school, hospital and government office, education of disaster prevention, Infrastructure for DRR, evacuation facility, warning system etc.) 7. DRR by private sector(Business continuity plan, recovery of lifeline) 8. NGO/NPO' s responsibility 9. Gender and DRR 10. Observation of DRR related facilities 11. Disaster resilient city development planning 12. Action plan presentation | | <Job title> Officials working for DRR(Director or equivalent position) |
| | | <Working experience> More than 2 years working experience of administrator in charge of DRR(response, recovery/reconstruction, prevention, mitigation). |
| | | Course Period 2016/11/06 ~ 2016/11/19 |
| | | Implementing Partner NPO SEEDS Asia |
| | | Department in Charge Global Environment Department |
| | | JICA Center JICA Kansai (II) |
| | | Cooperation Period 2015~2017 |
| | | Remarks and Website |

| Disaster Management on Infrastructure (River, Road and Port) インフラ(河川・道路・港湾)における災害対策 | | 1684490 |
|---|--|--|
| | | Continuing |
| Target Countries : _____ | | 24 participants |
| Course No. : J1604117/J1604118 | | |
| Sector : Water Resources/Disaster Management/Comprehensive Disaster Management | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| In this training course, participants will learn measures of disaster prevention, mitigation, and rehabilitation for infrastructure (River, Road and Port) against various natural disasters (ex. earthquake, landslide, flood, typhoon, etc.) through lectures and site visits in Japan. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 To acquire knowledge on applicable techniques for more practical, efficient and effective disaster prevention, mitigation and rehabilitation for infrastructure (River, Road and Port), and make Action plan for their country or organization. | | 【Target Organization】 Governmental organizations in charge of disaster management for infrastructure (River, Road and Port) |
| 【Outcome】 1. To understand the similarities and differences of the feature of natural disaster between the participant's country and Japan. 2. To understand the national and municipal governmental policies, plans and measures in Japan. 3. To understand weather forecast, early warning system, information sharing system, etc. 4. To understand the engineering techniques for disaster prevention, mitigation, and rehabilitation for infrastructure (River, Road and Port) against various natural disasters in Japan. 5. To prepare Action Plan and propose the applicable techniques / knowledge to participant's country or organization. | | 【Target Group】 1. Engineering officials who have been in charge of disaster management for infrastructure (River, Road and Port) more than 5 years. 2. University graduate in civil engineering or equivalent educational qualification holder. |
| Contents | | Course Period |
| 【Preliminary Phase in Home Country】 Making an inception report which describe the issues and problems about disaster prevention, mitigation, and rehabilitation for infrastructure (River, Road and Port) in participant's organization or country. | | 2016/05/16 ~ 2016/07/16 |
| 【Core Phase in Japan】 1. Similarities and differences of the feature of natural disaster between the participant's country and Japan 2. National and municipal governmental policies, plans and measures in Japan 3. Weather forecast, early warning system, information sharing system etc. 4. Engineering techniques for disaster prevention, mitigation, and rehabilitation for infrastructure (River, Road and Port) against various natural disasters 5. Problem analysis, solution finding, Action Plan(A/P) preparation | | Implementing Partner Construction Services in Kinki Region |
| | | Department in Charge Global Environment Department |
| | | JICA Center JICA Kansai (II) |
| | | Cooperation Period 2014~2016 |
| 【Finalization Phase in Home Country】 Submitting the report on the progress of participant's Action Plan to JICA six months after the training | | Remarks and Website (A) 2016/05/16-2016/07/16 (English:Kansai) (B) 2016/10/24-2016/12/17 (English:Kansai) |

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| Rescue Techniques 救急救助技術 | 1684492 Updated | |
| Target Countries : Disaster prone countries in the world | 14 participants | |
| Course No. : J1604115 | | |
| Sector : Water Resources/Disaster Management/Comprehensive Disaster Management | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| This training is designed for the rescue instructors or the future rescue instructors. The participants are expected to make "action plan" in order to disseminate knowledge and skills obtained through this course upon returning to their respective countries. The training institute has much experience in providing rescue training program to international participants with highly qualified instructors. | | |
| Objective/Outcome | Target Organization / Group | |
| <p>【Objective】 The training program is designed to equip the rescue instructors with the relevant knowledge and skills on how to rescue victims from life-threatening disasters.</p> <p>【Outcome】</p> <ol style="list-style-type: none"> Participant will acquire basic knowledge and skills in order to rescue people who are faced with life-threatening disasters and also unable to escape by himself. Participant will acquire basic knowledge of first aid, such as fracture fixation, hemostasis, cardiopulmonary resuscitation at rescue scene and understand education method of disaster risk reduction to community. Participant will acquire the necessary knowledge as an instructor of rescue techniques. At the end of training, participant will be able to plan for human resource development in the home country, accordance with the rescue techniques that they acquired through training. | <p>【Target Organization】 Fire Service Organization (Central Government, Local Government or Private Sector)</p> <p>【Target Group】 Instructors/ trainers or those who are expected to be instructors/ trainers in the area of rescue techniques. The expected participants have basic knowledge on rescue operation and have more than three-year experience in rescue operation.</p> | |
| Contents | Course Period 2016/05/09 ~ 2016/07/09 | |
| <ul style="list-style-type: none"> Lectures and training on various rescue techniques <p>Basic (climbing, rope bridge crossing, rope descent) Use of the rescue tool. Water rescue. Mountain rescue. Rescue from vehicle accident. Rescue from the collapsed house</p> <ul style="list-style-type: none"> Lectures and training on first aid. <p>Cardiopulmonary resuscitation, Hemostasis, Fixation etc.</p> <p>Lecture on safety management. Lectures on rescue command procedure. Lectures and training on international rescue team. Lectures on planning training. Diagram training. Scenario training. Comprehensive training, disaster education to community</p> <p>Lectures on rescue command procedure Lectures on simulation training Visit each fire department, Lectures on large-scale disasters and special incident, International response mechanism.</p> | Implementing Partner | |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Kansai (II) |
| | Cooperation Period | 2016~2018 |
| | Remarks and Website | The expected participants aged 35 and below in principle mastered rope work, method of climbing ladder and entering method from a ladder to building and can swim more than 50m |

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| Fire and Disaster Management 消防・防災 | | 1684493 |
| | | Continuing |
| Target Countries : Countries which are strengthening fire and disaster management | | 8 participants |
| Course No. : J1604248 | | |
| Sector : Water Resources/Disaster Management/Comprehensive Disaster Management | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| Participants can take a high quality training program about fire fighting techniques, fire prevention and disaster prevention based on experience and resource of implementing partner who is continuing training course more than 25 years. In training course, participants learn Fire Fighting and rescue techniques on various situation. In addition to above, participants also learn effort of fire and disaster management department of Japan such as awareness activities of disaster prevention towards community and etc. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 Fire Fighting techniques, fire prevention and disaster prevention is implemented based on action plan, and system of Fire and Disaster Management on participant's organization is enhanced. | | 【Target Organization】 Fire Service Organization (Central Government, Local Government or Private Sector) |
| 【Outcome】 1. To be able to practice fire and rescues technique by utilizing the equipment appropriately and using various fire extinguishing methods. 2. To understand fire prevention and disaster management in community in Japan 3. To be able to command a unit by using the above-mentioned techniques and knowledge. 4. To be able to plan and disseminate activities after returning home. | | 【Target Group】 Be 1. engaged in fire service more than 5 years. 2. or will be a commander of firefighting or an instructor of fire education institutions 3. university graduates or have the equivalent occupational experiences 4. under 45 years. 5. proficient in English. |
| Contents | | Course Period 2016/09/04 ~ 2016/11/26 |
| 【Preliminary Phase】 Formulation of report to present current situation in the participant's country | | Implementing Partner Fire and Disaster Management Bureau, City of Kitakyushu |
| 【Core Phase in Japan】 1. Fire suppression drills 2. Fire investigation (lecture and practice) 3. Safety control (lecture and practice) 4. Command theory (lecture) 5. Fire prevention and disaster management in community in Japan 6. Handling fire trucks and firefighting equipment (lecture and practice) 7. Rescue and emergency measures in various fire sites (lecture and practice) 8. Preparation and presentation of Action plan. | | Department in Charge Global Environment Department |
| | | JICA Center JICA Kyushu |
| | | Cooperation Period 2014~2016 |
| 【Finalization Phase】 Implementation of the formulated plan, and report progress in the form of final report | | Remarks and Website |

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| Comprehensive Disaster Risk Reduction 総合防災行政 | | 1684494 Updated |
| Target Countries : Countries which have disaster risk | | 40 participants |
| Course No. : J1604299/J1604095/J1604301 | | |
| Sector : Water Resources/Disaster Management/Comprehensive Disaster Management | | |
| Sub-Sector : | | |
| Language : English/Portuguese | | |
| Outline | | |
| This course is designed for persons in charge of disaster management, mitigation, preparedness, response, recovery and reconstruction either from central government or local government. | | |
| Participants get the basic knowledge and plan on disaster management as well as lessons and experiences in Japan and Hyogo/Kochi Prefecture, and are expected to identify problems / challenges in their countries. They are also expected to | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 Participants are requested to contribute to the capacity development on disaster management in their countries through formulating and implementing their Action Plans in terms of disaster management and mitigation based on experiences and lessons in the course. 【Outcome】 1) To understand roles of national and local governments in disaster management in Japan and effectiveness of prior investment for DRR in order to examine how to adopt acquired knowledge in each country. 2) To understand the role of private sectors such as NGOs and mass-media in disaster management and examine how to adopt acquired knowledge in each country. 3) To understand Japanese approaches to different type of disasters and lessons from past disasters in order to examine how to adopt acquired knowledge in each country. 4) To formulate the Action Plan (Draft) to solve issues in each country. 5) To share the drafted Action Plan in participant's organizations and to implement the Action Plan (Draft). | | 【Target Organization】 Central government or local government in charge of disaster management 【Target Group】 The officials who are in charge of disaster management sector either in central government or local government, and are the university graduates and/or those who have practical experiences in disaster management sector more than three years |
| Contents | | Course Period 2017/01/09 ~ 2017/02/25 |
| <Preparatory Exercise> * Making Job Report <Course Period in Japan> * Disaster risk management in Japan (Prior investment in DRR and DRR by both structural and nonstructural measures) * Overview of past disasters and recovery experiences in Japan (concept of "Build Back Better") * Disaster risk reduction education * Activities for raising awareness of disaster management * Community based disaster risk management * Function of mass-media on disaster * Function of community radio on disaster * Recovery of life line such as electricity and water * Function of Japanese Red Cross Society * Insurance on disaster * Local governments' countermeasures against disasters caused by storm, flood and mud * Research Institutions' activities against each disaster * Countermeasures against earthquake and Tsunami, such as quake-resistant building and seawall construction * Practice in disaster management skill * PCM (Project Cycle Management) training * Review the whole training * Formulate the Action Plan (Draft) | | Implementing Partner |
| | | Department in Charge |
| | | JICA Center |
| | | Cooperation Period |
| | | Remarks and Website |
| | | (A) Asian Disaster Reduction Center / (B) Kochi University Global Environment Department JICA Kansai (2)/JICA Shikoku 2016~2018 (A) 2017/01/09-2017/02/25 (English:Kansai) (B) 2016/08/23-2016/09/30 (English:Shikoku) (C) 2016/09/12-2016/10/29 (Portuguese:Kansai) Global Issue & ODA (disaster Risk Reduction) http://www.mofa.go.jp/ic/gic/page22e_000636.html |

Target Countries : Central Asia and Caucasus Countries

Course No. : J1604297

Sector : Water Resources/Disaster Management/Comprehensive Disaster Management

Sub-Sector : Water Resources/Disaster Management/Earthquake Disaster

Language : Russian

Outline

This course aims to improve the capability as to disaster risk management against natural disaster in Central Asia and Caucasus region for persons in charge of disaster management in central or local government. Participants get the basic knowledge and experiences on natural disaster management in Japan and Hyogo Prefecture and will identify problems in their countries and tackle them by their Action Plans.

| Objective/Outcome | Target Organization / Group | |
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| <p>【Objective】 Participants are requested to contribute to the capacity development on disaster management in their countries through formulating and implementing their Action Plans in terms of disaster prevention and mitigation based on experiences and lessons in the course.</p> <p>【Outcome】 1) Participants are able to arrange to "Make Disaster Risk Reduction a Priority" 2) Participants are able to propose a concrete plan for "Know the Risks and Take Action" 3) Participants are able to propose a concrete plan for "Build Understanding and Awareness" 4) Participants are able to propose a concrete plan for "Reduce Risks and Be Prepared and Ready to Act" 5) Participants plan Action Plan for improving DRM capacity in participant's organization. At the same time, regional Network of DRM organization is deepened.</p> | <p>【Target Organization】 Ministry or local government related to disaster management / mitigation</p> <p>【Target Group】 The officials who are in charge of the DRM administration either in central or local government, and are the university graduates and/or those who have practical experiences in the relevant field of more than three years.</p> | |
| Contents | Course Period | 2016/06/20 ~ 2016/07/30 |
| <p><Preparatory Exercise> * Making Job Report</p> <p><Course Period in Japan> * Disaster risk management in Japan * Overview of past disasters and recovery experiences in Japan * Disaster prevention education * Activities for raising awareness of disaster management * Community based disaster risk management * Function of mass-media on disaster * Function of community radio on disaster * Recovery of life line such as electricity and water * Function of Japanese Red Cross Society * Insurance on disaster * Local governments' countermeasures against disasters caused by storm, flood and mud * Research Institutions' activities against each disaster * Countermeasures against earthquake and Tsunami, such as quake-resistant building and seawall construction * Practice in disaster management skill * PCM (Project Cycle Management) training * Review the whole training * Formulate the Action Plan (Draft)</p> <p><Finalization Phase in participant's country> * Submitting the report as to the progress of Action Plan (Draft) to JICA in about 6</p> | Implementing Partner | Under Planning |
| | Department in Charge | Global Environment Department |
| | JICA Center | JICA Kansai (II) |
| | Cooperation Period | 2016~2018 |
| Remarks and Website | Global Issue & ODA (disaster Risk Reduction) http://www.mofa.go.jp/ic/gic/page22e_000636.html | |

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| Disaster Risk Reduction for Central America 中米防災対策 | | 1684497 Updated |
| Target Countries : Member countries of CEPREDENAC | | 12 participants |
| Course No. : J1604305 | | |
| Sector : Water Resources/Disaster Management/Comprehensive Disaster Management | | |
| Sub-Sector : | | |
| Language : Spanish | | |
| Outline | | |
| This program is designed for governmental organization to develop the capacity of the disaster management. Especially, focusing on the transmission of the information on disasters for local residents and the persons on disaster management, the participants are requested to acquire the knowledge on the concrete countermeasure for the implementation and promotion of the each stage of disaster management. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 The officials belong to central government office or local government in charge of promoting disaster risk reduction and mitigation enhance the capacity of disaster management through implementing the activities on disaster risk reduction and mitigation. <Outputs> 1. To be able to explain the function and the methodology of the collaboration of administrative bodies through understanding the history of natural disasters and policies based on the disaster experiences in Japan 2. To understand the collaboration among administrative bodies, citizen, community, mass media and research institutes about the information management on natural disaster 3. To understand the concrete methodology for the dissemination on raising awareness of disaster risk reduction and information management, considering disaster risk reduction in local communities 4. To understand the challenges of project management and consider the improvement plan in each country, 5. To make action plan | | 【Target Organization】 Central government or Local Government in charge of Disaster Risk Reduction and Mitigation 【Target Group】 Current Duties: Officials in charge of Disaster Management in Central or Local Government Experience in the relevant field: have experiences for more than 2years Others: The person who will be in touch with JICA BOSAI project in the future is preferable |
| Contents | | Course Period 2017/01/09 ~ 2017/02/18 |
| 【Preliminary Phase】 Preparation of Country Report, Exchange of opinion with ex-participants 【Core Phase】 - Overview of Great Hanshin-Awaji Earthquake and recovery and reconstruction - Early warning system for natural disasters in Japan - Function of mass media in disasters (Radio Act, the actual operation and provision of Disaster Countermeasures Basic Act) - Risk communication - Examples and experiences of community-based disaster management in Japan - Methodology about raising awareness of disaster prevention for residents, - Preparation of Action Plan 【Finalization Phase】 Implementation of Action Plan after discussing the action plan with the relevant persons like JICA officers in overseas offices and BOSAI Project | | Implementing Partner Department in Charge Global Environment Department JICA Center JICA Kansai (II) Cooperation Period 2016~2018 Remarks and Website |

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| Community-Based Disaster Risk Reduction コミュニティ防災 | | 1684498 Updated |
| Target Countries : Countries with occurrence of natural disasters | | 26 participants |
| Course No. : J1604302/J1604096 | | |
| Sector : Water Resources/Disaster Management/Comprehensive Disaster Management | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| This program aims for the participants from national/local government to understand the significance of disaster risk reduction for natural disasters and needs of self-help and mutual help, acquire the concrete method for promotion of community based disaster risk reduction in each country through the activities of residents (self-help organization), schools, private companies, NPOs etc, of Japan. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 The participants will understand the significance of disaster risk reduction for natural disasters and needs of self-help and mutual help, how to promote community-based disaster risk reduction in each country, through the disaster management activities at community level in Japan, especially in Kansai and Shikoku Region. | | 【Target Organization】 Organizations which can play a leading role in promotion and dissemination of community-based disaster risk reduction |
| 【Outcome】 1. The participants will be able to understand the significance of disaster risk reduction 2. The participants will be able to understand the concepts of community-based disaster risk reduction and the needs of self-help and mutual help 3. The participants will be able to understand how to operate drills through the activities of community organizations and drills 4. The participants will be able to understand disaster education and the concrete method for its dissemination and awareness raising at community level | | 【Target Group】 1. Person in charge of promotion and dissemination of community-based disaster risk reduction in central or local government 2. Person who has more than 3 years' experience in the relevant field 3. Must be in good health, both physically and mentally |
| Contents | | Course Period 2016/10/10 ~ 2016/11/19 |
| 1. Disaster risk reduction in each participating countries (Job Report preparation), Global tides of disaster risk reduction (The Sendai Framework for DRR), Disaster management of Japan, Overview of Great Hanshin Awaji Earthquake and its recovery, Disaster and crisis management of local government, Role of fire station and related facilities, (A course only) Gender conscious community-based disaster risk reduction 2. Community-based disaster risk reduction (CBDRR), Establishment & management of CBDRR organization, disaster risk reduct activities against various disasters, Contermeasures against Nankai Trough Earthquake, Visit to the affected area of Great East Japan Earthquake 3. Promotion of tsunami evacuation, Volunteer fire corps, First aid and its dissemination to citizens, Town walk for disaster risk reduction, Community drill participation 4. CBDRR and university, CBDRR in overseas, Disaster education programs (event "Iza! Kaeru Caravan!", evacuation shelter management game "HUG", etc) 5. Disaster management by local government (Crisis management, promotion of community-based disaster risk reduction, promotion of disaster education, recovery city planning) 6. Preparation and presentation of action plan, Group discussion, (A course only) Problem analysis and project cycle management method (PCM) | | Implementing Partner |
| | | Department in Charge |
| | | JICA Center |
| | | Cooperation Period |
| | | Remarks and Website |
| | | (A) Kobe International Center for Cooperation / (B) Kochi University Global Environment Department JICA Kansai (2)/JICA Shikoku 2016~2018 (A) 2016/10/10-2016/11/19 (English:Kansai) (B) 2017/02/08-2017/03/19 (English:Shikoku) Special Textbook & DVD on CBDRR will be distributed |

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| Volcanic Disaster Prevention and Management for Central and South American Countries 中南米地域 火山防災能力強化 | | 1684500 Continuing | |
| Target Countries : Volcanic countries in Central and South America | | 11 participants | |
| Course No. : J1604011 | | | |
| Sector : Water Resources/Disaster Management/Other Water Resources/Disaster Management Issues | | | |
| Sub-Sector : | | | |
| Language : Spanish | | | |
| Outline | | | |
| Participants' countries will improve the countermeasure against volcanic disaster by creating good coordination between government and community, referring to Hokkaido's experiences. Also we will provide latest information of counter measure activities by sharing Japanese experiences in reconstruction from catastrophe of the Great East Japan Earthquake. | | | |
| Objective/Outcome | | Target Organization / Group | |
| 【Objective】 Participants' organization officially formulate plan to improve the capacity of volcanic disaster management based on the proposed "Action Plan" by respective participants. | | 【Target Organization】 Central/Local government, University, Research Institutes and NGOs in charge of the ground work for volcanic disaster prevention and management | |
| 【Outcome】 1. To identify the issues of the volcanic disaster management in participants' country / area through understanding how to grasp volcanic disaster risk in Japan. 2. To identify the issues of the volcanic disaster management in participants' country / area by understanding the disaster prevention plans and schemes in volcanic disaster vulnerable area in Japan. 3. To propose ideas for productive usage of volcanoes as resources for regional promotion by learning cases in Hokkaido. 4. To propose appropriate and feasible "Action Plan" for volcanic disaster management in participants country/regions. | | | |
| Contents | | Course Period | |
| 1. Volcanology, Volcanic disaster, case study, Local government's operation for volcanic eruption and disaster (evacuation), Volcanic mudflow and sediment control in Hokkaido, Volcanic eruption and risk management in the world 2. Science of real-time monitoring, Eruption forecast and damage mitigation, Volcanic, Earthquake & tsunami disaster and Remote sensing, Cooperation among stakeholders for reducing damage, Human being and Disaster, Disaster recovery, Education program for following generation 3. Live symbiotically with volcanic mountain, Tourism around Volcanic area / UNESCO Geopark 4. Field trip(Hokkaido Komagatake, Mt.Usuzan, Mt.Tokachidake, Mt.Fuji) 5. Country Report Presentation, Mid-Term Discussion (see Annex II for Mid-Term Discussion), Group discussion, Proposing Action Plan | | 2016/05/31 ~ 2016/07/14 | |
| | | Implementing Partner | Crisis & Environment Management Policy Institute(CeMI) |
| | | Department in Charge | Global Environment Department |
| | | JICA Center | JICA Hokkaido (Sapporo) |
| | | Cooperation Period | 2015~2017 |
| Remarks and Website | http://www.npo-cemi.com/ce mi.html (Japanese only) | | |

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| Capacity-building for school-based disaster risk reduction 学校を中心とした防災能力向上 | | 1684837 New |
| Target Countries : Disaster prone countries in the world | | 10 participants |
| Course No. : J1604131 | | |
| Sector : Water Resources/Disaster Management/Other Water Resources/Disaster Management Issues | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| <ul style="list-style-type: none"> • Sharing the Components and good practice of disaster prevention education, which were revealed by the lessons learned from the past disasters in Japan. • Learning the concept and activities of Emergency And Rescue Team by school staff in Hyogo(EARTH) . • Obtaining skills to create Disaster Prevention Education Plans, which contribute to enhance school-based disaster risk reduction. | | |
| Objective/Outcome | Target Organization / Group | |
| To obtain skills to create disaster prevention education plans, which contribute to enhance school-based disaster risk reduction through sharing the components of disaster prevention education based on lessons and experiences of Japan. | <p>【Target Organization】 Disaster Prevention Education planning organizations in central and local government.</p> <p>【Target Group】 "Educational officials who are in a position to be involved with the formulation of disaster prevention education plans in central and local government.</p> <p>Work experience with more than 3years in the related field."</p> | |
| Contents | Course Period | 2016/06/06 ~ 2016/07/30 |
| (Before Training) Job report to be submitted. | Implementing Partner | Under Planning |
| (During Training) | Department in Charge | Global Environment Department |
| 1. To understand the significance and activities to develop future leaders for disaster risk reduction in school education. | JICA Center | JICA Kansai (II) |
| 2. To understand the significance and activities of raising awareness on disaster management for community. | Cooperation Period | 2016~2018 |
| 3. To understand the activities of Emergency And Rescue Team by school staff in Hyogo(EARTH) on disaster prevention education . | Remarks and Website | |
| 4. To understand the significance and function of the institutions and facilities for raising awareness on disaster prevention education. | | |
| 5. Consultation for making action plan with workshop/participatory methods. | | |
| (After Training) Conduction action plan, Progress report of action plan. | | |