### Objective/Outcome

**Objective**
To acquire basic knowledge on planning necessary for sewage and urban stormwater drainage, and to understand the necessary approaches and process to formulate master plans in the future.

1. **Preliminary Phase**
   - To understand the present situation of sewage and urban stormwater drainage management, and to identify challenges in each respective country.

2. **Core Phase in Japan**
   - To understand the basic concept of sewage and urban stormwater drainage management, and be able to consider appropriate approaches to tackle their challenges.
   - To understand the process of formulating project plans and technical aspects of each technology.
   - To understand sewerage financing, methods for operation and maintenance.

3. **Finalization Phase**
   - To share and consider the action plan among participants' organizations.

4. **Overall**
   - To make an action plan including a master plan (draft) for sewage and urban stormwater drainage management, the decision-making process (draft) considering community participation and challenges and prospect in the participants’ countries.

### Target Organization / Group

**Target Organization**
Central/local government or public organizations which have implemented/are planning to implement sewage treatment (sewerage system project).

**Target Group**
1. Officials in charge of upgrading sewerage system
2. To have more than three years of operational experience in the fields
3. To be a university graduate (civil engineering) or a person with equivalent qualification
4. To be thirties in principle.

### Contents

1. **Preliminary Phase**
   - Preparation of a country report.

2. **Core Phase in Japan**
   - To understand the basic concepts of sewage and urban stormwater drainage management.
   - To learn about the project implementation in Japan.
   - To understand the process of formulating project plans and technical aspects of each technology.
   - To understand sewerage financing, methods for operation and maintenance.
   - To consider the implementation system for projects, public education, low-cost technologies etc.

3. **Finalization Phase**
   - To share and consider the action plan among participants’ organizations.

### Remarks and Website

- **Implementing Partner**: Sewerage Business Management Centre
- **Cooperation Period**: 2016〜2018
- **Language**: English
- **Sector**: Environmental Management/Water Pollution
- **Sub-Sector**: Urban/Regional Development/Urban Development
- **Number of Participants**: 20
- **Course No.**: 1770435
- **No.**: 1784795

In order to improve the hygienic environment and to reduce flood damages in developing countries, it is essential to draft a plan and implement a project for appropriate sewage and urban stormwater drainage management. Participants will understand the basic concept of sewage (sewerage) and urban stormwater drainage (removal of rain water) management and draft a master plan for sewage and urban stormwater.