

Unit 4.1 Overview of Treatment Technologies

1. INTRODUCTION

This Unit corresponds with Chapter 5 of the FSM book and provides an overview of and introduction to the FS treatment technologies. This chapter presents an overview of potential treatment technologies. It presents well established technologies, which are then covered in more detail in respective chapters, technologies that appear to be very promising but have had limited implementations, and promising technologies that are still in the research phase. The advantages, constraints and field of application of each treatment option are presented, and information provided so the reader can compare and contrast the potential performance and scope of appropriate application. It also emphasises the importance of finding a context-adapted combination of technologies, and the parameters that are important to consider when designing a system.

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2. LEARNING OBJECTIVES

The learning objectives for Unit 4.1 Overview of Treatment Technologies are to:

- Have an overview of existing FS treatment technologies
- Have an overview of potential future treatment technologies and what information is currently lacking for their reliable implementation.
- Understand the advantages, constraints and field of application of the technologies
- Be able to compare and contrast different technologies based on performance and appropriateness for local context.
- Understand the importance of finding a context-adapted combination of technologies

3. THINGS TO DO; PLACES TO GO

In order to complete this Unit successfully, please do the following:

- Watch the key note speech of Unit 4.1
- Go through the PowerPoint presentation of Unit 4.1
- Read Chapter 5 of the FSM book
- Check the Course page for any recommended reading materials or web pages
- Check the assignment list