

# **SUSTAINABLE LANDFILLING**

## **IWWG TASK GROUP**

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### **1 Introduction**

The “Sustainable landfilling” IWWG task group has been founded in order to coordinate interdisciplinary research on sustainable landfilling, discuss and disseminate related results.

The task group has been founded following the decision of the Scientific Advisory Committee of IWWG at the Toya meeting (ICLRS,2004).

The Sustainable Landfill Task Group members will include academic and industrial researchers and scientists from different countries aiming for members encompassing a broad range of disciplines, including microbiology, soil science, chemistry, geochemistry, civil and environmental engineering, and waste management

An initial focus of The “Sustainable landfilling” IWWG task group is the assessment of the aftercare phase end-point, following performance based approach

### **2 Current specific working topics/priorities**

A preliminary list of working topics includes:

- Long term fate of pollutants in landfills
- Performance-based systems for after-care evaluation
- Risk analysis procedure for assessing aftercare end-point
- Approach to landfill sustainability for different kinds of waste
- Technologies and operation alternatives for shortening the aftercare phase
- Legal, economical, financial and regulatory implications

### **3 Starting Participants**

**Raffaello Cossu**, *IMAGE Department-University of Padova, Italy (Chairman)*

**Hani A.Abu Qdais**, *Department of Civil Engineering, Jordan University of Science & Technology, Jordan,*

**Morton Barlaz**, *Department of Civil Engineering, North Carolina State University, USA*

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**Rainer Stegmann**, *Department of Waste Management, Technical University of Hamburg-Harburg, Germany*