

# PREVIOUS AND PRESENT RESEARCH NEEDS ON FIRE SAFE WASTE MANAGEMENT

*Anders Lönnermark<sup>1</sup>*

*<sup>1)</sup> RISE Research Institutes of Sweden, Borås, Sweden*

## **Abstract**

The amount of waste in the society is increasing. The increased handling and storage of waste lead to increased risks for fires. Fires in stored waste can last for a long time and can difficult to extinguish. This in turn can lead to large costs in the form of direct costs for lost material and property and indirect cost in the interruptions in business and for nearby infrastructure. Fires in waste also mean large emissions to the environment. The presentation will focus on results from research projects and studies of different trends and statistics, including also surveys and interviews. The main conclusions are different types of gaps and research needs. Some of the gaps have been filled and examples will be given during the presentation. However, other gaps and research needs still remain.

**Keywords:** Waste management; fire safety; research