

Waste Management and Remediation Services: Session Introduction

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Overview

- Review of Classifications
- Mini Presentations on Turnover
- Mini Presentations on Prices
- Discussion



Presenters

Turnover/Output Mini-presentations

Johan Ahmen – Statistics Sweden
John Murphy – US Census Bureau

Prices Mini-presentations

Denis Gac – INSEE, France
Aspasia Papa – ONS, UK
Yeonsuk Park – Bank of Korea

Discussant

Steve Drew – ONS, UK



Industry Classification

Industry Classifications Reviewed

ISIC Rev. 4	6 industries
NACE Rev. 2.0	8 industries
JSIC	17 industries
ANZSIC 2006	5 industries
NAICS United States	10 industries



Industry Classification

Content similar, arrangement and organization differs

For example:

- Septic tank services – ISIC sewerage, NAICS other waste management services, JSIC domestic waste disposal
- Aggregations for solid waste collection vs. solid waste treatment and disposal for ISIC, NACE, NAICS and ANZSIC
- JSIC broken down by domestic vs. industrial
- ISIC includes NACE includes class for dismantling or wrecks, JSIC includes an industry for dead domestic animal disposal services

Overall, differences do make it hard to compare data with ISIC below the level of 37+38+39 for many countries



Product Classification

CPC Ver. 2.0	28 subclasses
CPA 2008	68 subclasses
ANZSPC	9 products
NAPCS	128 products

Differences in the content and focus of products



Product Classification

- CPC focuses on the waste management services only
- CPA includes a large number of products for the waste materials, recyclable materials, and secondary metals resulting from reprocessing
- NAPCS focuses on the services as well and includes a strong focus on various aspects of remediation services from assessment services, planning services, clean-up services, to monitoring services for remediation projects



Product Classification

- Interesting issue for consideration is the classification of waste materials (goods/bads?) as outputs of the waste management industries. Fundamental question – are we to measure the value of waste, the value of the services provided, or both?
- What should be priced? Goods, services, both?

