



VOORBURG
GROUP

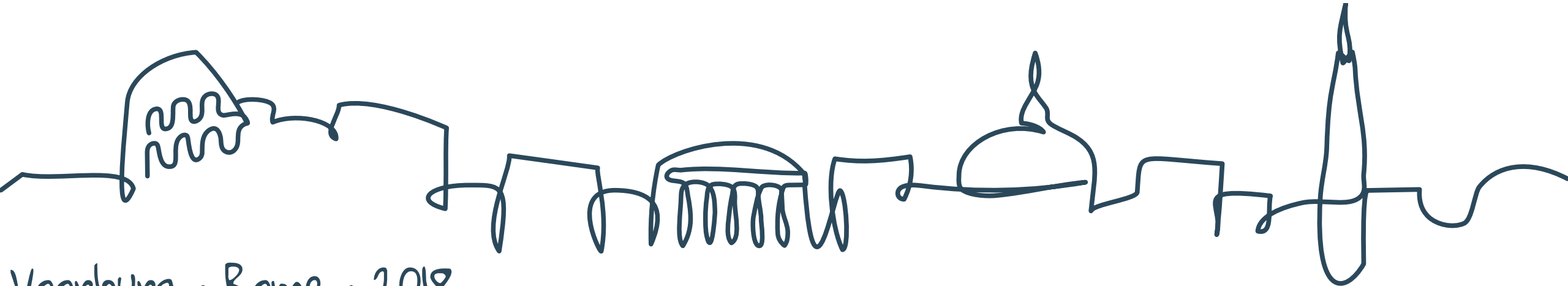
ROME

24 | 28
SEPTEMBER
2018

Architectural and Engineering Services (ISIC 71.1)

KAT PEGLER

OFFICE FOR NATIONAL STATISTICS - UK



Voorburg · Rome · 2018



Contributions

○ Output

- Jakob Kalko (Norway);
- Ramon Bravo (Mexico); and
- Agnieszka Matulska-Bachura (Poland).

○ Prices

- Yann Leurs and Frederic Ouradou (France);
- Cristina Cecconi and Salvatore Cavallaro (Italy);
- Maja Dozet and Josipa Kalcic Ivanic (Croatia);
- Moegi Inoue (Japan)

○ Discussant – Susanna Tag (Finland)

The Service

ISIC 71.1 - Architectural and engineering activities and related technical consultancy

“provision of architectural services, engineering services, drafting services, building inspection services and surveying and mapping services and the like”

- **Architectural services** - related to the design of buildings or town and city planning
- **Engineering services** - design of machines, materials, instruments, structures, processes and systems



The Industry

- Important – often large share of the economy
- Large numbers of small businesses
- Doesn't tend to be heavily regulated
- Exports!!



Classification

71 Architectural and engineering activities; technical testing and analysis

71.1 Architectural and engineering activities and related technical consultancy

71.2 Technical testing and analysis

- Good alignment with other classifications with the exception of JSIC
- But...other industry classifications disaggregate further

Output

- No major challenges, but...
- Globalisation presents some difficulties – companies may have foreign subsidiaries
- Distinction from related industries eg construction
- Increase in changes in inventories – unidentified output?
- Difficulty to breakdown by customer type



SPPI

- More challenging – very bespoke products
- Range of pricing methods used:
 - Time-based methods
 - Model pricing
 - Percentage fee
 - Direct use of repeated services (sometimes...)
- Two major challenges:
 - Exports – limited experience
 - Quality adjustment eg drones, BIM – need more clarity on significance and new product vs improved product



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Next steps??

