



COREALIS HaminaKotka Demo/Training Webinar

PORTMOD - A Planning and Simulation Tool for Container Terminal Operations

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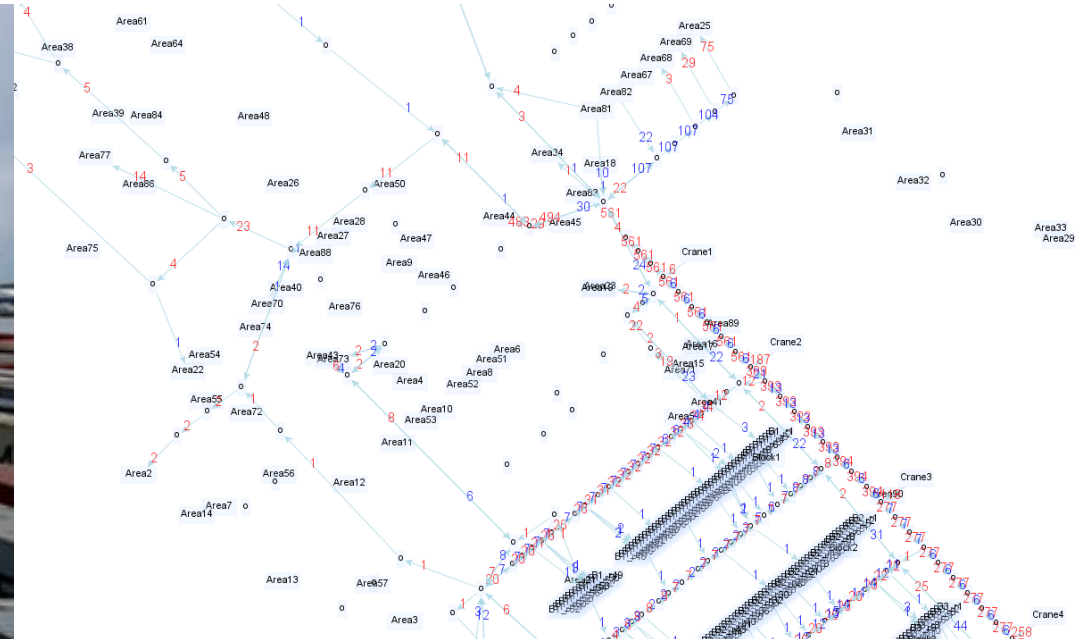
Agenda

PORTMOD – A Planning and Simulation Tool for CT Operations:

- 1 Introduction
- 2 Capabilities
- 3 Architecture
- 4 Demonstration



PORTMOD Introduction





PORTMOD Capabilities



- Identify inefficiencies and bottlenecks in container flows
- Identify inefficiencies in straddle carrier and crane operation
- Estimate the benefit of machine pooling during ship loading and unloading operations

See also : <https://www.corealis.eu/> (click on PORTMOD hexagon)





PORTMOD Architecture

Input

1. A CSV file containing Container movement data, e.g. from a Terminal Operating System.

2. Auxiliary CSV files:

- Terminal layout
- Container groups
- Equipment data
- Special cases

Interface

Graphical User Interface

Modules

FlowAnalyzer

A settings file specifies PORTMOD behaviour and auxiliary CSV files.

PORTMOD Simulator

Output

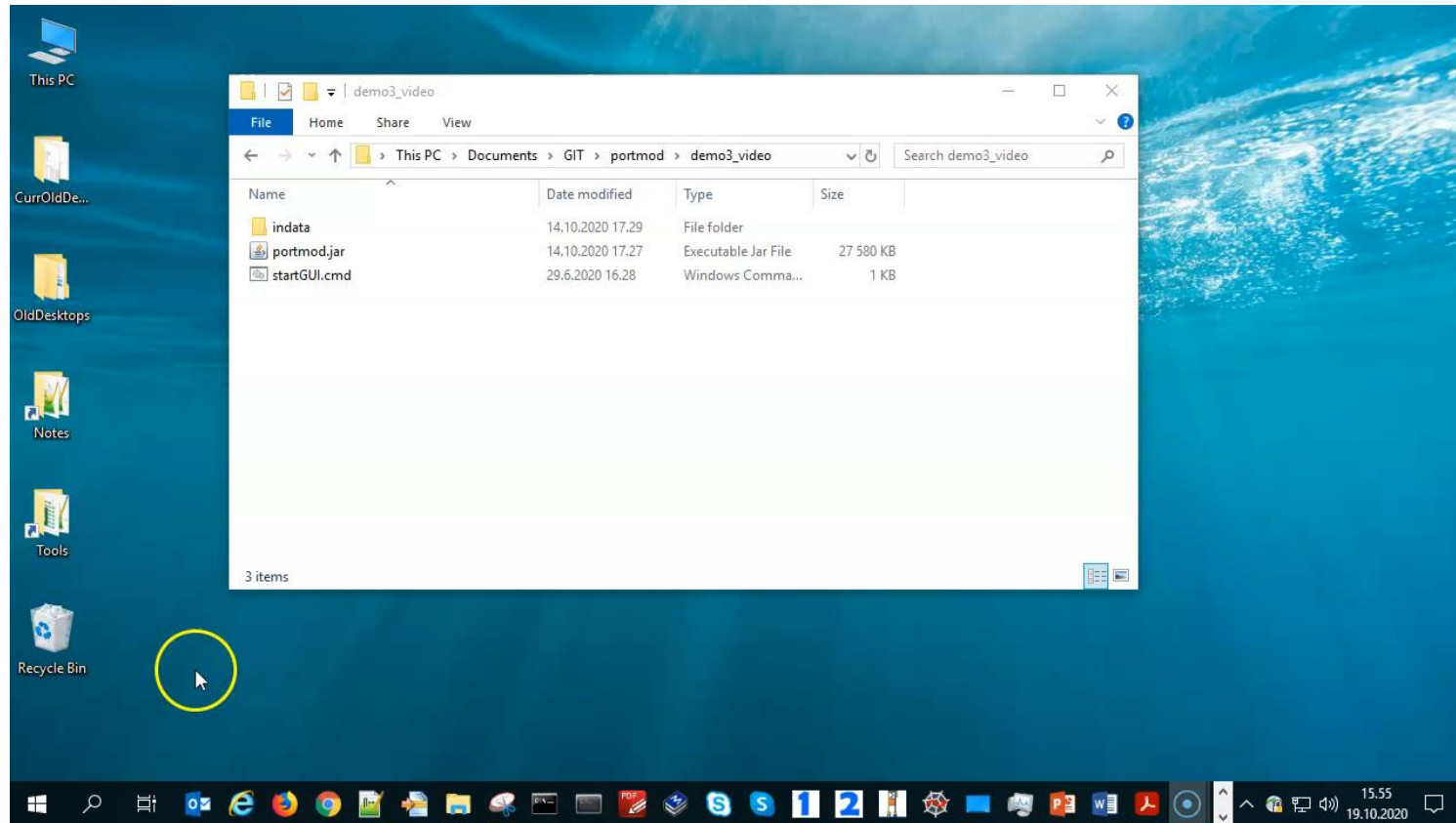
Container Flow Graph

Simulation Results



PORMOD Demonstration

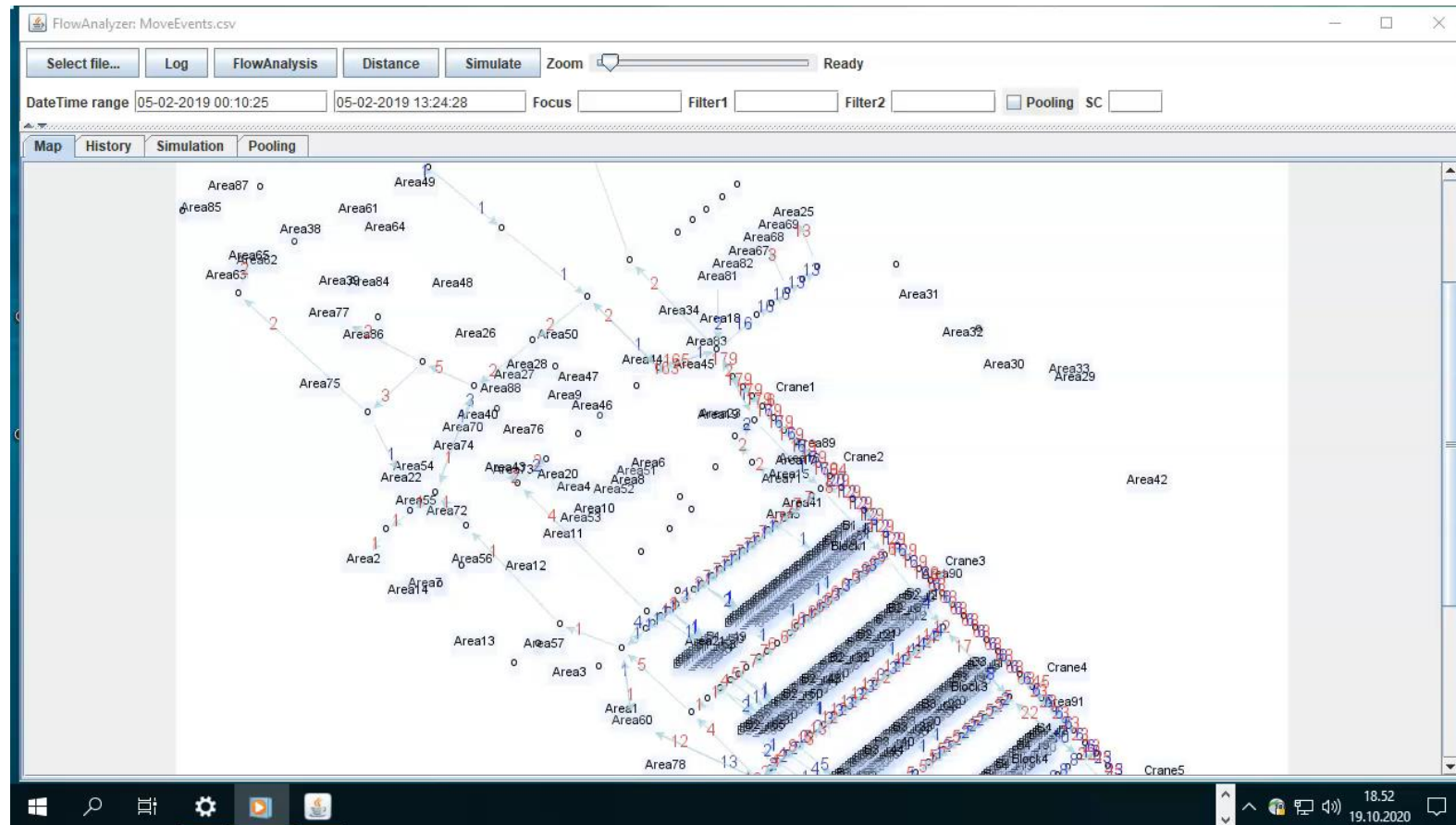
Identify inefficiencies and bottlenecks in container flows





PORMOD Demonstration

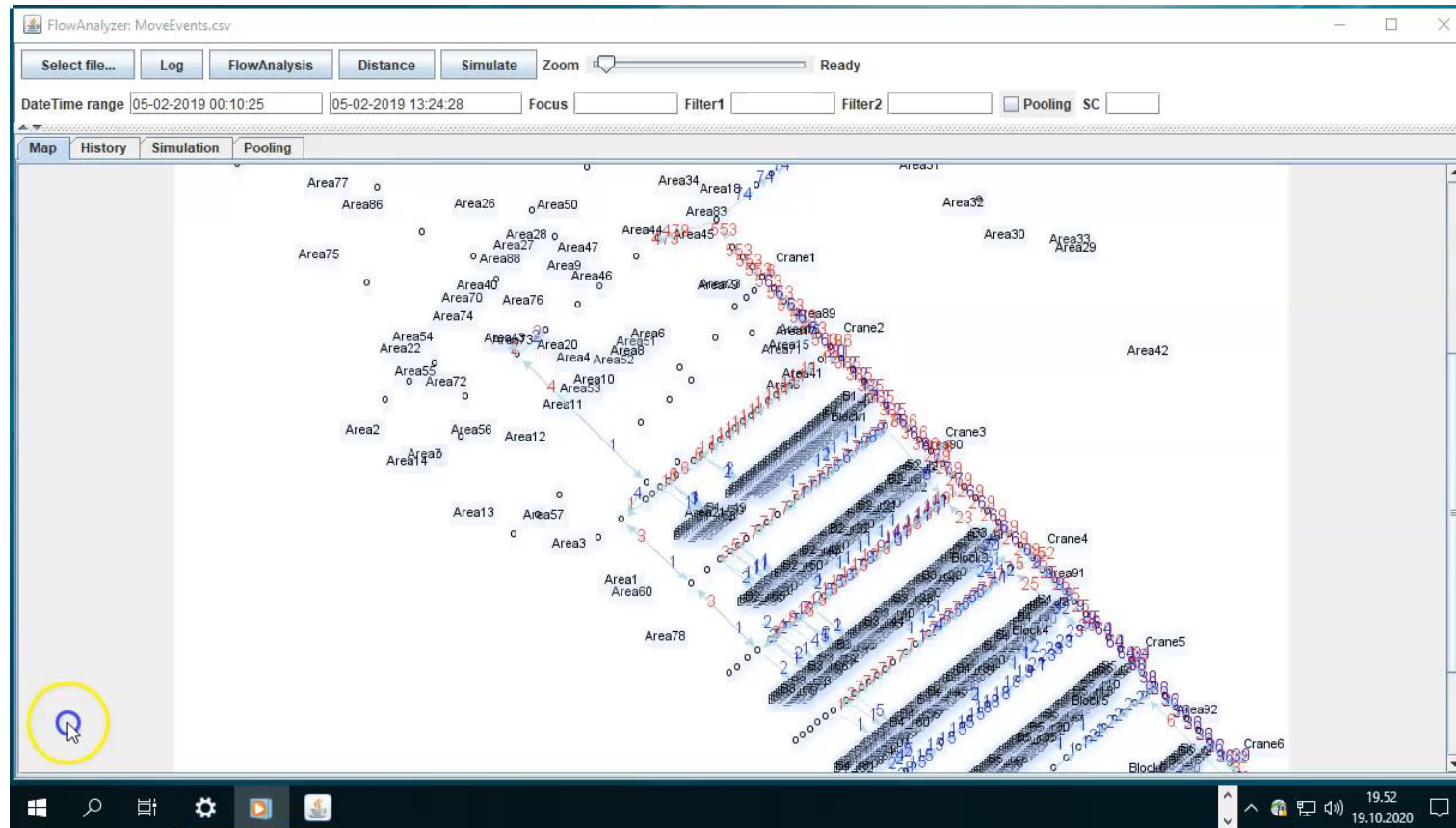
Identify inefficiencies in straddle carrier and crane operation





PORMOD Demonstration

Estimate the benefit of machine pooling during ship loading and unloading





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-  www.corealis.eu
-  [corealis_eu](https://twitter.com/corealis_eu)
-  [COREALIS EU Project](https://www.youtube.com/COREALIS_EU_Project)
-  [Corealis_eu](https://www.linkedin.com/company/corealis_eu)
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THANK YOU FOR YOUR ATTENTION



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