



GREEN EFFORTS – Green and Effective Operations at Terminals and in Ports

Anne Schwientek, Fraunhofer CML e-harbours conference on electric mobility, 21.11.12, Malmö



GREEN EFFORTS – PROJECT AIM



Reducing the CO₂ footprint of terminals and ports

- through a cleaner energy mix
- and through reduced energy consumption.



FACTS AND FIGURES

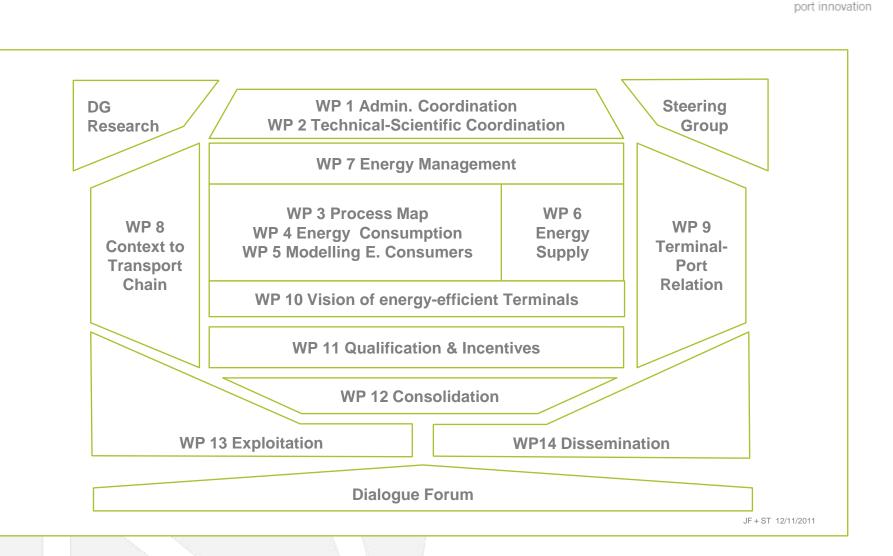




HPTI

GLOBAL INSIGHT

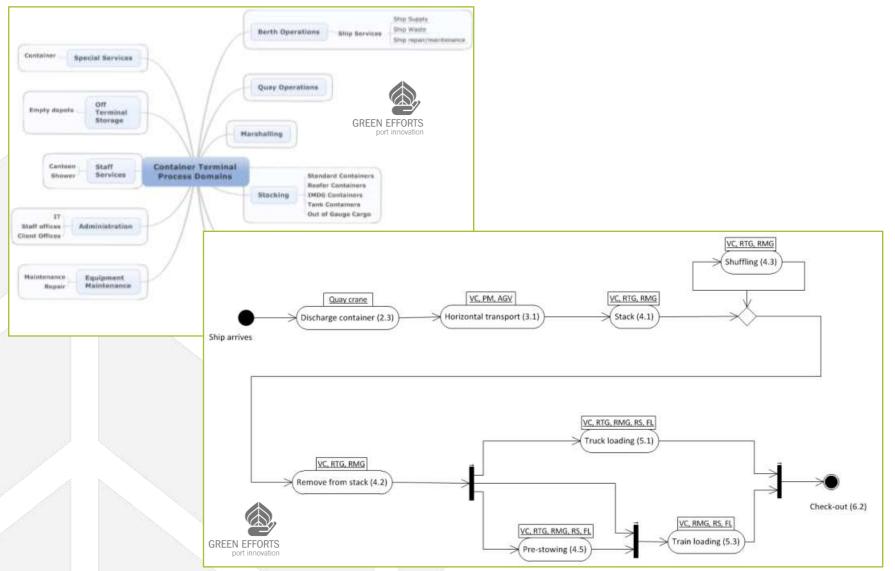
FACTS AND FIGURES – WORK PACKAGES



GREEN EF

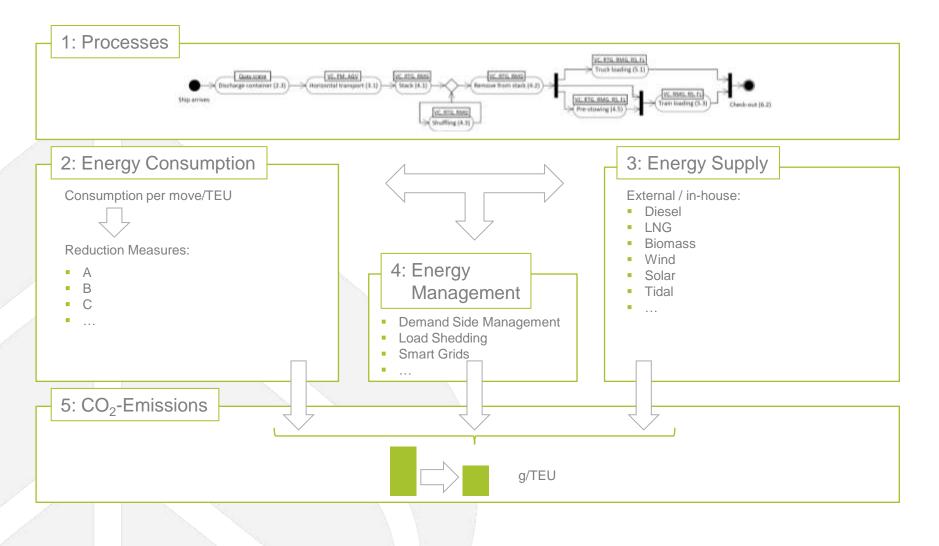
RESULTS – PROCESS MAP CONTAINER TERMINAL





OUTLOOK – PORT & TERMINAL KNOWLEDGE LANDSCAPE





RESULTS – REFERENCE TERMINAL PROCESSES





RESULTS – REFERENCE TERMINAL PROCESSES





RESULTS – REFERENCE TERMINAL ENERGY CONSUMPTION





RESULTS – REFERENCE TERMINAL ENERGY SUPPLY





INFORMATION AND CONTACT



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- Project website: http://www.green-efforts.eu/
- Information material:
 - Flyer
 - White paper: Photovoltaics, LED and others



- Contact
 - Project Coordinator and Dissemination group: Jacobs University Bremen gGmbH Prof. Jens Froese, Indah Lengkong i.lengkong@jacobs-university.de
 - Presentation on e-harbours conference on electric mobility: anne.schwientek@cml.fraunhofer.de