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HAZARD

CRUDE OIL TRANSFER SAFETY ANALYSIS AND OIL SPILLS PREVENTION IN PORT OIL TERMINAL

PRESENTATION AT HAZARD WORKSHOP ORGANIZED BY PSRA ON 15.02.2019 IN GDYNIA.

WP4 RISK ASSESSMENT AND ANALYSIS

4.1 RISK ASSESSMENT METHODS & MODELS

4.2 IMPROVED USE OF RISK ASSESSMENT METHODS



CRUDE OIL TRANSFER SAFETY ANALYSIS AND OIL SPILLS PREVENTION IN PORT OIL TERMINAL

KEYWORDS:

OIL PORT TERMINAL, OIL TRANSFER, OPERATION PROCESS, SYSTEM RELIABILITY, OIL SPILL, HUMAN FACTOR, PRESSURE UPSURGE, SAFETY PROCEDURES, ESD SYSTEM, LCH SIMULATOR

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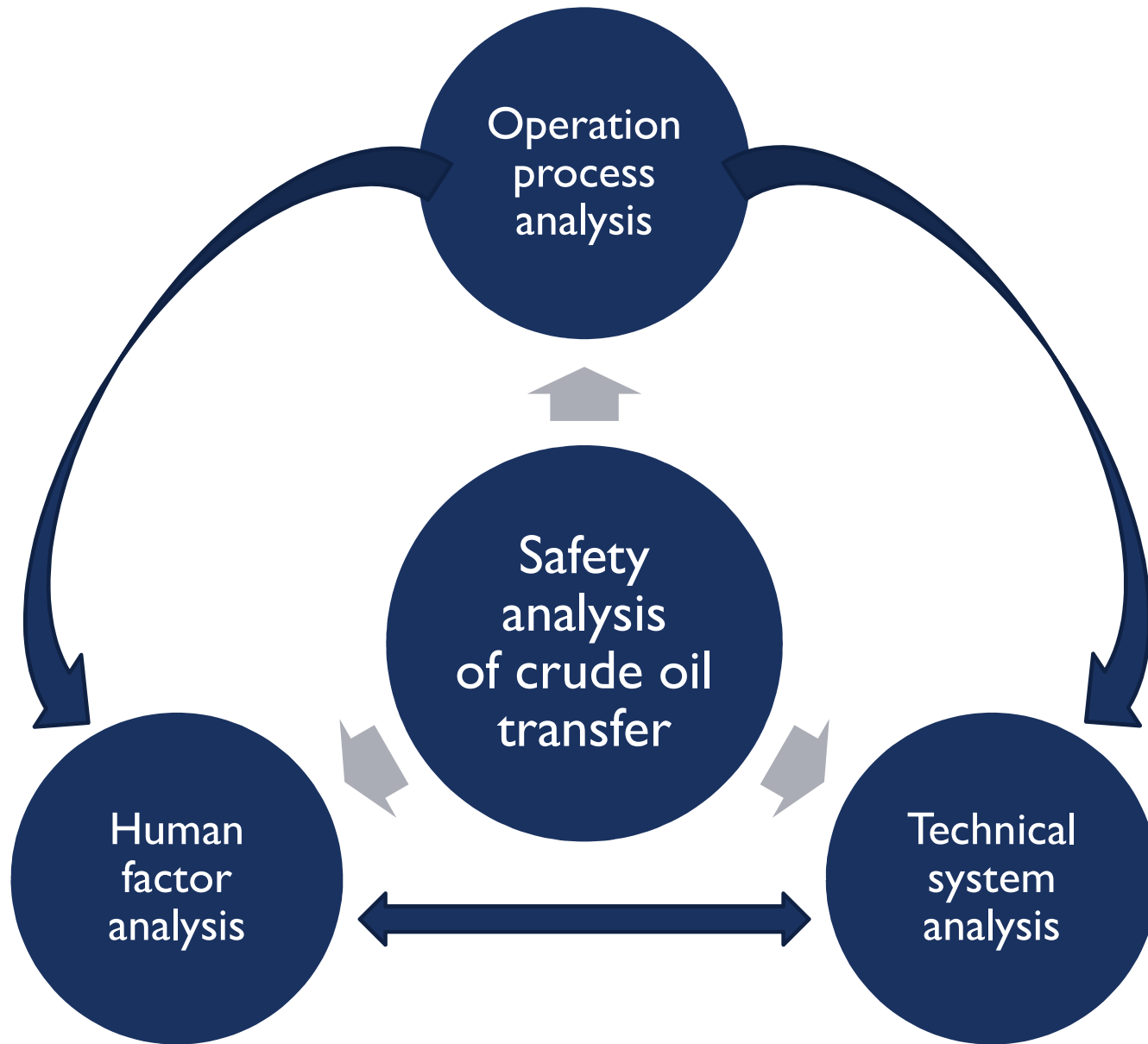
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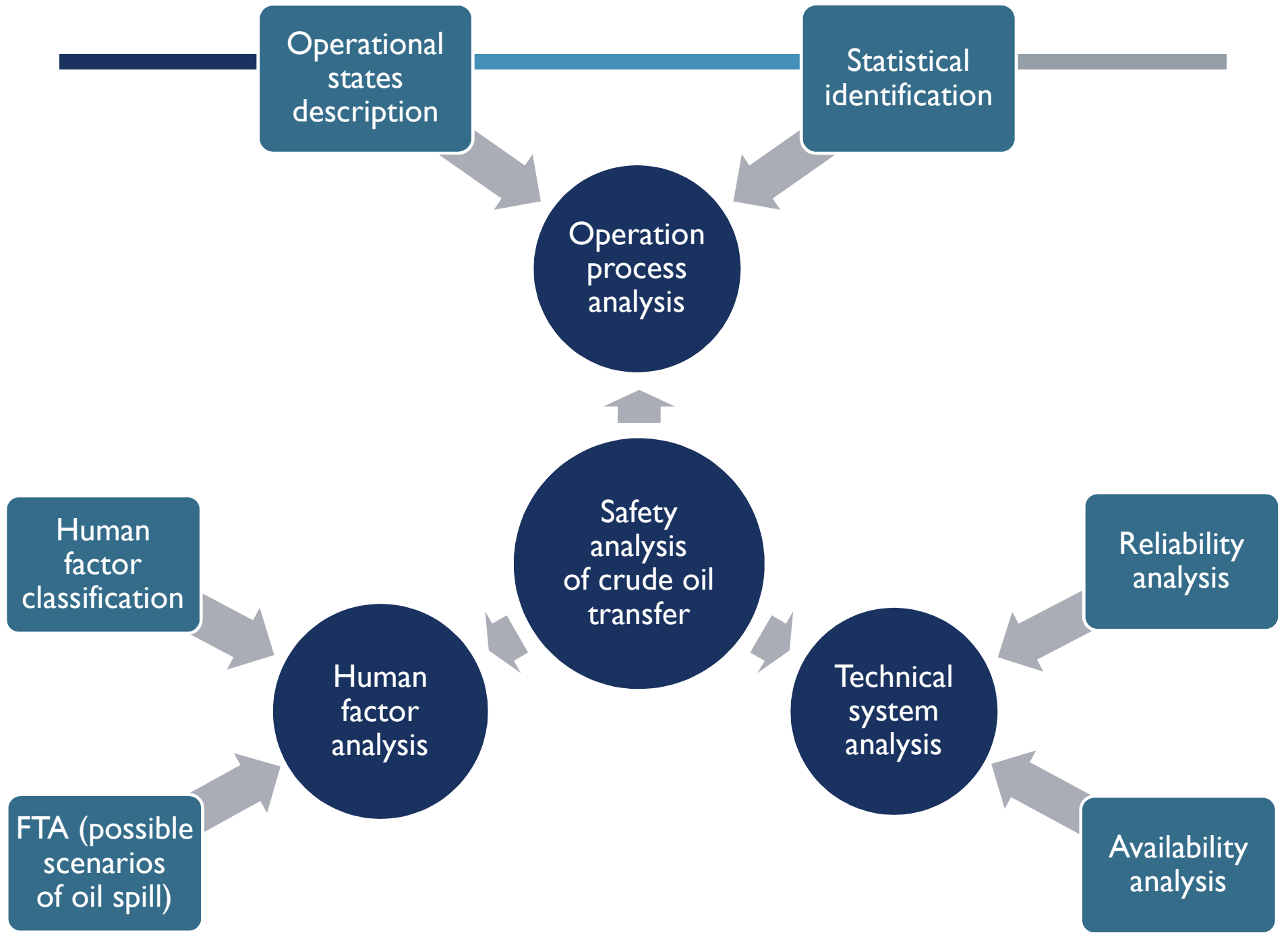
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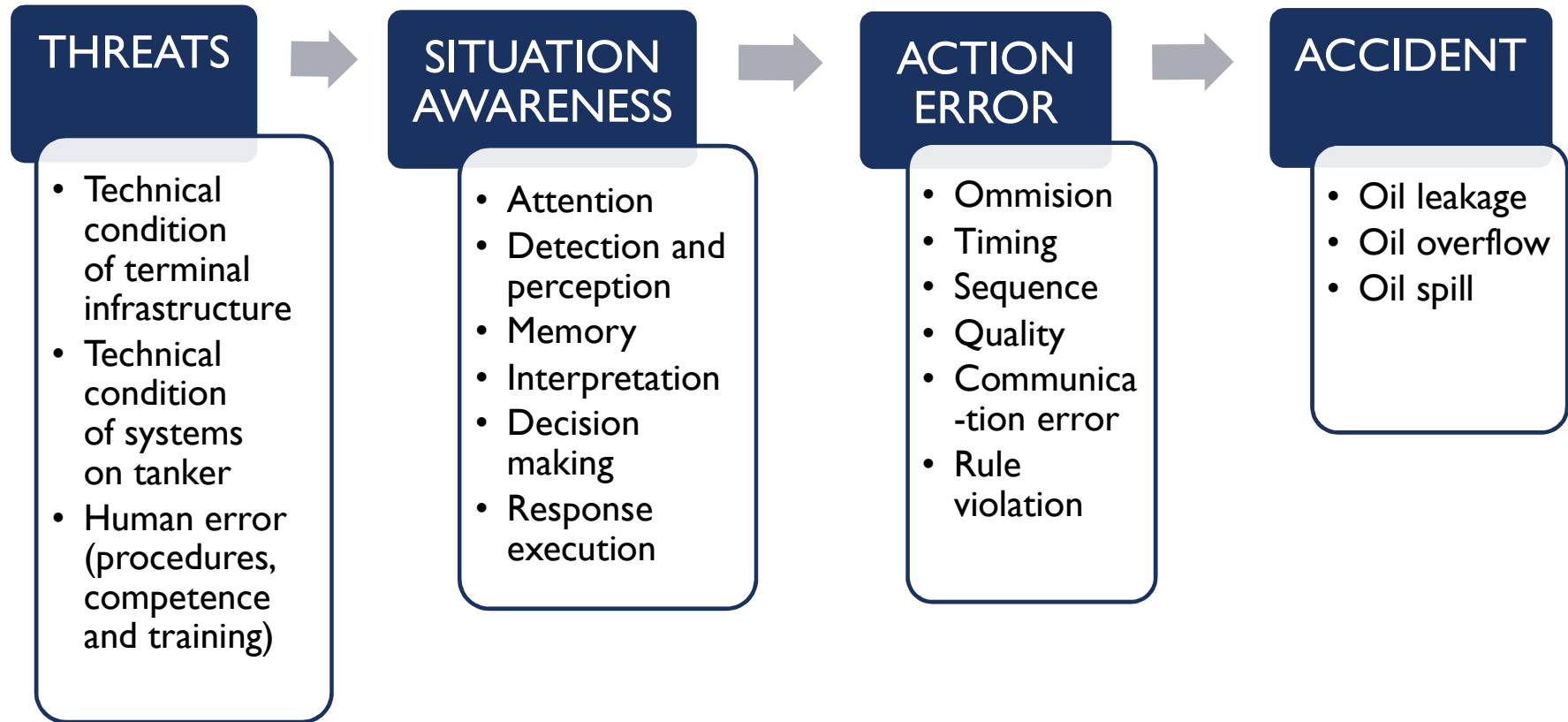
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Direction of causation



Direction of analysis

(possible scenarions and potential causes of oil spill in port oil terminal, identification of threats)



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graph TD; A[Prevention of oil spill during crude oil transfer] --> B[Technical solutions]; A --> C[Solutions related to human factor]; B --> D[Uniform requirements in terminals and on tankers]; B --> E[ES, ESD, ERS, Surge relief Systems]; C --> F[Regulation and safety procedures]; C --> G[Training and courses on the LCH Simulator];
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Prevention of oil spill during crude oil transfer

Technical solutions

Uniform requirements in terminals and on tankers

ES, ESD, ERS, Surge relief Systems

Solutions related to human factor

Regulation and safety procedures

Training and courses on the LCH Simulator

