BLIS
Berth Information System

Roelof Weekhout Msc BEnvE
November 2018
This presentation

- Prelude to BLIS
- BLIS in detail
- Expanding BLIS - to national level - ...and beyond?
Prelude to BLIS

- Several projects focussed on optimization of lock & berth use
  ➔ need for a “Blue Wave” policy

  • Blue Wave
    1) Path & convoy management ➔ tool for tall ship routes
    2) Lock planning ➔ real time tool for users; estimate lock passage time
    3) Bridge planning ➔ decision support system for bridge operators
    4) Berth location and information system ➔ real time tools for users
BLIS in detail

• Binnenvaart (Binnenschifffahrt) Location & System
  Ligplaats (Liegeplatz) Informations
  Informatie (Informations) System
  Systeem

• Initiative by the Port of Rotterdam (2014)

• Open system → Port of Amsterdam & Dutch government joined

• All data available on one platform: www.blauwegolfverbinding.nl
BLIS in detail

• **What can BLIS do**
  - give real-time availability
  - dimensions of the berth
  - types of ships allowed
  - ADN-ships allowed (# of cones)
  - extra functions like car drop-off

• **How does BLIS work?**
  - detects AIS transponder in a polygon
  - calculates & stores % availability

• **Wat is BLIS not?**
  - berth reservation system
  - tool for law enforcement
  - pleasure craft

www.bluwwegolfverbindend.nl
Live demonstration
BLIS in detail

• **Challenges**
  - Solve system errors
  - Keep the polygones up to date
  - GDP regulation (2016/679 EU)

• **Plans for the future**
  - Use BLIS to report berth damage & problems
  - Integration in River Guide App
  - Integration in ECDIS (PC Navigo, Tresco)?
  - BLIS terminal for lock & bridge masters

! BLIS will remain a free & voluntary service
Expanding BLIS

- Port of Rotterdam: +250 (2014)
- Port of Amsterdam: +150 (2016)
- Rijkswaterstaat: +700 (2018)
- All others ports, provinces & municipalities: +500-1000 (2019-2021)
- Other countries?
Questions