

# **The TIDE Toolbox**

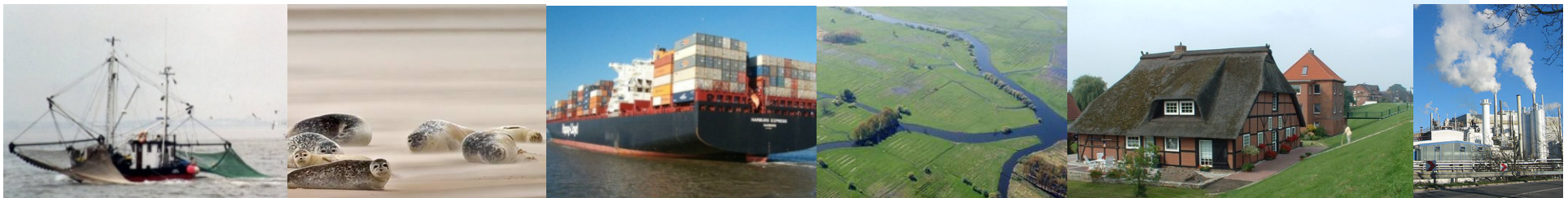
## **Guiding Estuarine Management**

Dr. Kirsten Wolfstein, Hamburg Port Authority

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## Aims

- Support estuarine managers in their daily work.
- Provide information for interested people & organisations.
- Show relationship between estuary functioning, governance & appropriate management measures.
  - Share our knowledge and experience
  - Give recommendations
  - Provide tools



# The TIDE Toolbox

— interactive website containing TIDE knowledge

- Reports
  - Direct approach / summary
  - Management Issues
  - Key Words
- Management Measures Database
- Tools
  - ✓ Recommendations
  - ✓ Templates
  - ✓ Methodologies
  - ✓ Examples of good practise
  - ✓ App
  - ✓ EPSS
- Links





## More information & announcements

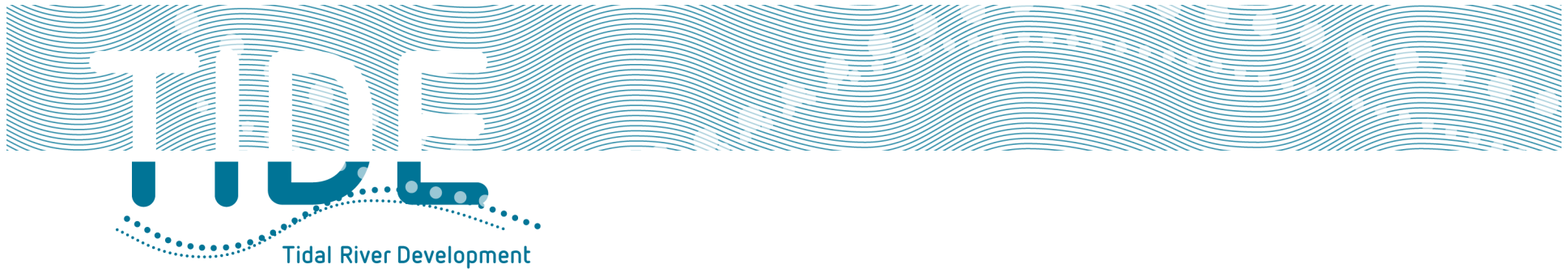
- Toolbox flyer → your conference folder
- Try the toolbox → computers in the hall
- TIDE talks tomorrow → 9.00 h tomorrow
- Talk to TIDE partners ● on their badge
- Try drinks and food → in the hall

***ENJOY!!***

**Thank you for your attention!**  
*The TIDE project team*



**Click on  [www.tide-toolbox.eu](http://www.tide-toolbox.eu)**



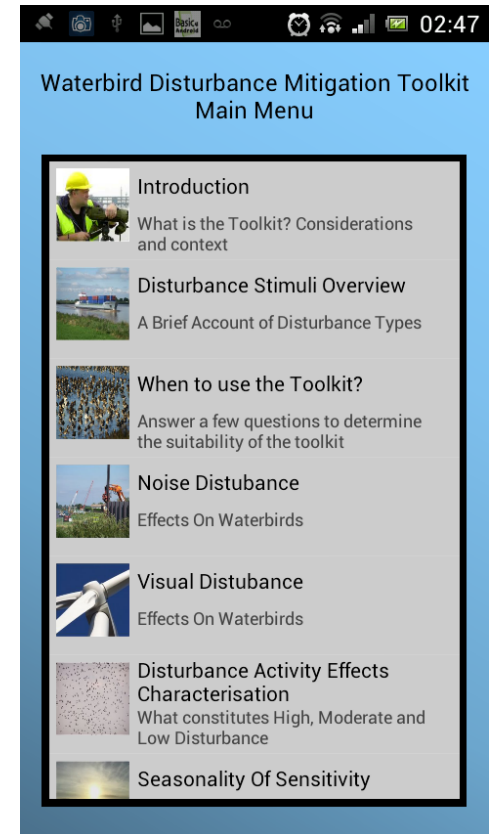


# Waterbird Disturbance & Mitigation Toolkit

- Tool for assessing likely disturbance impacts of a plan or project on waterbirds in Natura 2000 estuaries.
- PC-based and interactive Android App versions available.
- For planners, construction managers & statutory agencies to assess high-level impacts & potential mitigation.
- Includes multi-source visual & noise effects advice.

- Free PC-based Toolkit downloadable from TIDE Toolbox website.
- App available from Google Play – search ‘bird disturbance’.

*Developed by: Institute of Estuarine & Coastal Studies (IECS), University of Hull  
with Environment Agency match-funding*





## Noise Assessment (App Screens Shown)

- Output of the noise assessment function on the App:
  - noise:distance:response calculations undertaken (using on-board GPS & noise meter or via manual user input)
  - disturbance impact thresholds displayed on Google Maps (critical, high, medium and low impact distance from source)

Any questions – please ask Nick Cutts

