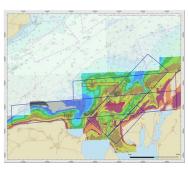
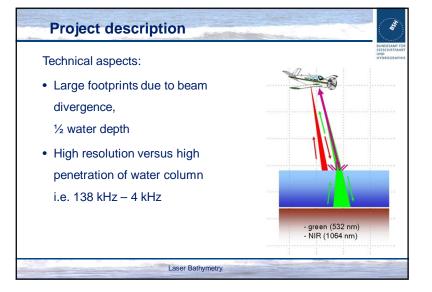


## Project description Duration from 2012 to 2014; Contracted partner is the Leibnitz University in Hannover (IPI);

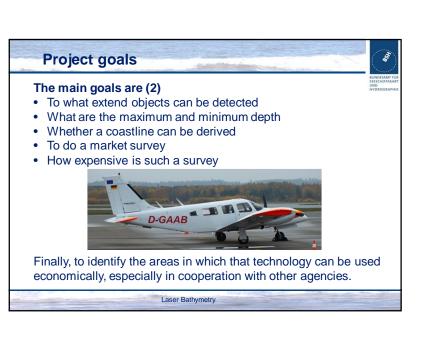
- 3 independend flights (November 2012, September 2013, Spring 2014)
- Comparison with regular surveys;
- Associated partners support with their know-how;
- One test area;
- · Different operating heights.

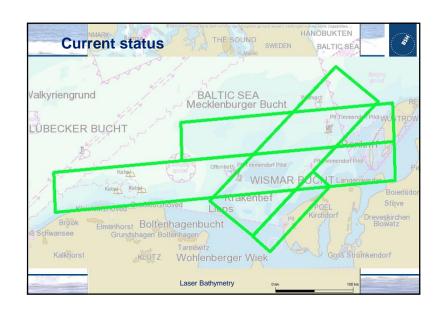


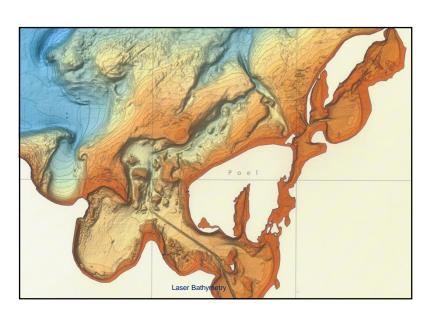
Laser Bathymetry

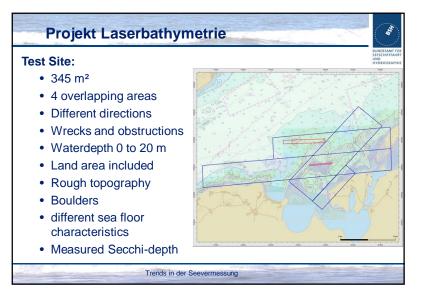


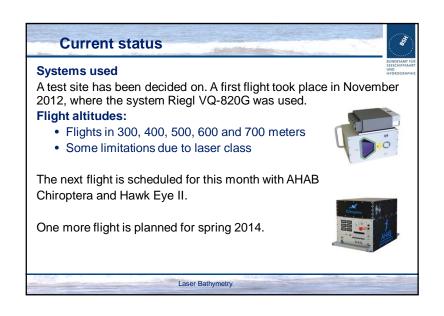


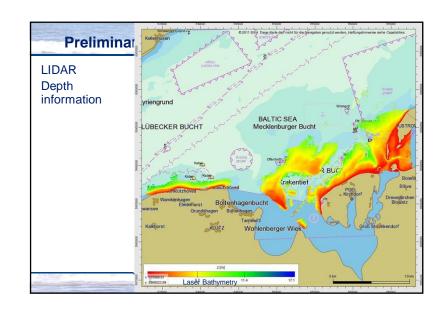


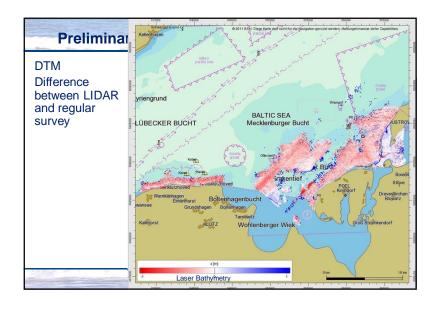


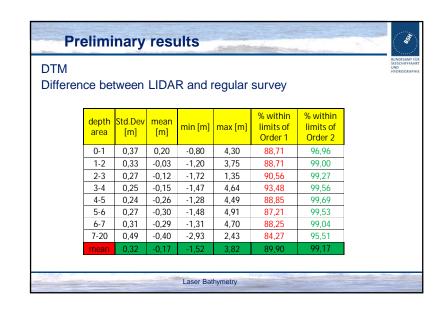


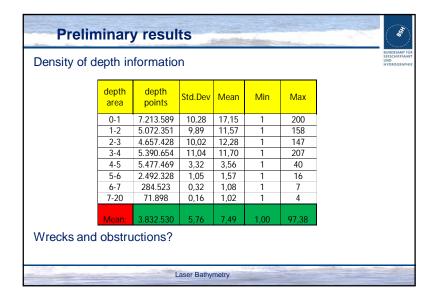


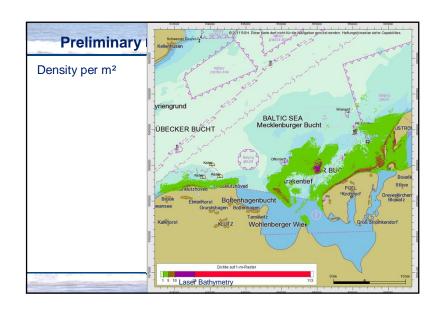


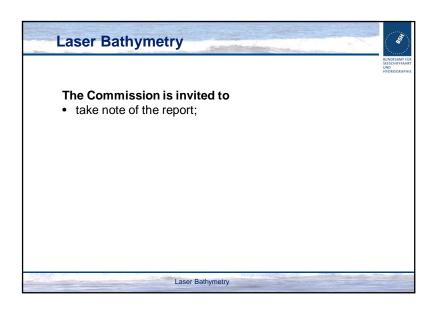












## **Preliminary results**



## The current findings are premature and can only give some hints.

- Secchi depths 5-6 meters. A good resolution has been obtained down to this depth (5 points/m²).
- Costs: depending on shape and size of the area, flight altitude and availability, in our case: roughly 300 to 350 €/km².
- It seems to be very difficult to detect objects on the sea floor.
- Anyway, for the investigated Western Baltic laser bathymetry can only be a supplement to the ship based hydrographic surveys in very shallow areas, where vessel operations are especially difficult.

Laser Bathymetry