



Autonomous shipping and data quality

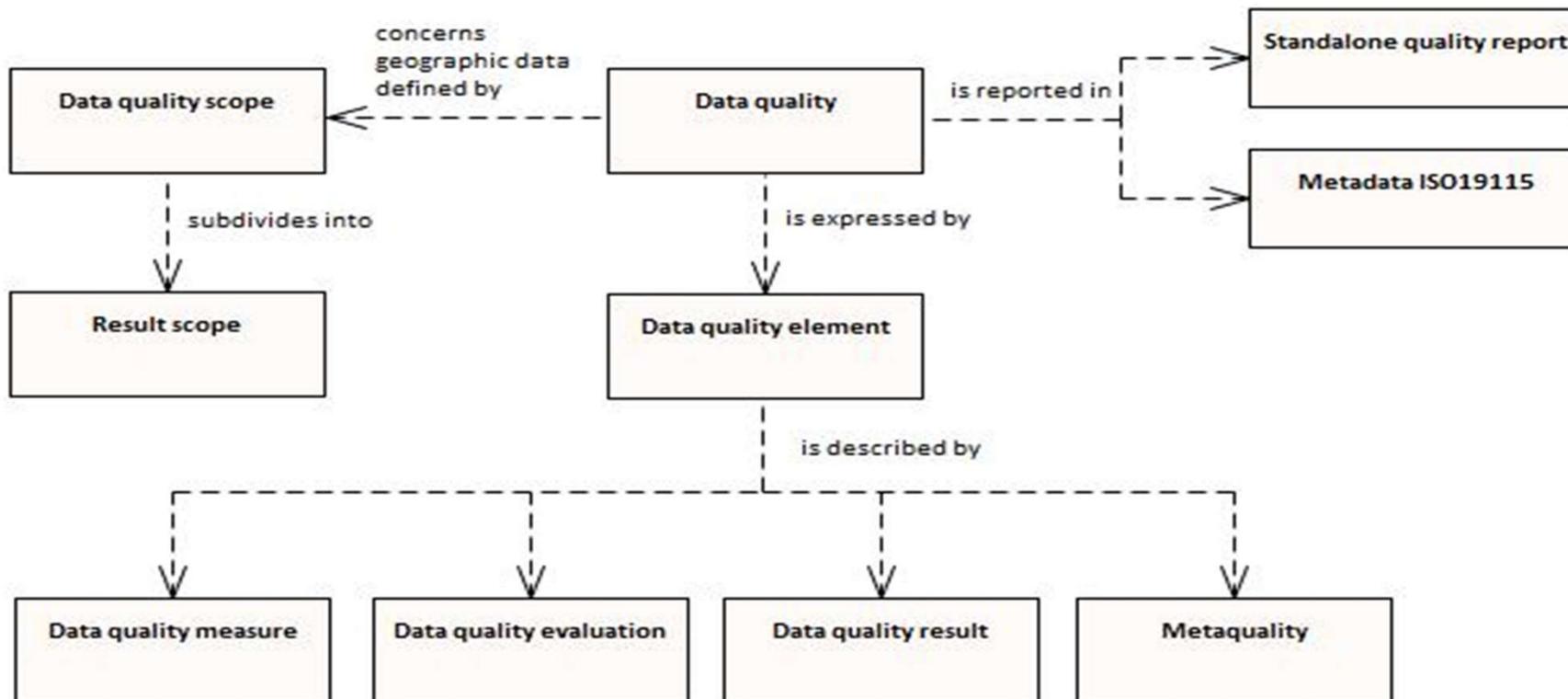
Mindmap



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CONCEPT OF DATA QUALITY

International Hydrographic Organization

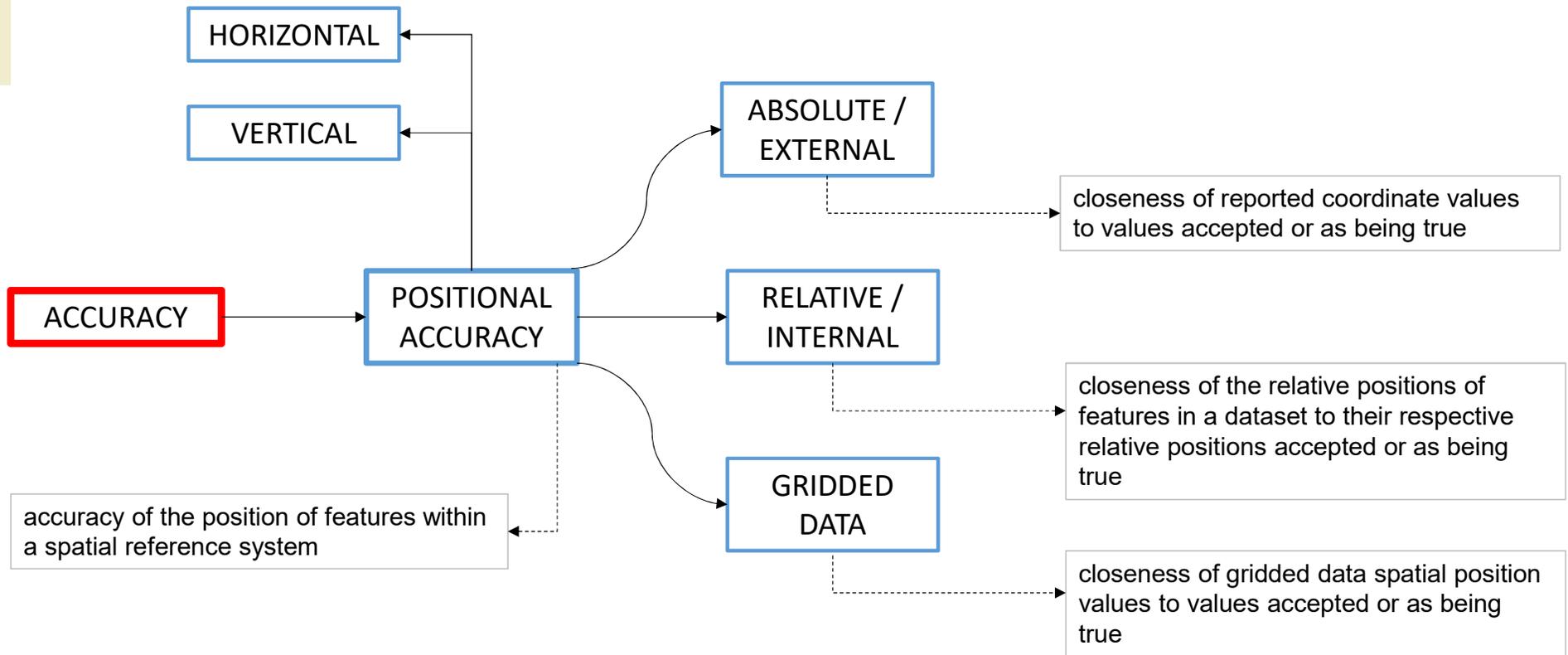




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ACCURACY

International
Hydrographic
Organization

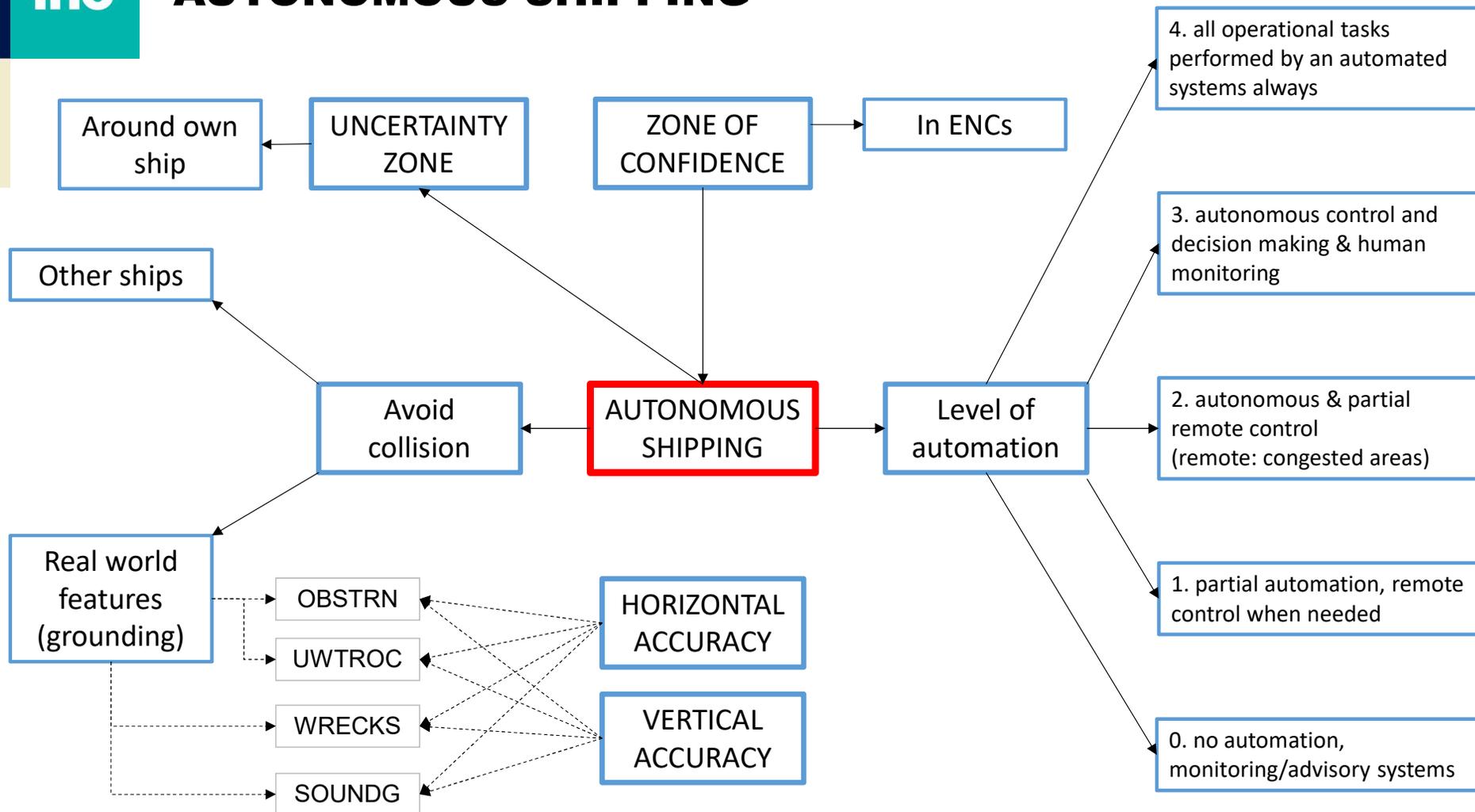




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AUTONOMOUS SHIPPING

International Hydrographic Organization





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UNCERTAINTY ZONE

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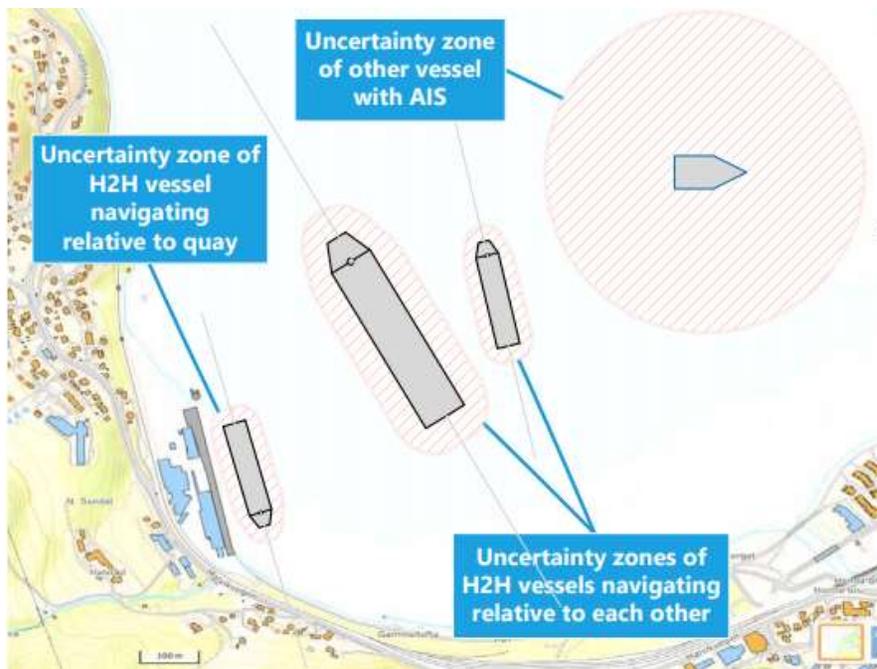


Image from S-100WG5-04.3 (SINTEF)

UNCERTAINTY ZONE

Presentation
95% or 2σ

3D -> volume

2D -> area

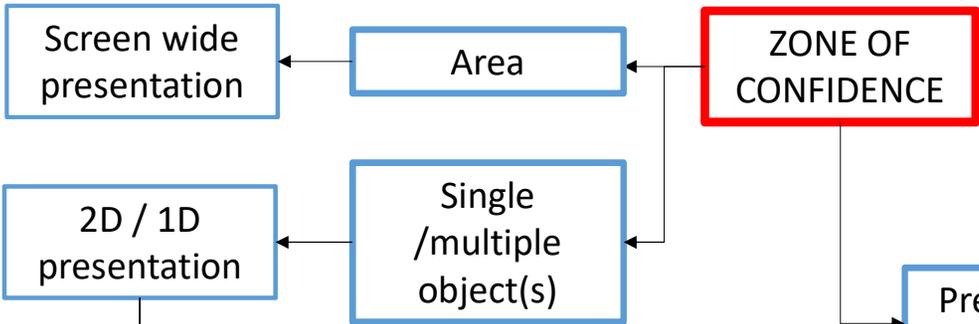
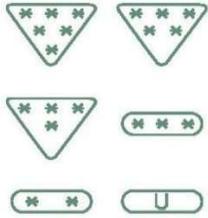
1D -> circular area



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ZONE OF CONFIDENCE (CATZOC)

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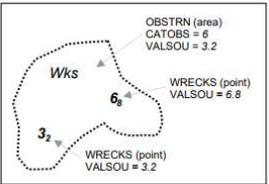
Presentation 95% or 2σ

- 3D -> volume
- 2D -> area
- 1D -> circular area

- OBSTRN
- UWTROC
- WRECKS
- SOUNDG



Circular area around a SOUNDG

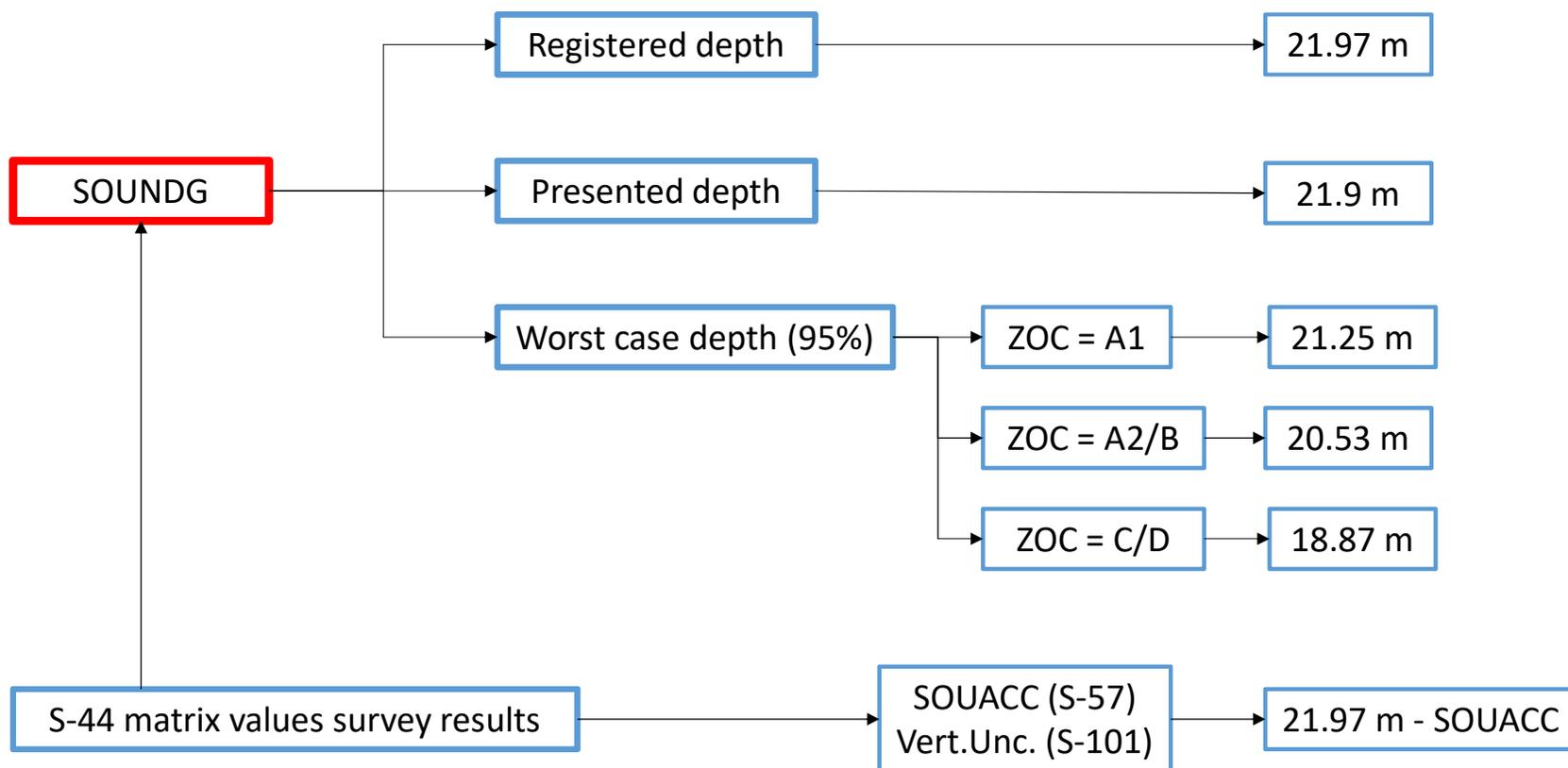


OBSTRN area around two WRECKS
Image from S-57 UOC par.6.3.2.



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SOUNDING – DIFFERENT DEPTH VALUES

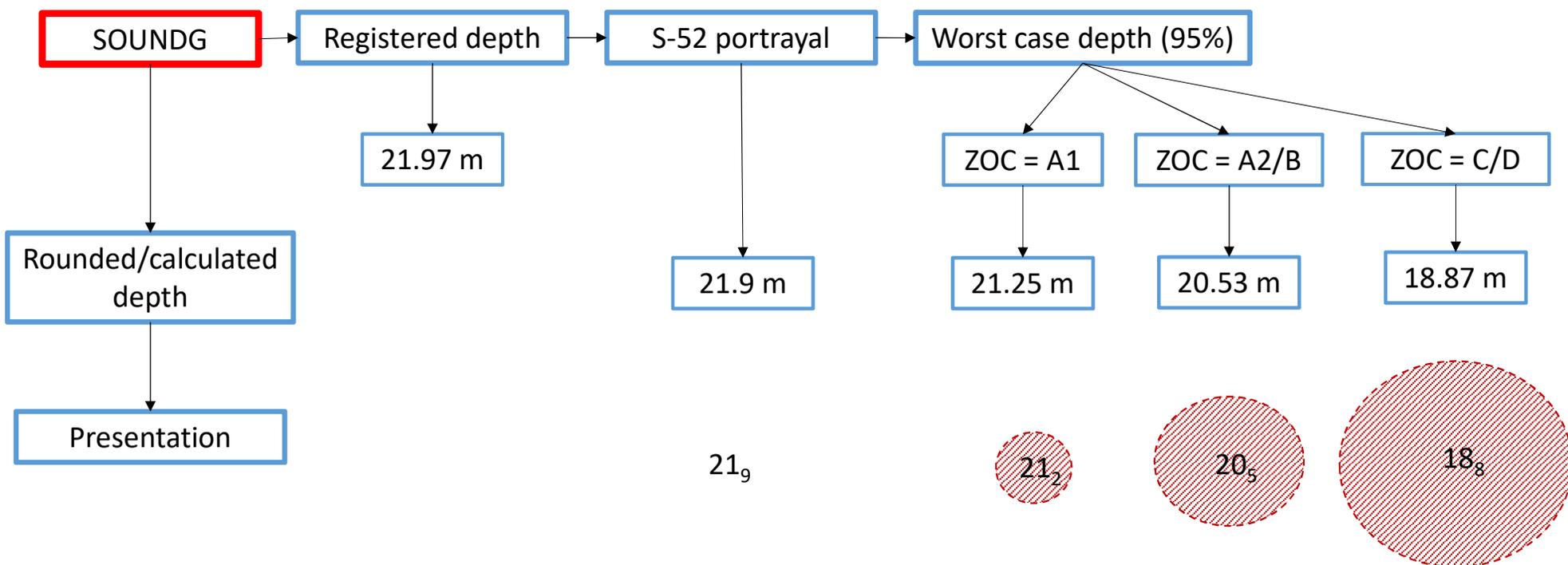




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SOUNDING – PRESENTING THE WORST CASE

Seafarers are ready to accept new technologies, if they are proved to be safer than what we have now





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DEPTH CONTOURS - VERTICAL UNCERTAINTY?

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