




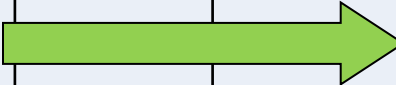




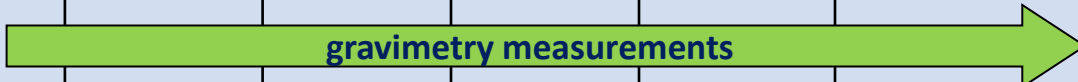
CHART DATUM WORKING GROUP

MEETING No. 12

Gdynia 3-4 March 2020

Hydrographic Office of the Polish Navy

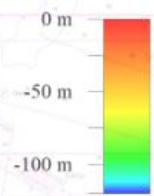
Witold STASIAK

	2018	I-III 2019	IV-VI 2019	VII-IX 2019	X-XII 2019	2020
bathymetric database and chart diagrams analysis				<div>AMSTERDAM EVRF2007</div>		
revision of data from water stations						
decision about bathymetric data correction (shift)				 NO		
release of costal band ENCs with Amsterdams vertical datum						
release of first paper approach/harbour chart with a new vertical datum						
national legal act about BSCD2000				<div>new regulation about datum</div>		
cooperation with scientific centers						


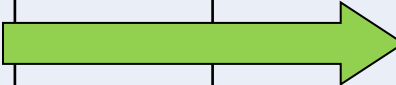




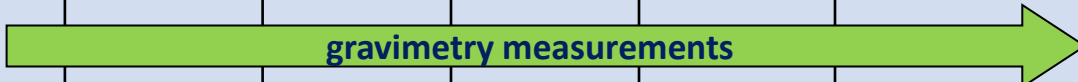
**BATHYMERTIC
DATABASE**




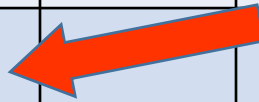
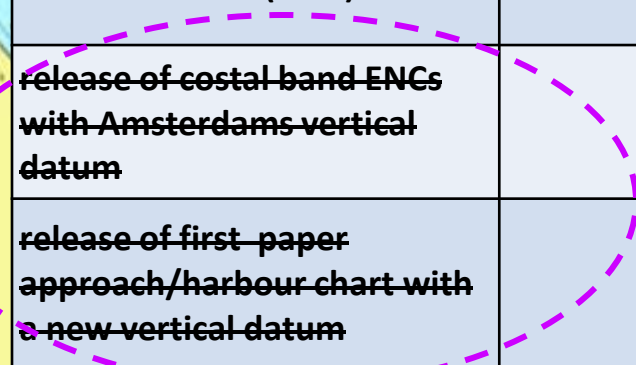

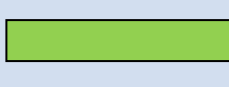




**6480 SURVEYS
since 1971**

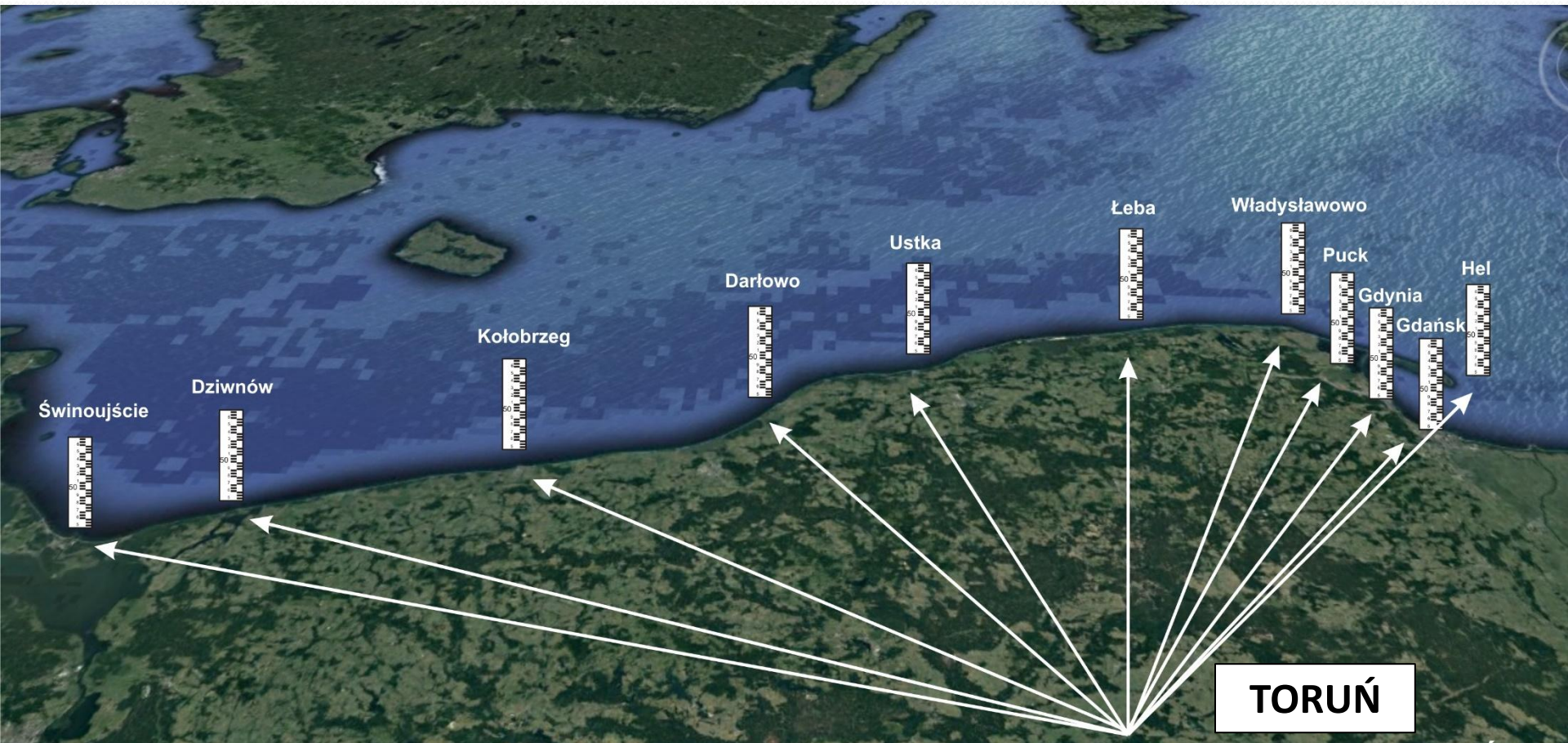


0 km 25 km 50 km 75 km 100 km

	2018	I-III 2019	IV-VI 2019	VII-IX 2019	X-XII 2019	2020
bathymetric database and chart diagrams analysis				<div>AMSTERDAM EVRF2007</div>		
revision of data from water stations						
decision about bathymetric data correction (shift)				 NO		
release of costal band ENCs with Amsterdams vertical datum						
release of first paper approach/harbour chart with a new vertical datum						
national legal act about BSCD2000				<div>new regulation about datum</div>		
cooperation with scientific centers						

	2018	I-III 2019	IV-VI 2019	VII-IX 2019	X-XII 2019	2020
bathymetric database and chart diagrams analysis				<div>AMSTERDAM EVRF2007</div>		<div>AMSTERDAM NN55</div>
revision of data from water stations						
decision about bathymetric data correction (shift)				 NO YES		
release of costal band ENC's with Amsterdams vertical datum						
release of first paper approach/harbour chart with a new vertical datum						
national legal act about BSCD2000				<div>new regulation about datum</div>		
cooperation with scientific centers	 gravimetry measurements					

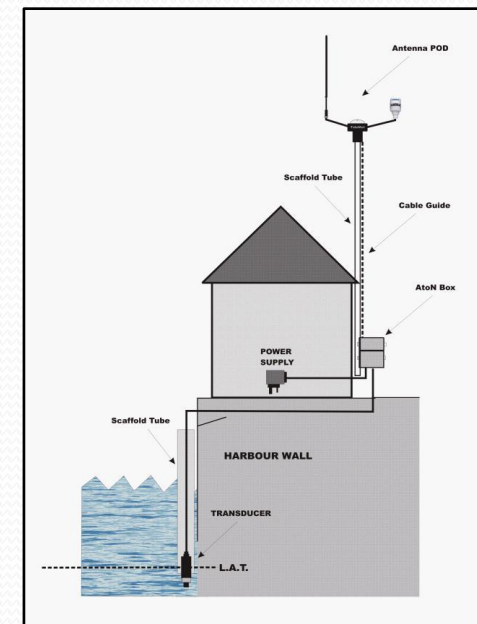
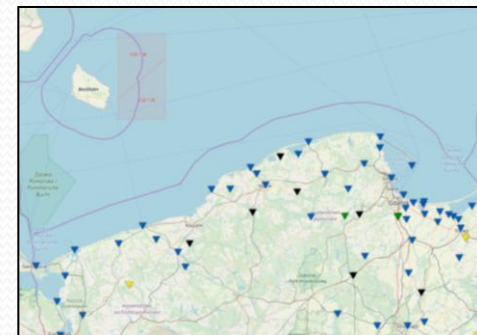
AMSTERDAM NORMAL – NULL
established 1918



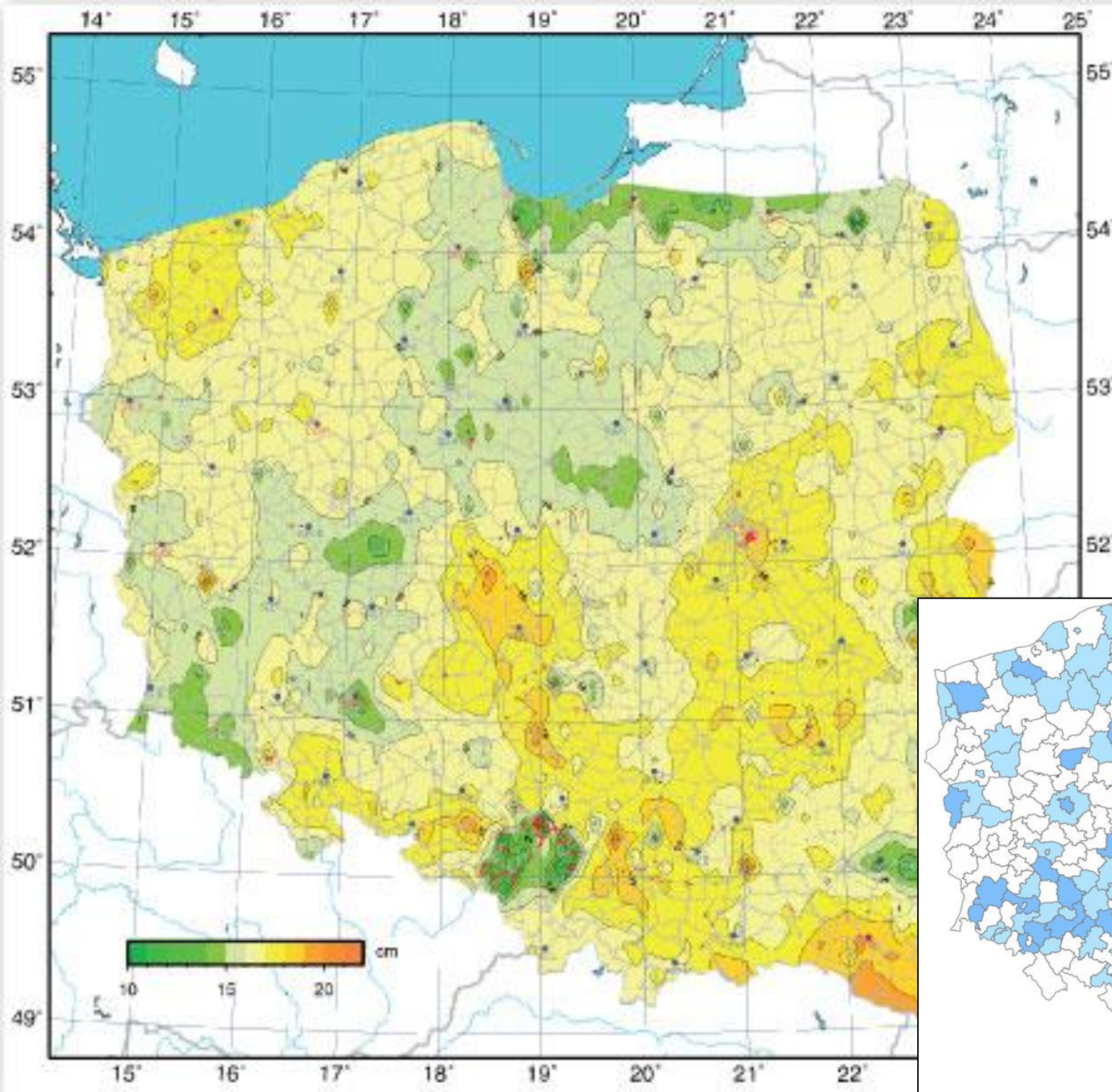
Survey campaign
1947-1955



WATER STATION	AMSTERDAM PL-EVRF2007-NH AMSTERDAM NN55	KRONSTADT PL-KRON86-NH	MSL 1999-2017	MSL 2000-2018
ŚWINOUJŚCIE	500,00	508,4	504,9	504,9
DZIWNÓW	500,00	508,4	505,9	505,8
KOŁOBRZEG	500,00	507,6	506,5	506,4
DARŁOWO	500,00	507,3	512,5	511,6
ŁEBA	500,00	508,3	506,9	506,6
USTKA	500,00	507,0	507,5	507,5
WŁADYSŁAW.	500,00	507,8	507,6	507,4
HEL	500,00	508,3	506,1	505,9
PUCK	500,00	508,2	507,2	506,9
GDYNIA	500,00	507,6	510,6	510,2
GAŃSK	500,00	507,9	512,9	512,6

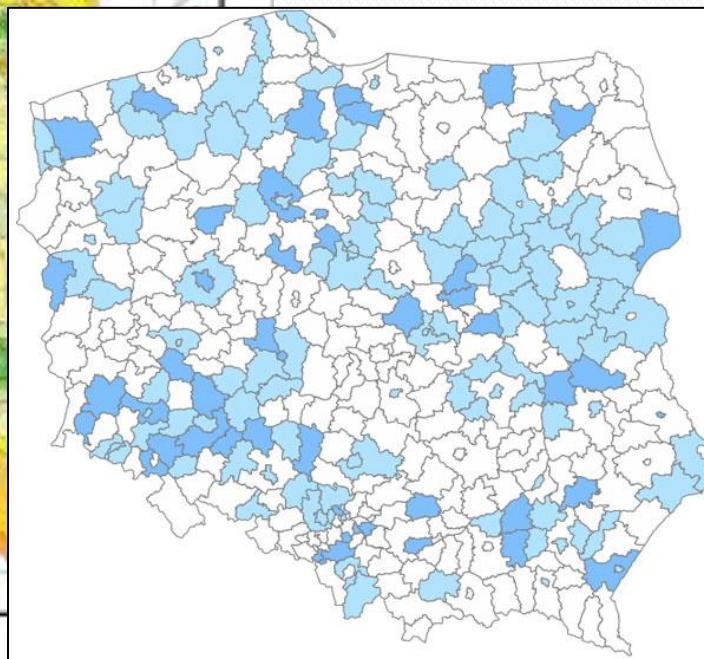


online service: <http://monitor.pogodynka.pl>

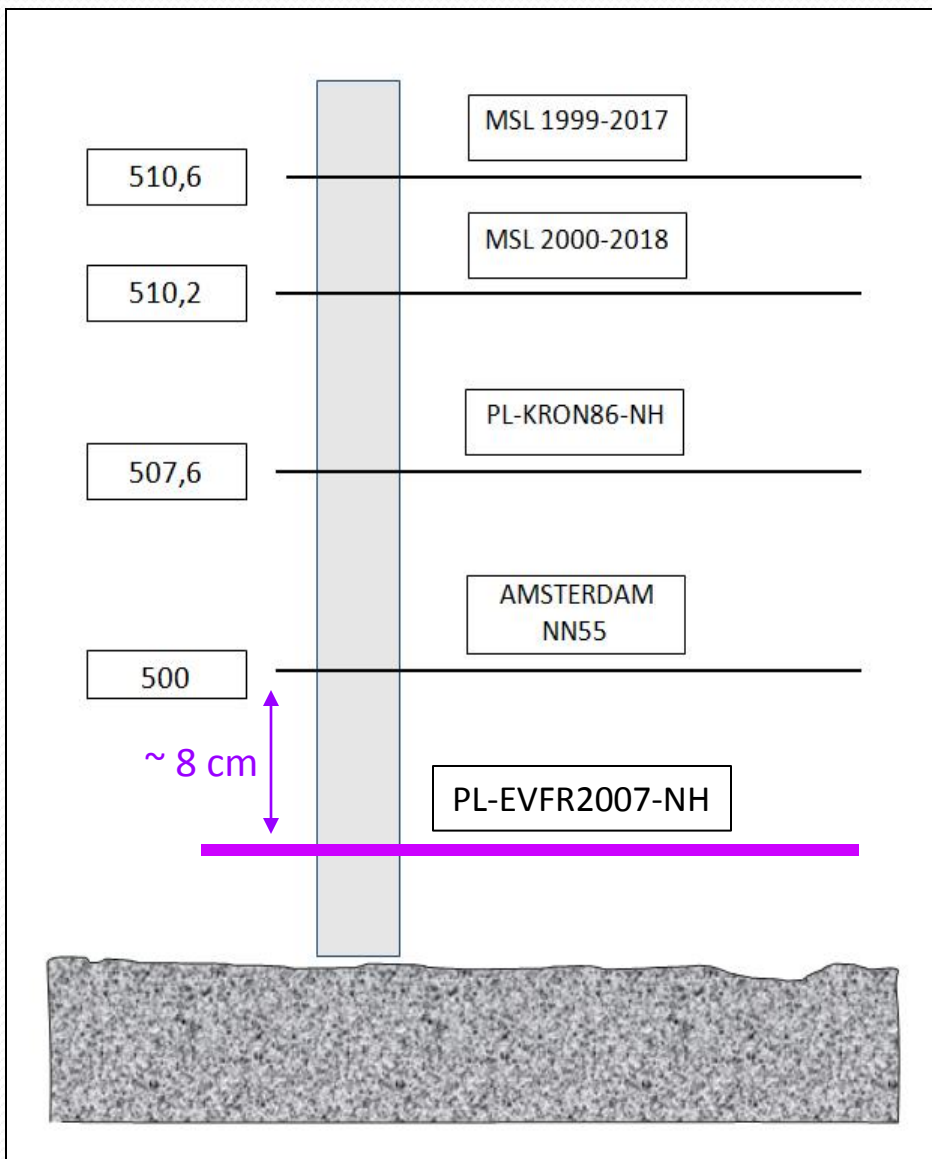


DIFFERENCES BETWEEN
KRON86
AND
PL-EVRF2007-NH

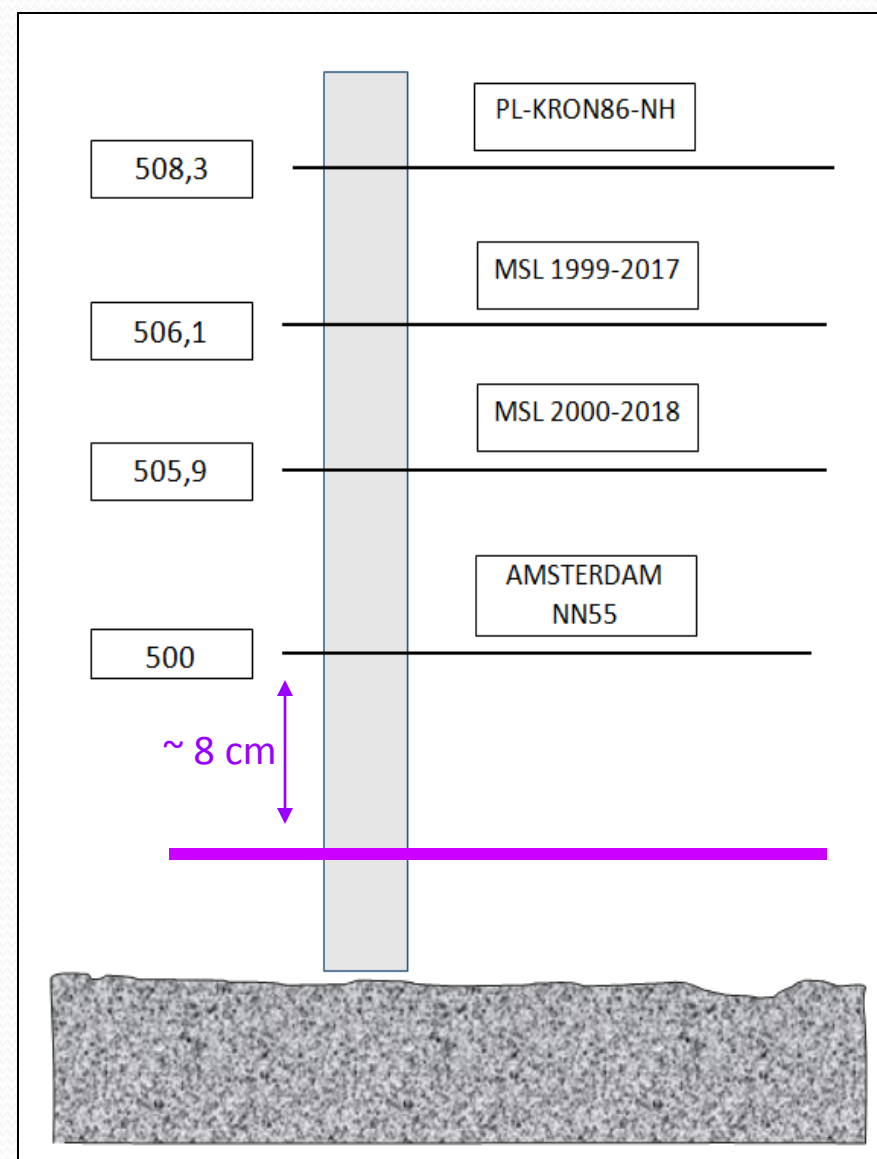
PL-EVRF2007-NH
IMPLEMENTATION



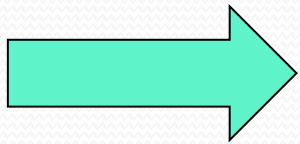
GDYNIA WATER STATION



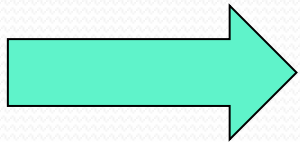
HEL WATER STATION



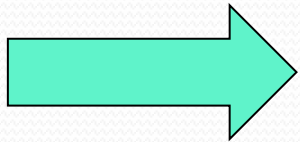
GOALS FOR 2020



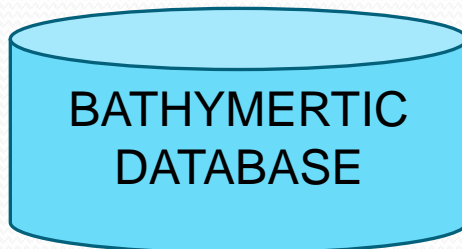
submit the change of national law regarding reference system



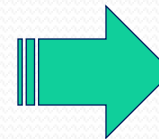
water stations surveying campaign (PL-EVRF2007-NH)



developing a conversion model for bathymetric data
(Amsterdam55 → PL-EVRF2007-NH)



Amsterdam55



PL-EVRF2007-NH
(BSCD2000)

ENC S-57 vertical datums

1. Mean low water springs
2. Mean lower low water springs
3. Mean sea level
4. Lowest low water
5. Mean low water
6. Lowest low water springs
7. Approximate mean low water springs
8. Indian spring low water
9. Low water springs
10. Approximate lowest astronomical tide
11. Nearly lowest low water
12. Mean lower low water
13. Low water
14. Approximate mean low water
15. Approximate mean lower low water
16. Mean high water
17. Mean high water springs
18. High water
19. Approximate mean sea level
20. High water springs
21. Mean higher high water
22. Equinoctial spring low water
23. Lowest astronomical tide
24. Local datum
25. International Great Lakes Datum 1985
26. Mean water level
27. Lower low water large tide
28. Higher high water large tide
29. Nearly highest high water
30. highest astronomical tide (HAT)

Remarks: This attribute is used to specify the datum to which both heights (vertical datum, see S- 57 Part 3) and soundings (sounding datum, see S-57 Part 3) are referred.