



Rijkswaterstaat
Ministerie van Verkeer en Waterstaat

Drifting along the seashore

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October 9 2009

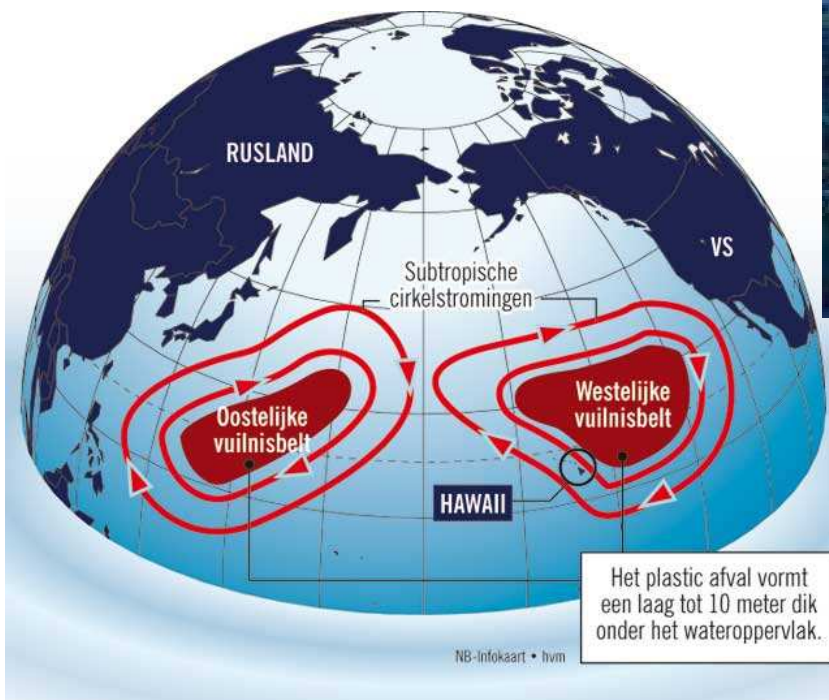


Drifting along the seashore.....





Plastic soup?





Also in our North Sea?

- No plastic soup
- Every year approx. several 1000 tonnes of litter enters our sea
- (equivalent of a few 100 trucks)



- Distribution influenced by sea currents and wind patterns



What do we find on our beaches?

- Approx. 15% washed upon the beaches
- No decrease over the last 8 years



Sources of marine litter: mainly tourism, shipping, fisheries



What do we find on the beaches?

- fisheries: nets, crates
ropes, gloves
- Shipping: jerrycans, pallets
industrial packaging material





What do we find on the beaches?

- Tourism: plastic bottles, (drinking)cans, candy wrappers, cigarettes, toys

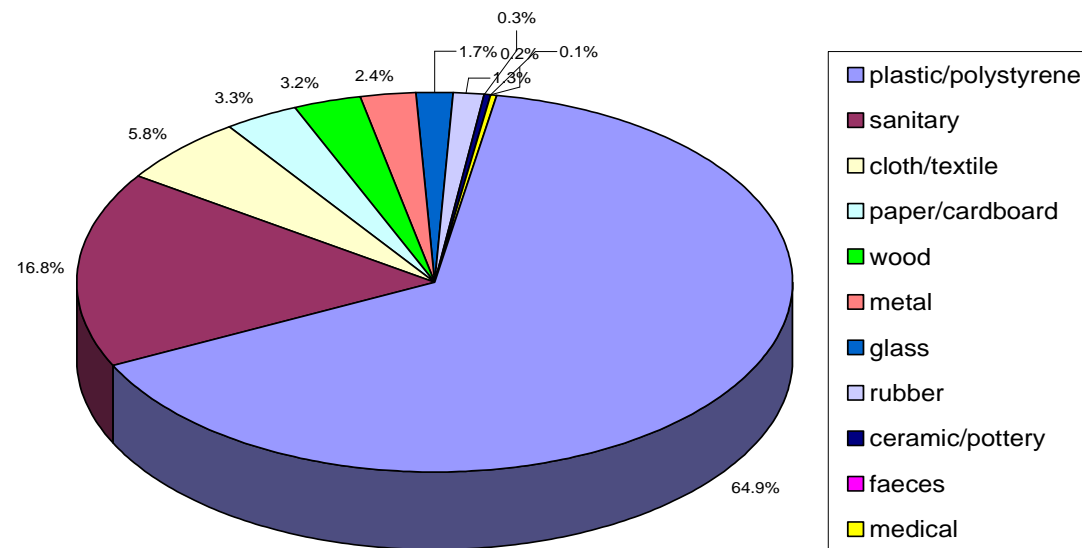




What is the composition?

- 65 % plastics

Proportion of marine litter categories on reference beaches (100m)





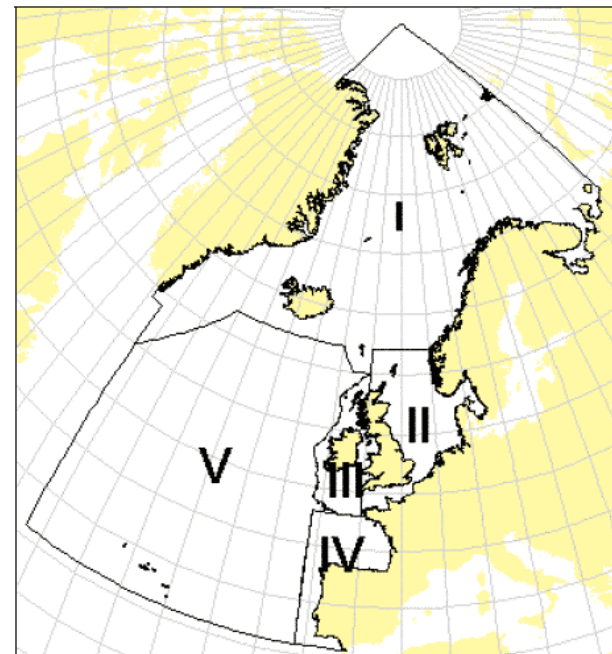
Consequences for nature: plastic in stomachs Fulmars





International coordination

- Crossborder issue (in relation to natural conditions like seacurrents but also in relation to shipping)
- International (IMO), European and Regional (OSPAR Convention) Agreements





Safe, clean and profitable use of the sea: mission statement RWS Noordzee

Approach in relation to litter:

- Monitoring beach litter in order to get a view on trends
 - Shipping and fisheries: improving international regulation (IMO, EU) to increase waste delivery by ships
 - Enforcement by Shipping inspectorate in the ports
 - Tourism: especially through communication
 - Research: monitoring at sea; microplastics
-
- For all sectors: awareness raising and behaviour change (our sea is not a garbage can!)



Project “Zwervend langs Zee” (drifting along the seashore)

- With KIMO Netherlands/Belgium, North Sea Foundation and 9 coastal communities
- Show the amount of marine litter left behind on the beaches (and to be cleaned by the municipalities), communicate numbers and effects to beachvisitors and beach-entrepreneurs and tell them how they can help to reduce the amount of marine litter
- Objective: awareness raising and a (clear) reduction of beach litter
- Two year project: until end of 2010



First results

- Development of logo and slogan
- Communication plan and Communication material (flags, banners, posters, leaflets, documentation)
- Monitoring plan
- Action plan including Clean team
- Development of website: www.zwervendlangszee.nl
- Collaboration with Universities (research on impact litter on beachlife and interviewing beach-entrepreneurs)
- Regular meetings with all municipalities to exchange experiences, discuss/compare monitoring results and actions on the beaches
- Coverage, press releases in (local) newspapers and on tv
- First year evaluation in November



Some impressions (poster w/Logo and Slogan)





Some impressions (opening May 7, Zijpe)



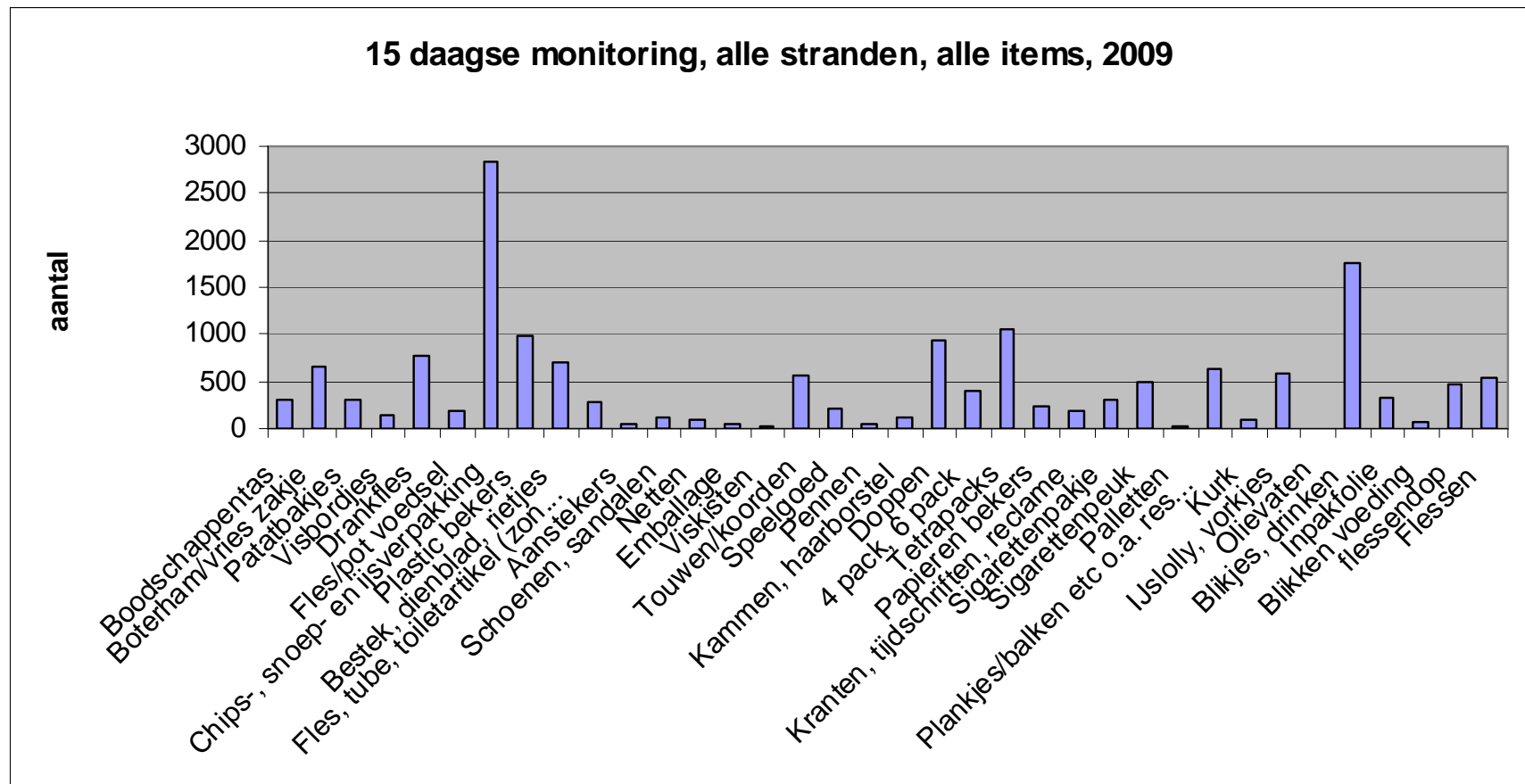


Some impressions (monitoring)

15 daagse meting_totalen 2009						
Project Zwervend langs Zee 2009-2010						
Algemeen						
Gemeente	Den Haag	Ameland	Bergen	Den Helder	Katwijk	Noordwijk
Contactpersoon en telefoonnummer						
Datum/periode						
Strand						
Strandweer ja/nee?						
Windrichting						
Lengte strand	1000 meter	1000 meter	1000 meter		500 meter	
Soort strand						
Machinaal of handmatig gereinigd						
Aantallen						
eventuele opmerkingen						
plastics						
kg's						
Boodschappentas	5	2	56	2	58	28
Boterham/vries zakje	32	138	82	29	72	48
Patatbakjes	30	55	46	16	34	11
Visbordjes	9		27	12	20	3
Drankfles	290	42	96	75	53	88
Fles/pot voedsel	3	23	19	6	15	23
Chips, snoep- en ijsverpakking	264	108	616	42	933	340
Plastic bekens	136	48	128	30	219	117
Bestek, dienblad, rietjes	139	18	116	8	154	158
Fles, tube, toiletartikel (zonnebrand, deo, gel)	10	31	13	35	83	17
Aanstekers	11	7	4	13	3	7
Schoenen, sandalen	23	4	17	16	3	7
Netten	1	8	19	22	3	4
Emballage			7		41	2
Viskisten			2	11		
Touwen/koorden	66	124	18	117	37	29
Speelgoed	35	3	26	8	43	46
Pennen	2		20	1	9	11
Kammen, haarborstel	2		1	48	60	1
Doppen	132	51	106	128	217	160
4 pack, 6 pack	13	20	8	3	22	5
Papier						
kg's						
Tetrapacks	361	15	214	10	265	92
Papieren bekens	19	2	40	7	61	44
Kranten, tijdschriften, reclame	27	4	15		84	30
Sigarettenpakje	39	11	45	10	43	47
Sigarettenpeuk	197	117	16		92	18
Hout						
kg's						
Palletten		1	1	6		
Plankjes/balken etc o.a. rest hout	352	22	3	59	16	80
Kurk	32	2	2	9	6	9
IJslolly, vorkjes	77	86	59	2	145	19
Metaal						
kg's						
Olievaten				5	1	
Blikjes, drinken	534	44	212	111	188	166
Inpakfolie	61		33	81	96	10
Blikken voeding	3	4	26	1	1	1
flessendop	57	16	67	126	69	38



Some impressions (monitoring)





So this will be the past!





And this will be the future: drifting along the seashore.....

