YR

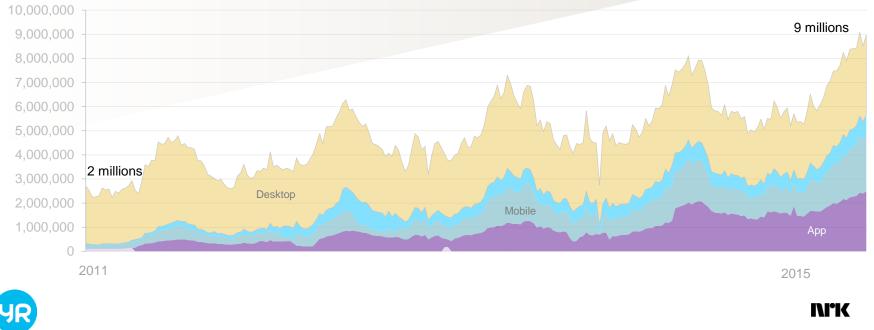
130 millimeter

How Users Drive Us Making the Complex Understandable

Nina Khalayli and Ingrid Støver Jensen, Norwegian Broadcast Corperation (NRK)

Fifth largest weather services in the world*

Yr users 2011 - 2015



^{*}alexa.com

Close cooperation is a success criterion!

YR

Responsibility design, presentation, the service on desktop, tablet and mobile. Journalistic content Norwegian Meteorological

Responsibility weather data, forecast quality

Working on a new version of Yr: How do we fit all the information in our desktop version into a smartphone?

Yr on desktop and mobile / app

YR				-		IL AND I	l (ыпк	<u>♀</u> ====
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User driven development





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MAIN SCENARIO: EVERYDAY LIFE







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OTHER SCENARIO'S: SPECIAL SITUATIONS



Coastal fisherman

Mountain guide, winter

Paraglider



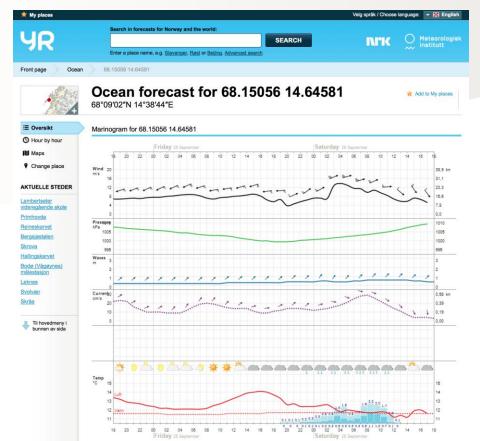


Event agency

Snow plough driver

Grain farmer





Wind

Pressure

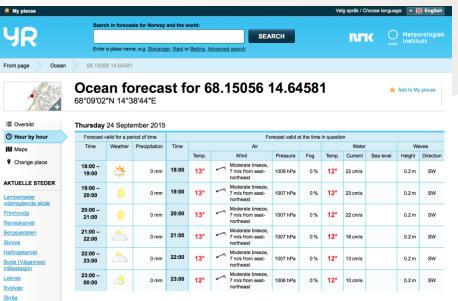
Currents

Air temp.

Water temp.

Percipation

Waves



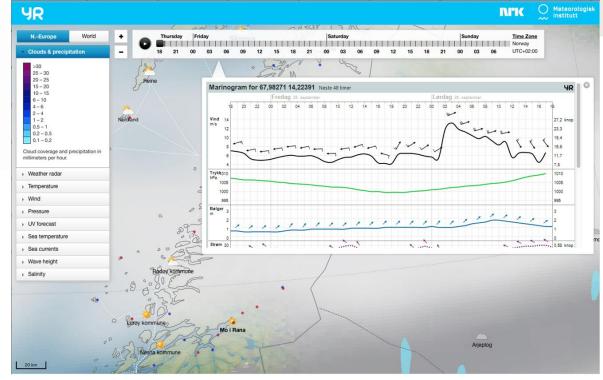
Friday 25 September 2015

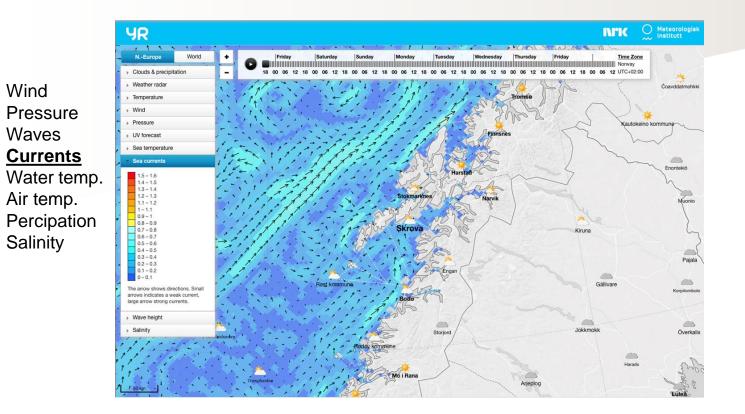
Til hovedmeny i bunnen av sida

Forecast valid for a period of time				Forecast valid at the time in question											
Time We	Weather	Precipitation	Time		Air			Water	Waves						
				Temp.	Wind	Pressure	Fog	Temp.	Current	Sea level	Height	Direction			
00:00 - 01:00		0 mm	00:00	12°	Moderate breeze, 8 m/s from east- northeast	1006 hPa	0%	12°	10 cm/s		0.2 m	sw			
01:00 - 02:00		0 mm	01:00	12°	Moderate breeze, 8 m/s from east- northeast	1006 hPa	0%	12°	10 cm/s		0.2 m	SW			
02:00 - 03:00		0 mm	02:00	12°	Fresh breeze, 8 m/s from east- northeast	1005 hPa	0%	12°	9 cm/s		0.2 m	sw			
03:00 - 04:00		0 mm	03:00	12°	Fresh breeze, 8 m/s from east- northeast	1005 hPa	0%	12°	9 cm/s		0.2 m	SW			
04:00 -					 Fresh breeze, 9 										

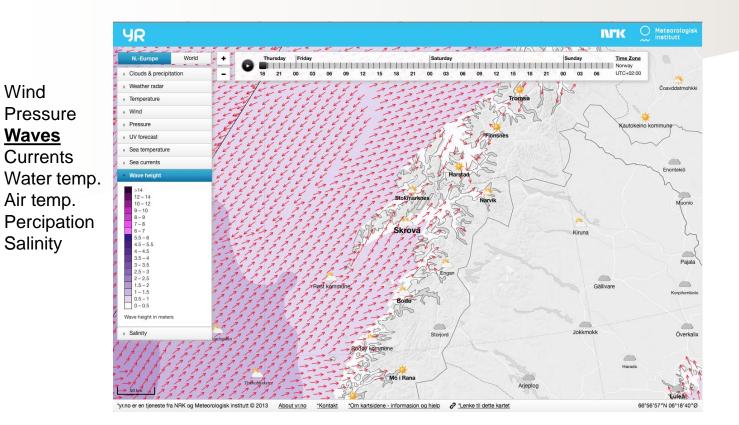
Wind Pressure Waves Currents Water temp. Air temp. Percipation

Wind Pressure Waves Currents Water temp. Air temp. Percipation

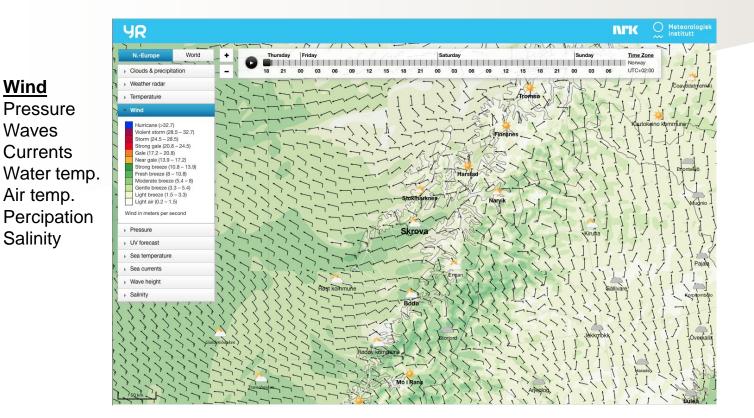




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Less use than expected...

Why?



Coastal fisherman



We traveled to Lofoten, Northern Norway to fine out



The most lethal occupation





"Northwest is OK, but northeastly storm is not, then «he» is strong"

Decision making, based on wind conditions

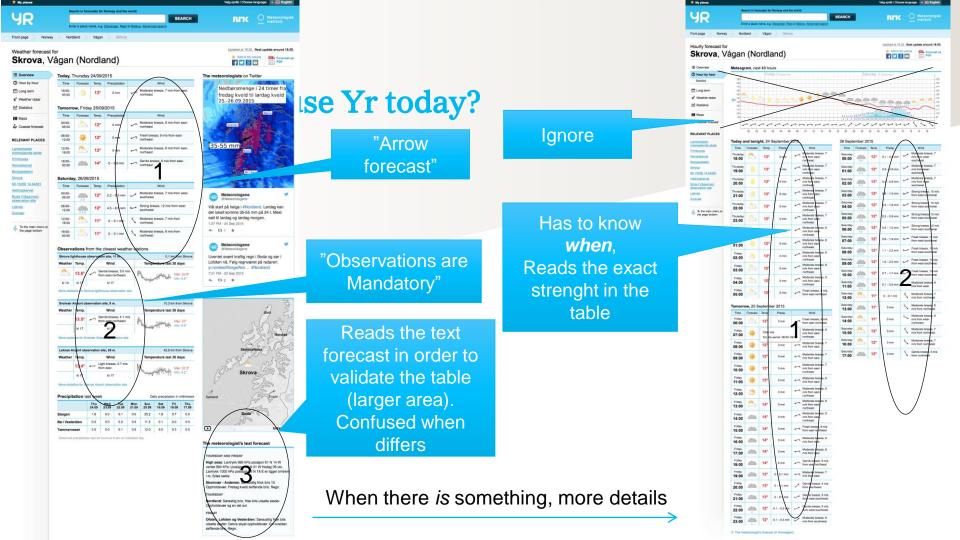
- Checking weather service (Yr) to know what's coming
- Time pressure!
 - Scan quickly to detect changes
 - Mobile
- Observations



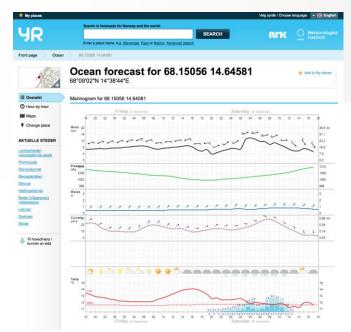
Consequences of stormy weather

- Death
- Injuries
- Lost equipment
- Miss the day's catch (£1.500 2.400)





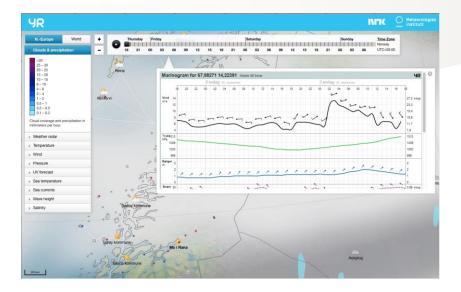
Reflections on... ... graph (meteo- or marinogram) versus table



	Sean	ch in foreca	sts for Norway	and the v	vorid:											
YR							SEA	RCH			nr	KC) Mete	orologis		
	Enter	a place nan	te, e.g. Stevand	nt. Rent o	Beiling (Advanced se	arsh									
Front page Ocean	68.1505	56 14.6458														
•	Ocea 68°09′02			st f	or 6	8.15	5056 ⁻	14.64	158	1			Add to M	ly places		
	Thursday	24 Septe	ember 2015													
O Hour by hour	Forecast	valid for a pe	ariod of time	Forecast valid at the time in question												
RI Maps	Time	Weather	Precipitation	Time	Air						Water		Waves			
Change place	18:00 - 19:00	*	0 mm	18:00	Temp.	- Mo 7 m	Wind derate breeze, t/s from east- theast	Pressure 1006 hPe	Fog 0%	Temp.	Current 22 cm/s	Sea level	Height 0.2 m	Direction		
AKTUELLE STEDER	19:00 - 20:00		0 mm	19:00	13°	- Mo 7 m	derate breeze, v/s from east- theast	1007 hPa	0%	12"	23 cm/s		0.2 m	sw		
Primhovda Reineskarvet	20:00 - 21:00		0 mm	20:00	13°	7 1	derate breeze, v/s from east- theast	1007 hPa	0%	12°	22 cm/s		0.2 m	sw		
Bergsjøstølen Skrova	21:00 - 22:00	2	0 mm	21:00	13°	- 70	derate breeze, t/s from east- theast	1007 hPa	0%	12°	16 cm/s		0.2 m	sw		
tallingskarvet lodø (Vågøynes) nå/estasjon	22:00 - 23:00	2	0 mm	22:00	13°	7 7 1	derate breeze, s/s from east- theast	1007 hPa	0%	12°	13 cm/s		0.2 m	sw		
Leknes Svolvær	23:00 - 00:00	4	0 mm	23:00	12°	7 7 1	derate breeze, t/s from east- theast	1006 hPa	0%	12°	10 cm/s		0.2 m	sw		
Skråa	Friday 25	Septemb	per 2015													
Til hovedmeny i	Forecast	Forecast valid for a period of time						Forecast valid at the time in question								
bunnen av sida	Time	Weather	Precipitation	Time			Air				Water			aves		
	00:00 - 01:00		0 mm	00:00	Temp.	- Mo 8 m	Wind derate breeze, vs from east-	Pressure 1006 hPa	Fog 0%	Temp.	Current 10 cm/s	Sea lovel	Height	Direction		
	01:00 - 02:00	0	0 mm	01:00	12°	- Mo 8 m	theast derate breeze, t/s from east- theast	1006 hPa	0%	12*	10 cm/s		0.2 m	sw		
	02:00 - 03:00	2	0 mm	02:00	12°	- Fre	sh breeze, 8 from east- theast	1005 hPa	0%	12°	9 cm/s		0.2 m	sw		
	03:00 - 04:00	2	0 mm	03:00	12°	Fre	sh breeze, 8 from east-	1005 hPa	0%	12°	9 cm/s		0.2m	SW		



Reflections on... ... maps



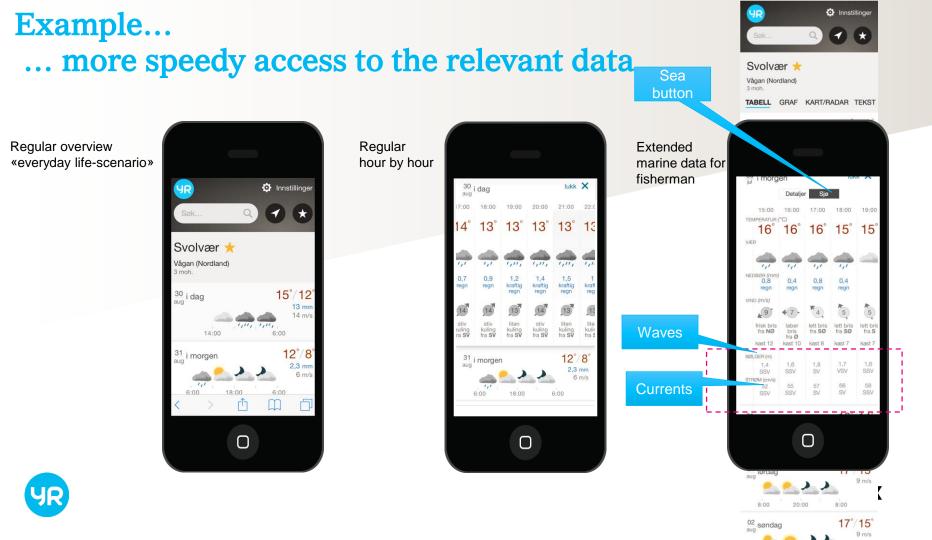




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Catch

- Enlightening!
- Too much information in maps, too timeconsuming
- Make some of the data more easily
 accessible



Courious?

We are happy if you would like to try new site under development!



Thank you!





Questions?

