



SESSION 10

VDS Management Module

First TUFMAN Training Workshop (TTW-1)
3-7 December 2012
SPC, Noumea, New Caledonia



Presentation outline



- What it does and doesn't do
- Allocations
- Distributions
- Days used
- VDS report
- VDS forecasting function

What it does



- Allows you to assign vessel days to companies, via agreements.
- Allows you to view the vessel days assigned to your country and how they have been distributed among companies
- Allows you to view the days used by agreement, company, and /or vessel
- Provides a number of flexible reports
- Uses processed VMS data, provided by SPC, for calculating days used

What it doesn't do



- Doesn't allow you to enter non-fishing days
- Doesn't use live VMS data
- Doesn't connect to the PNA system
- Doesn't manage days for gears other than purse seine

Allocations



- Allocations = total number of days fishing for your EEZ for a year
- Entry is very simple in TUFMAN

VDS		VDS Management	
Allocations	Year	<input type="text" value="2012"/>	
Usage	VDS allocation	Total number of days allocated to EEZ	Comments
Return to Main Menu		<input type="text" value="1000"/>	<input type="text"/>

Distributions



- Distributions= assigning 'allocated' days to companies/agreements
- Sum of distributions <= allocated days

VDS Management

Year: 2012

VDS allocation: Total number of days allocated to EEZ: 1000

VDS distribution:

Company	Agreement	Number of EEZ days	Comments
JP Company 25	FMO001	100	
CN Company 6	CHM005	150	
Total			250

Days Used



- Interactive screen for viewing days used and distributions

VDS Usage									
Forecasting method	Year	Company		Year	Company	Vessel	Produce Report	Apply filter	Reset Filter
None	2012	Agreement	Licensed	All	Month	Agreement			

- **Forecasting method** – For the year in progress you can have the system forecast usage to the end of the year. There are 2 forecasting methods:
 - Linear for the current year
 - Historical – Monthly trend
 - Note that the forecasts generally work better later in the year.
- **Year** – filters the data shown by year. Can be left blank to show all years.
- **Company** – filters the data for a specific company, or leave blank for all companies.
- **Agreement** – filters the data for a specific agreement, or leave blank for all agreements.
- **Licensed** – filters the data for data linked to a license, not linked to a license, or all.
- **Year checkbox** – If checked then the data shown will include a ‘year’ column
- **Month checkbox** – If checked then the data shown will include a ‘month’ column
- **Company checkbox** – If checked then the data will include a ‘company’ column
- **Agreement checkbox** – If checked then the data shown will include an ‘agreement’ column
- **Vessel checkbox** – If checked then the data will be shown by vessel
- **Cumulative** – For views by month, if checked then the monthly figures will keep adding to the previous month, i.e. it’s a running total for the year. If not checked then it displays the allocation/usage only for that month
- **Apply Filter** – Apply the selections above and refresh the display
- **Produce Report** – For monthly views only, will create an Excel file with a table and charts of the displayed data.

Days used – by year



VDS Usage								
Forecasting method None	Year 2012	Company [Dropdown]	Agreement [Dropdown]	Licensed All	Year <input checked="" type="checkbox"/>	Company <input checked="" type="checkbox"/>	Vessel <input type="checkbox"/>	
					Month <input type="checkbox"/>	Agreement <input type="checkbox"/>	Cumulative <input checked="" type="checkbox"/>	
					Produce Report		Apply filter	
							Reset Filter	
VDS usage summary by year								
Year	Company	Agreement	Vessel	VDS distribution	EEZ days	Balance		
▶ 2012	CN Company 3	ALL	ALL	50.0	46.0	4.0		
2012	FM Company 16	ALL	ALL	400.0	329.0	71.0		
2012	FM Company 29	ALL	ALL	70.0	41.0	29.0		
2012	FM Company 33	ALL	ALL	210.0	131.0	79.0		
2012	KR Company 53	ALL	ALL	6,000.0	4,879.0	1,121.0		
2012	No license	ALL	ALL	0.0	925.0	-925.0		
2012	PG Company 54	ALL	ALL	100.0	103.0	-3.0		
2012	PG Company 74	ALL	ALL	260.0	151.0	109.0		
2012	TW Company 67	ALL	ALL	1,380.0	1,003.0	377.0		
2012	TW Company 70	ALL	ALL	4,530.0	4,148.0	382.0		
				Totals	13,000.0	11,756.0	1,244.0	

Export to Excel

Days used – by month



Forecasting method None	Year 2012	Company [Dropdown]	Year <input checked="" type="checkbox"/>	Company <input checked="" type="checkbox"/>	Vessel <input type="checkbox"/>	Produce Report	Apply filter
		Agreement [Dropdown]	Month <input checked="" type="checkbox"/>	Agreement <input type="checkbox"/>	Cumulative <input checked="" type="checkbox"/>		

VDS usage summary by month																											
		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		Total	
Year	Agreement	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used
▶ 2012	ALL	4	34	8	46	13	46	17	46	21	46	25	46	29	46	33	46	38	46	42	46	46	46	50	46	50	46
2012	ALL	33	31	67	53	100	64	133	84	167	97	200	141	233	196	267	236	300	283	333	329	367	329	400	329	400	329
2012	ALL	6	20	12	41	18	41	23	41	29	41	35	41	41	41	47	41	53	41	58	41	64	41	70	41	70	41
2012	ALL	18	20	35	48	53	64	70	72	88	72	105	75	123	94	140	94	158	125	175	131	193	131	210	131	210	131
2012	ALL	500	542	1,000	974	1,500	1,425	2,000	1,865	2,500	2,347	3,000	2,945	3,500	3,428	4,000	3,931	4,500	4,390	5,000	4,879	5,500	4,879	6,000	4,879	6,000	4,879
2012	ALL	0	122	0	245	0	364	0	481	0	588	0	749	0	806	0	844	0	877	0	925	0	925	0	925	0	925
2012	ALL	8	22	17	40	25	67	33	73	42	103	50	103	58	103	67	103	75	103	83	103	92	103	100	103	100	103
2012	ALL	22	11	43	36	65	53	87	80	108	100	130	122	152	127	173	151	195	151	217	151	238	151	260	151	260	151
2012	ALL	115	97	230	189	345	300	460	363	575	437	690	522	805	626	920	764	1,035	879	1,150	1,003	1,265	1,003	1,380	1,003	1,380	1,003
2012	ALL	378	691	755	1,340	1,133	1,968	1,510	2,577	1,888	3,197	2,265	3,782	2,643	4,096	3,020	4,147	3,398	4,148	3,775	4,148	4,153	4,148	4,530	4,148	4,530	4,148
Totals		1,083	1,590	2,167	3,012	3,250	4,392	4,333	5,682	5,417	7,028	6,500	8,526	7,583	9,563	8,667	10,357	9,750	11,043	10,833	11,756	11,917	11,756	13,000	11,756	13,000	11,756

Days used – by vessel



Forecasting method None	Year 2012	Company [Dropdown]	Year <input checked="" type="checkbox"/>	Company <input checked="" type="checkbox"/>	Vessel <input checked="" type="checkbox"/>	Produce Report
		Agreement [Dropdown]	Month <input type="checkbox"/>	Agreement <input type="checkbox"/>	Cumulative <input checked="" type="checkbox"/>	

VDS usage summary by year						
Year	Company	Agreement	Vessel	VDS distribution	EEZ days	Balance
2012	CN Company 3	ALL	CN VESSEL 32775	0.0	46.0	0.0
2012	FM Company 16	ALL	FM VESSEL 22772	0.0	179.0	0.0
2012	FM Company 16	ALL	FM VESSEL 22780	0.0	150.0	0.0
2012	FM Company 29	ALL	SB VESSEL 33176	0.0	41.0	0.0
2012	FM Company 33	ALL	FM VESSEL 32590	0.0	131.0	0.0
2012	KR Company 53	ALL	KR VESSEL 16949	0.0	236.0	0.0
2012	KR Company 53	ALL	KR VESSEL 16956	0.0	194.0	0.0

Forecasting method None	Year 2012	Company [Dropdown]	Year <input checked="" type="checkbox"/>	Company <input checked="" type="checkbox"/>	Vessel <input checked="" type="checkbox"/>	Produce Report
		Agreement [Dropdown]	Month <input checked="" type="checkbox"/>	Agreement <input type="checkbox"/>	Cumulative <input checked="" type="checkbox"/>	

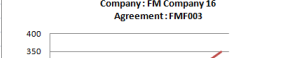
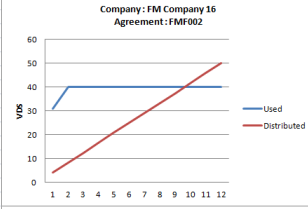
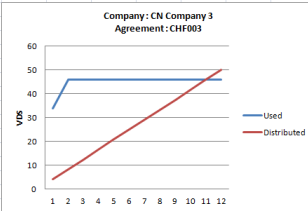
VDS usage summary by month															
Year	Agreement	Vessel	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2012	ALL	CN VESSEL 32775	34.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0
2012	ALL	FM VESSEL 22772	0.0	13.0	11.0	20.0	13.0	16.0	24.0	31.0	24.0	27.0	0.0	0.0	179.0
2012	ALL	FM VESSEL 22780	31.0	9.0	0.0	0.0	0.0	28.0	31.0	9.0	23.0	19.0	0.0	0.0	150.0
2012	ALL	SB VESSEL 33176	20.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0
2012	ALL	FM VESSEL 32590	20.0	28.0	16.0	8.0	0.0	3.0	19.0	0.0	31.0	6.0	0.0	0.0	131.0
2012	ALL	KR VESSEL 16949	21.0	6.0	19.0	27.0	24.0	28.0	28.0	28.0	26.0	29.0	0.0	0.0	236.0
2012	ALL	KR VESSEL 16956	20.0	8.0	0.0	4.0	27.0	29.0	29.0	30.0	28.0	19.0	0.0	0.0	194.0
2012	ALL	KR VESSEL 17491	28.0	11.0	0.0	30.0	28.0	26.0	22.0	30.0	28.0	26.0	0.0	0.0	229.0
2012	ALL	KR VESSEL 17715	0.0	0.0	23.0	20.0	4.0	28.0	26.0	2.0	0.0	5.0	0.0	0.0	108.0
2012	ALL	KR VESSEL 20099	29.0	24.0	7.0	13.0	18.0	16.0	11.0	29.0	29.0	0.0	0.0	0.0	176.0

The Report



- By Month only
- Excel file with table and charts, according to option selections
- No chart when results are by vessel

1	vds_year	company	agr_code	jan_alloc	jan_used	feb_alloc	feb_used	mar_alloc	mar_used	apr_alloc	apr_used	may_alloc	may_used	jun_alloc	jun_used	jul_alloc	jul_used	aug_alloc	aug_used	sep_alloc	sep_used	oct_alloc	oct_used	nov_alloc	nov_used	dec_alloc	dec_used	tot_alloc	tot_used
2	2012	CN Comp	CHF003	4.2	34	8.3	46	12.5	46	16.7	46	20.8	46	25	46	29.2	46	33.3	46	37.5	46	41.7	46	45.8	46	50	46	50	46
3	2012	FM Comp	FMF002	4.2	31	8.3	40	12.5	40	16.7	40	20.8	40	25	40	29.2	40	33.3	40	37.5	40	41.7	40	45.8	40	50	40	50	40
4	2012	FM Comp	FMF003	29.2	0	58.3	13	87.5	24	116.7	44	145.8	57	175	101	204.2	156	233.3	196	262.5	243	291.7	289	320.8	289	350	289	350	289
5	2012	FM Comp	FMS005	5.8	20	11.7	41	17.5	41	23.3	41	29.2	41	35	41	40.8	41	46.7	41	52.5	41	58.3	41	64.2	41	70	41	70	41
6	2012	FM Comp	FMF003	0.8	8	1.7	8	2.5	8	3.3	8	4.2	8	5	8	5.8	8	6.7	8	7.5	8	8.3	8	9.2	8	10	8	10	8
7	2012	FM Comp	FMF004	16.7	12	33.3	40	50	56	66.7	64	83.3	64	100	67	116.7	86	133.3	86	150	117	166.7	123	183.3	123	200	123	200	123
8	2012	KR Comp	KRT008	500	542	1000	974	1500	1425	2000	1865	2500	2347	3000	2945	3500	3428	4000	3931	4500	4390	5000	4879	5500	4879	6000	4879	6000	4879
9	2012	No license		0	122	0	245	0	364	0	481	0	588	0	749	0	806	0	844	0	877	0	925	0	925	0	925	0	925
10	2012	PG Comp	NLA001	8.3	22	16.7	40	25	67	33.3	73	41.7	103	50	103	58.3	103	66.7	103	75	103	83.3	103	91.7	103	100	103	100	103
11	2012	PG Comp	VUF001	8.3	11	16.7	36	25	37	33.3	37	41.7	37	50	37	58.3	37	66.7	37	75	37	83.3	37	91.7	37	100	37	100	37
12	2012	PG Comp	VUF002	13.3	0	26.7	0	40	16	53.3	43	66.7	63	80	85	93.3	90	106.7	114	120	114	133.3	114	146.7	114	160	114	160	114
13	2012	TW Comp	TWJ003	52.5	97	105	189	157.5	300	210	363	262.5	437	315	522	367.5	622	420	627	472.5	627	525	627	577.5	627	630	627	630	627
14	2012	TW Comp	TWJ004	62.5	0	125	0	187.5	0	250	0	312.5	0	375	0	437.5	4	500	137	562.5	252	625	376	687.5	376	750	376	750	376
15	2012	TW Comp	TWJ008	2.5	0	5	0	7.5	0	10	11	12.5	31	15	31	37.5	31	20	31	22.5	31	25	31	27.5	31	30	31	30	31
16	2012	TW Comp	TWJ009	375	691	750	1340	1125	1968	1500	2566	1875	3166	2250	3751	2625	4065	3000	4116	3375	4117	3750	4117	4125	4117	4500	4117	4500	4117
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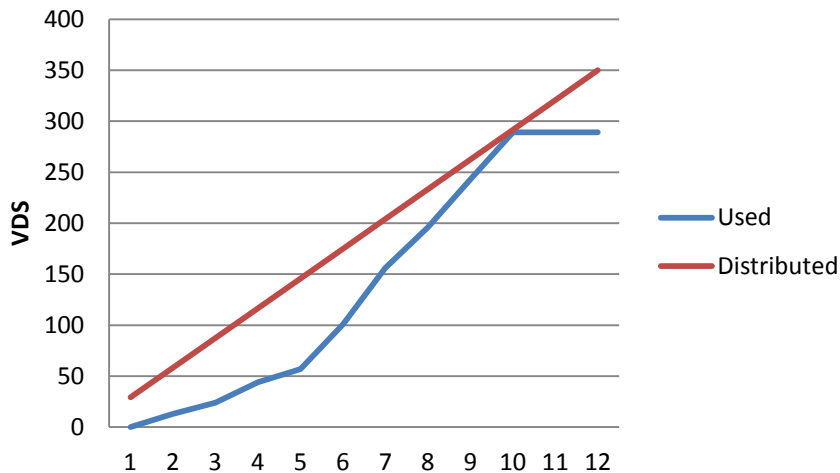


The report charts

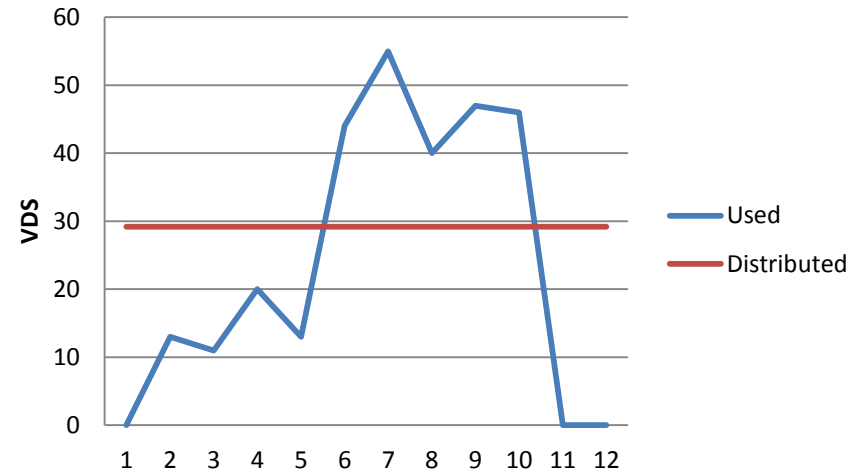


- Charts show days distributed and used by month
- Examples of cumulative and not cumulative charts for the same agreement.

Company : FM Company 16
Agreement : FMF003



Company : FM Company 16
Agreement : FMF003



Forecasting



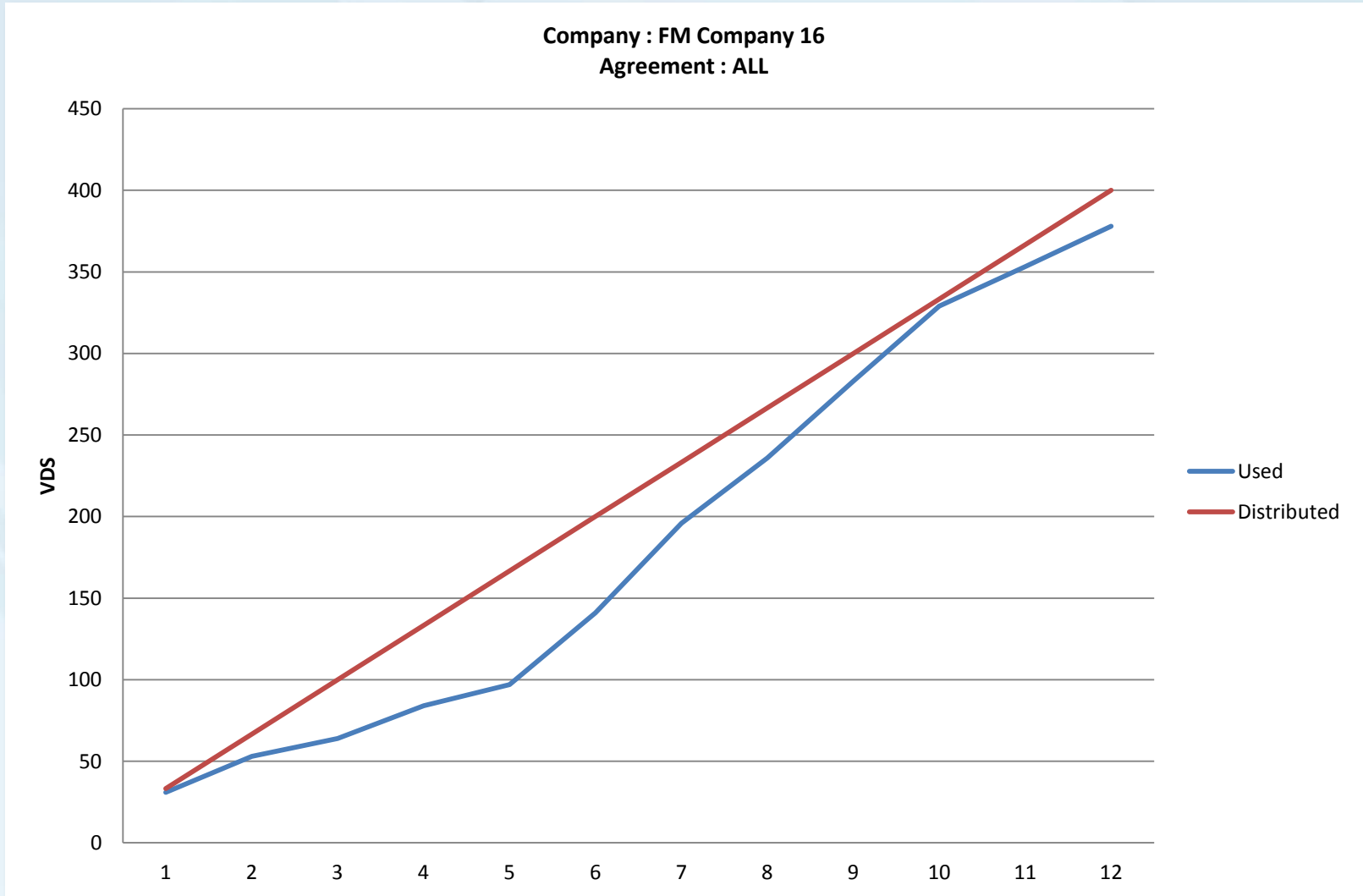
- Estimate usage to the end of the year
- Method – ‘Current year – Linear’
 - Linear trend for year to date, projected to end of year
- Forecasted values shown in green

Forecasting method Current Year - Linear	Year 2012	Company [Dropdown]	Agreement [Dropdown]	Licensed All	Year <input checked="" type="checkbox"/>	Company <input checked="" type="checkbox"/>	Vessel <input type="checkbox"/>	Produce Report	Apply filter
					Month <input checked="" type="checkbox"/>	Agreement <input type="checkbox"/>	Cumulative <input type="checkbox"/>		Reset Filter

VDS forecasting summary by month

Year	Company	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		Total	
		dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used	dist	used
2012	CN Company 3	4	34	4	12	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	50	46
2012	FM Company 16	33	31	33	22	33	11	33	20	33	13	33	44	33	55	33	40	33	47	33	46	33	24	33	25	400	378
2012	FM Company 29	6	20	6	21	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	70	41
2012	FM Company 33	18	20	18	28	18	16	18	8	18	0	18	3	18	19	18	0	18	31	18	6	18	6	18	5	210	143
2012	KR Company 53	500	542	500	432	500	451	500	440	500	482	500	598	500	483	500	503	500	459	500	489	500	45	500	40	6,000	4,964
2012	No license	0	122	0	123	0	119	0	117	0	107	0	161	0	57	0	38	0	33	0	48	0	0	0	0	0	925
2012	PG Company 54	8	22	8	18	8	27	8	6	8	30	8	0	8	0	8	0	8	0	8	0	8	0	8	0	100	103
2012	PG Company 74	22	11	22	25	22	17	22	27	22	20	22	22	22	5	22	24	22	0	22	0	22	4	22	3	260	158
2012	TW Company 67	115	97	115	92	115	111	115	63	115	74	115	85	115	104	115	138	115	115	115	124	115	33	115	33	1,380	1,069
2012	TW Company 70	378	691	378	649	378	628	378	609	378	620	378	585	378	314	378	51	378	1	378	0	378	0	378	0	4,530	4,148

Forecasting - chart





END