

UP Department of Science and Technology - Innovation Research Fieldwork Report

Background of the survey:

This survey is part of a nine-country study on the determinants of innovation at the level of firms.

More particularly, on the characteristics of the firm as well as on the innovative activities.

The aim of this survey is to provide evidence-based policy making on innovation and productivity issues so that firms in South Africa (as a developing country) will profit from better innovation policy and institutions



Project Timelines:

Original timelines as set-out in the negotiation stage

Week ending ---->	14-03-15	14-03-22	14-03-29	14-04-05	14-04-12	14-04-19	14-04-26	14-05-03	14-05-10	14-05-17	14-05-24	14-05-31	14-06-07
Acceptance of proposal		✓											
Project meeting with project team		✓											
Questionnaire design		✓											
Training of interviewers			✓	✓									
Pilot interviews			✓										
Pilot review, relook, changes, evaluation				✓									
Actual fieldwork					✓	✓	✓	✓					
Data file preparation, scanning, coding and proof-reading									✓	✓			
Data analysis											✓		
Presentation of results- delivery of clean data file											✓	✓	

Project Timelines: Continue

Agreed timelines when initial fieldwork started

Week ending ----->	14-03-15	14-03-22	14-03-29	14-04-05	14-04-12	14-04-19	14-04-26	14-05-03	14-05-10	14-05-17	14-05-24	14-06-16	14-06-23	14-06-30	14-07-07	14-07-14	14-07-21	14-07-28	14-08-04	14-08-11	14-08-18
Acceptance of proposal		✓																			
Project meeting with project team		✓																			
Questionnaire design		✓																			
Training of interviewers			✓	✓																	
Pilot interviews				✓	✓	✓															
Pilot review, relook, changes, evaluation							✓	✓	✓												
Pilot interviews										✓	✓										
Pilot review, relook, changes, evaluation												✓									
Questionnaire sign-off from UP Ethics Department												✓									
Re-briefing of Interviewers by the Supervisors													✓								
Setting of Appointments														✓	✓	✓	✓				
Actual fieldwork															✓	✓	✓	✓			
Data file preparation, scanning, coding and proof-reading																✓	✓	✓	✓		
Data analysis																					✓
Presentation of results- delivery of clean data file																					✓

Project Timelines: Continue

Actual realized Timelines

Week beginning ---->	14-03-22	14-03-29	14-04-05	14-04-12	14-04-19	14-04-26	14-05-03	14-05-10	14-05-17	14-05-24	14-06-16	14-06-23	14-06-30	14-07-07	14-07-14	14-07-21	14-07-28	14-08-04	14-08-11	14-08-18	14-08-25	14-09-01	14-09-08	14-09-15
Acceptance of proposal	✓																							
Project meeting with project team	✓																							
Questionnaire design	✓																							
Training of interviewers		✓	✓																					
Pilot interviews			✓	✓	✓																			
Pilot review, relook, changes, evaluation						✓	✓	✓																
Pilot interviews									✓	✓														
Pilot review, relook, changes, evaluation											✓													
Questionnaire sign-off from UP Ethics Department											✓													
Re-briefing of Interviewers by the Supervisors												✓												
Setting of Appointments													✓	✓				✓	✓	✓				
Actual fieldwork														✓				✓	✓	✓	✓	✓		
Strikes in the Metal & Steel Industry															✓	✓	✓							
Data file preparation, scanning, coding and proof-reading																		✓	✓	✓	✓	✓		
Data analysis																							✓	✓
Presentation of results- delivery of clean data file																								✓

Sample requirements

Sample was based on the population of companies received from the list provider

Population

TERRITORY	SECTORS	Very Small (1 - 20)	Small (21 - 50)	Medium (51 - 200)	Large (201+)	TOTAL PER SECTOR
PE	Automotive	66	29	24	13	132
	Chemicals	7	16	5	16	44
	Defence	3	4	0	2	9
	Food Production	10	29	27	15	81
	Pharmaceutical	4	0	0	0	4
	Textile	15	18	3	1	37
	TOTALS		105	96	59	47
EL	Automotive	3	8	6	18	35
	Chemicals	0	3	5	6	14
	Defence	0	3	0	0	3
	Food Production	12	16	24	13	65
	Pharmaceutical	1	0	0	0	1
	Textile	9	6	3	7	25
TOTALS		25	36	38	44	143
JHB	Automotive	160	221	132	110	623
	Chemicals	126	213	150	156	645
	Defence	20	74	84	81	259
	Food Production	223	214	133	134	704
	Pharmaceutical	49	62	37	25	173
	Textile	33	90	54	64	241
TOTALS		611	874	590	570	2645
PTA	Automotive	72	44	20	29	165
	Chemicals	4	32	12	26	74
	Defence	25	6	6	4	41
	Food Production	38	34	28	34	134
	Pharmaceutical	3	19	7	6	35
	Textile	7	8	13	19	47
TOTALS		149	143	86	118	496
Kwazulu-Natal	Automotive	68	51	48	37	204
	Chemicals	28	84	76	79	267
	Defence	0	17	7	9	33
	Food Production	58	82	55	70	265
	Pharmaceutical	5	7	12	2	26
	Textile	100	130	76	64	370
TOTALS		259	371	274	261	1165
Western Cape	Automotive	49	57	32	32	170
	Chemicals	15	50	41	77	183
	Defence	10	6	13	25	54
	Food Production	157	226	161	159	703
	Pharmaceutical	8	14	7	2	31
	Textile	126	98	48	33	305
TOTALS		365	451	302	328	1446

Sample

TERRITORY	SECTORS	Very Small (1 - 20)	Small (21 - 50)	Medium (51 - 200)	Large (201+)	TOTAL PER SECTOR
PE	Automotive	2	3	2	0	7
	Chemicals	0	2	0	1	3
	Defence	0	0	0	0	0
	Food Production	1	3	1	0	5
	Pharmaceutical	0	0	0	0	0
	Textile	1	1	0	0	2
	TOTALS		4	9	3	1
EL	Automotive	0	1	0	1	2
	Chemicals	0	0	0	0	0
	Defence	0	0	0	0	0
	Food Production	2	5	2	0	9
	Pharmaceutical	0	0	0	0	0
	Textile	1	1	0	0	2
TOTALS		3	7	2	1	13
JHB	Automotive	12	30	5	2	49
	Chemicals	11	20	5	1	37
	Defence	1	6	4	1	12
	Food Production	12	30	5	2	49
	Pharmaceutical	2	5	4	1	12
	Textile	2	8	5	2	17
TOTALS		40	99	28	9	176
PTA	Automotive	7	7	3	2	19
	Chemicals	0	5	1	1	7
	Defence	4	1	0	0	5
	Food Production	4	6	4	2	16
	Pharmaceutical	0	5	1	0	6
	Textile	2	1	3	1	7
TOTALS		17	25	12	6	60
Kwazulu-Natal	Automotive	2	5	2	1	10
	Chemicals	1	5	2	1	9
	Defence	0	1	0	0	1
	Food Production	5	8	3	1	17
	Pharmaceutical	0	1	2	0	3
	Textile	9	17	3	1	30
TOTALS		17	37	12	4	70
Western Cape	Automotive	5	6	2	2	15
	Chemicals	1	6	2	2	11
	Defence	1	1	2	1	5
	Food Production	17	44	18	3	82
	Pharmaceutical	0	2	1	0	3
	Textile	16	28	3	2	49
TOTALS		40	87	28	10	165

Sample requirements cont.

Sample Required

TERRITORY	SECTORS	Very Small (1 - 20)	Small (21 - 50)	Medium (51 - 200)	Large (201+)	TOTAL PER SECTOR
PE	Automotive	2	3	2	0	7
	Chemicals	0	2	0	1	3
	Defence	0	0	0	0	0
	Food Production	1	3	1	0	5
	Pharmaceutical	0	0	0	0	0
	Textile	1	1	0	0	2
	TOTALS	4	9	3	1	17
EL	Automotive	0	1	0	1	2
	Chemicals	0	0	0	0	0
	Defence	0	0	0	0	0
	Food Production	2	5	2	0	9
	Pharmaceutical	0	0	0	0	0
	Textile	1	1	0	0	2
	TOTALS	3	7	2	1	13
JHB	Automotive	12	30	5	2	49
	Chemicals	11	20	5	1	37
	Defence	1	6	4	1	12
	Food Production	12	30	5	2	49
	Pharmaceutical	2	5	4	1	12
	Textile	2	8	5	2	17
	TOTALS	40	99	28	9	176
PTA	Automotive	7	7	3	2	19
	Chemicals	0	5	1	1	7
	Defence	4	1	0	0	5
	Food Production	4	6	4	2	16
	Pharmaceutical	0	5	1	0	6
	Textile	2	1	3	1	7
	TOTALS	17	25	12	6	60
Kwazulu-Natal	Automotive	2	5	2	1	10
	Chemicals	1	5	2	1	9
	Defence	0	1	0	0	1
	Food Production	5	8	3	1	17
	Pharmaceutical	0	1	2	0	3
	Textile	9	17	3	1	30
	TOTALS	17	37	12	4	70
Western Cape	Automotive	5	6	2	2	15
	Chemicals	1	6	2	2	11
	Defence	1	1	2	1	5
	Food Production	17	44	18	3	82
	Pharmaceutical	0	2	1	0	3
	Textile	16	28	3	2	49
	TOTALS	40	87	28	10	165

Sample Completed

TERRITORY	SECTORS	Very Small (1 - 20)	Small (21 - 50)	Medium (51 - 200)	Large (201+)	TOTAL PER SECTOR
PE	Automotive	0	1	0	0	1
	Chemicals	0	0	0	0	0
	Defence	0	0	0	0	0
	Food Production	6	1	0	0	7
	Pharmaceutical	0	0	0	0	0
	Textile	3	0	0	0	3
	TOTALS	9	2	0	0	11
EL	Automotive	0	1	0	0	1
	Chemicals	0	0	0	0	0
	Defence	0	0	0	0	0
	Food Production	2	0	0	0	2
	Pharmaceutical	0	0	0	0	0
	Textile	1	0	0	0	1
	TOTALS	3	1	0	0	4
JHB	Automotive	12	24	7	3	46
	Chemicals	12	14	4	1	31
	Defence	0	8	4	0	12
	Food Production	12	27	7	4	50
	Pharmaceutical	2	4	2	0	8
	Textile	3	9	5	2	19
	TOTALS	41	86	29	10	166
PTA	Automotive	5	8	5	1	19
	Chemicals	1	3	2	0	6
	Defence	4	1	0	0	5
	Food Production	5	7	4	2	18
	Pharmaceutical	2	2	2	0	6
	Textile	4	4	3	0	11
	TOTALS	21	25	16	3	65
Kwazulu-Natal	Automotive	2	6	1	1	10
	Chemicals	1	3	1	1	6
	Defence	0	1	0	0	1
	Food Production	5	8	1	1	15
	Pharmaceutical	0	2	0	0	2
	Textile	9	14	1	0	24
	TOTALS	17	34	4	3	58
Western Cape	Automotive	8	9	2	3	22
	Chemicals	4	10	2	2	18
	Defence	2	1	2	1	6
	Food Production	17	44	18	5	84
	Pharmaceutical	0	2	1	0	3
	Textile	16	30	12	2	60
	TOTALS	47	96	37	13	193

Sample requirements cont.

Populations is representative of the Manufacturing population of South Africa
Sample allocation based on the percentage per Region & SIC Classification

Sample realization therefore is representative of the Manufacturing Companies in South Africa

Fieldwork Process

- Training was done in all Regions face-to-face during the weeks 29th of March 2014 to the 5th of April 2014
- First Pilots was done during the weeks 5th April 2014 to the 19th of April 2014
- First Pilot review, relook, changes, evaluations was done during the weeks of 26th of April 2014 to the 10th of May 2014
- Second Pilots was done during the weeks of 17th of May 2014 to the 24th of May 2014
- Second Pilot review, relook, changes, evaluations was done during the week of 16th of June 2014
- Questionnaire sign-off from UP Ethics Department was done during the week of the 16th of June 2014
- Re-briefing of interviewers based on the Pilot feedback was done during the week of the 23rd of June 2014
- Fieldwork was done during the weeks of 7th of July 2014 to the 1st of September 2014
- Data file preparation, scanning, coding, spellchecking was done during the weeks of 11th of August 2014 to the 1st of September 2014
- Data file cleaning and cross tabulation analysis was done during the weeks of 8th of September 2014 to the 15th of September

Fieldwork challenges

- Companies were very sceptical to divulge their financials to us, but we managed to get most of the required data due to the confidentiality letter from the University.
- The availability of the respondents were also very limited.
- The manufacturing industry strike seriously impacted on our timing as we could not interview many of the sectors for a minimum of 3-4 weeks. We were requested to stay out of the areas for our own safety.
- The lists proved from the list broker was quite unhelpful and we moved off of them quite early on in order to self recruit , we also established that some of the respondents were not of the size business we were looking for.
- We eventually started cold calling respondents as our refusal rate was high due to the backlog of work after the strikes . We seemed to get quite a good response from cold calling as we were there and in person, which made respondents feel a bit more relaxed.
- We had to tell the respondents the type of info we were requiring, as they had to look up certain info, which put them off a bit as some of the information was rather sensitive . i.e.:
Turnover
- We have completed 506 interviews, during the quality control process 9 interviews was discarded due to duplication of companies.
- We have 497 interviews on the data file.
- Companies were very weary to do the interviews due to the uncertainty that was experienced during the unstable work conditions and environment that was influenced by the strikes

Interviewer Quality

Interviewer	Qnre done	Check backs done	Interviewer score	Interviewer	Qnre done	Check backs done	Interviewer score
Anna Du Toit	7	2	95.00	Leonora Tressidor	32	9	84.44
Annamarie van Graan	7	4	86.00	Liandra Meyer	3	1	80.00
Barbara Pick	21	8	77.14	Linda Hartzer	23	5	82.00
Brenda Hudges	15	5	86.00	Lumka Qunta	56	8	87.50
Clive Henning	3	1	70.00	Mariam Hanif	11	4	97.50
Comien Jordaan	10	4	73.50	Mzuyanda Fundani	41	6	85.00
Desree Subramoney	8	2	100.00	Noelene Ikin	4	1	70.00
Elaine De Jager	6	2	85.00	Nomathandazo Adonisi	33	7	82.86
Gert Kotze	1	1	100.00	Rachel Sokana	20	5	71.00
Gloria Ngcongo	18	3	96.67	Reginald Maringa	3	1	80.00
Hannerie van Tonder	39	8	87.00	Renee Stander	2	1	80.00
Helena Nel	8	1	80.00	Riaan Behr	8	1	90.00
Jane West	18	4	85.00	Talitha Carney	33	8	88.75
Kittie de hart	23	7	82.86	Thabisa Mthomde	28	8	80.80
				Zandra Coetzee	16	4	70.00

SAMRA requirement is 10% check backs, we did 24%

