

HYBRID SURVEY 2011 - 2013

Intermediate report

1. Activities achieved in 2011
 2. Planning 2012 2013
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1. Activities achieved in 2011

1. Sampling strategy

According to the methodology, the sample size of 1200 households will provide consistent outputs in order to compare urban and rural area in Vanuatu. The sample is stratified per province and area (urban and rural).

- **Rural area:** 2 stages selection, 1st stage selection of EA (Enumeration Area) with a probability proportional of the size, 2nd stage, selection of households in the EA with the same probability of selection. The strates in rural area are classified as follow:

- nearby rural: EA located closed to the urban area or closed to the administrative center of the province (in some cases rural)
- far rural: EA on the same island of the administrative center of the province, but far away (expensive to survey in terms of per diem to pay to enumerators)
- outer island: EA located in the same province but on a different island from the administrative center of the province

- **Urban area** 2 strates

- Peri urban: 2 stages selection (like in rural)
- Urban: 1 stage selection (households are selected straight from the household listing), afterwards, households are clustered into groups according to their location in the urban area. This 1 stage selection will provide more accuracy estimation for the urban area.

The sampling is based on the last census in Vanuatu conducted in 2010. Annexe 1 shows all the details of the sample.

2. Questionnaire design

The questionnaire of the hybrid survey has multi purposes:

- Focus on the lack of indicators related to household living standard. The Statistics for Development Programme in collaboration with the regional stakeholders has created a list of indicators (National Minimum Development Indicators) across key sectors in order to track sectoral development (most of them are collected in different modules, at an household level or individual level)
- Provide a good assessment of poverty in Vanuatu, including the consumption and expenditure component, (collected in a 1 week diary – field work spread on a 12 months period)

- Test a new methodology of survey based on a modular questionnaire address to the selected households in a one week period, more generally, this survey represents an opportunity to test new methodologies of collection based on a high level of supervision (data entry in the field, field staff organised in small teams led by 1 supervisor, monitoring of field work with GPS, indicators of quality of information collected....(supervision of survey in the region has always been an issue).
- ⇒ The questionnaire has been tested last September, with a sample of 40 households, from this pilot few adjustments were achieved, and a translation into Bislama, the national language of Vanuatu was decided. This is the main conclusion of the pilot test, we have noticed that enumerators:
 - conduct all the interview in Bislama, and has to make an effort to translate each question from English to Bislama,
 - miss understand sometimes the meaning of the original question,
 - can be francophone in certain provinces, which will complicate their understanding of the questionnaire,
- ⇒ The questionnaire has been modified according to different feedback from different experts, especially from the World Bank

3. Fieldwork planning / data entry / data management

The fieldwork will be organised provincially, meaning that each province:

- has a specific agenda of survey in different location of EAs of the province according to the sample
 - is in charge of his own data entry and data cleaning
 - is in charge of his own supervision
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- Vanuatu National Statistics Office (VNSO) has just recruited provincial officer based in the administrative center of each province. In addition to their usual task (price collection, informal sector survey...) they will be in charge of 2 enumerators, their supervision and the data entry of their questionnaires.
 - Every month data will be sent to the social section of VNSO, in charge of the survey at a national level. They will centralised the data and provide feedback to the field staff based on indicators of the quality of the collection (number of expenditures in the diary day by day, number of sick householders, household size....), global monitoring of fieldwork.
 - Information will be entered during their collection, this modular questionnaire allow us to enter each modules separately after each visit. Data entry system will provide a feedback on the entry of each module with an assessment of the quality of the information collected,
 - Data entry system become a supervisor, the integration of multiple checks in one module or between the module (cross checks).
 - Supervisor has to share their time between field checks and data entry

4. Development of survey materials

- Maps of area to survey (cf annexe2)

According to the selected EA and group of EA in urban area, more than 130 maps are ready, these maps present clearly the location of the selected households within the EA and the location of the replacement households (listB) in case of the selected households (listA) for any reason are not available to participate.

- Field work manual

English and French version, develops all the modules of the questionnaire in details and reminds the duty of field workers at each visit.

- Data entry system

Based on a CSPro application, the data entry system follows strictly the questionnaire flow and allows an easy navigation in the modules or in between the modules. Moreover, it provides feedback of the quality (inconsistencies, missing information...) at the end of each module entered.

5. Recruitment

- Statistical provincial officer will be used as provincial supervisor, no need to advertise these positions, except for Shefa province, where the national statistic office is based, the supervisor there will be the coordinator of the survey at a national level, reason why there is a need of 2 staff (2 teams based in this province). VNSO is currently doing some advertisement in the province of Shefa for 2 supervisors' position and 6 enumerators. In other provinces, the local officer will be in charge of the recruitment of his staff, and position has been already advertised.
- The recruitment is a crucial part of the survey, and the advertisement of the position is very clear on the availability of enumerators and their sense of communication. The main selection priority is the enumerator does not have any family (relative to look after) or job constraints (plantations, seasonal tasks....).
- The recruitment procedure will be achieved by December 2011.

6. Delay from the original plan

Due to different reason, the original plan has been modified and delayed

- The pool of enumerators VNSO (Vanuatu National Statistics Office) was already committed to other survey in 2011,
- The initial plan has changed a lot, with the integration of the consumption based on a 1 week diary (sample spread over 12 months)
- The translation of the questionnaire into Bislama was decided in October 2011, after the September pilot.

2. Planning 2012 2013

1. Field staff training (16th to 27th of January 2012 and 13th to 24th of February 2012)

According to our schedule, training of field staff will happen in 2 sessions of 2 weeks each, early 2012 (cf planning annexe 3). The first session will group 3 teams, 2 Shefa teams, the main province of Vanuatu, and the Tafea team (South province). The second session planned mid February will group all the teams from north provinces (Sanma, Penama, Malampa and Torba). This schedule of training allows training smaller groups of field workers for a better quality.

All staff will be trained on data entry system, supervision and use of GPS.

2. Field work (30th of January 2012 to 17th January 2013)

Straight after the training, each team starts on the field in their respective province, following their agenda (cf annexe4)

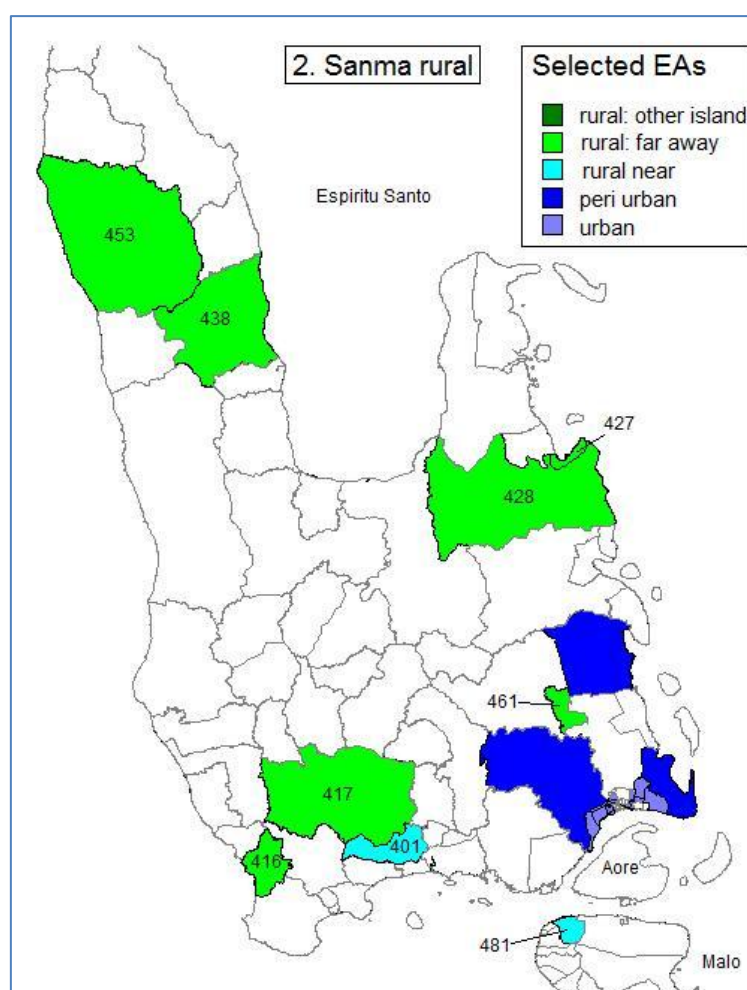
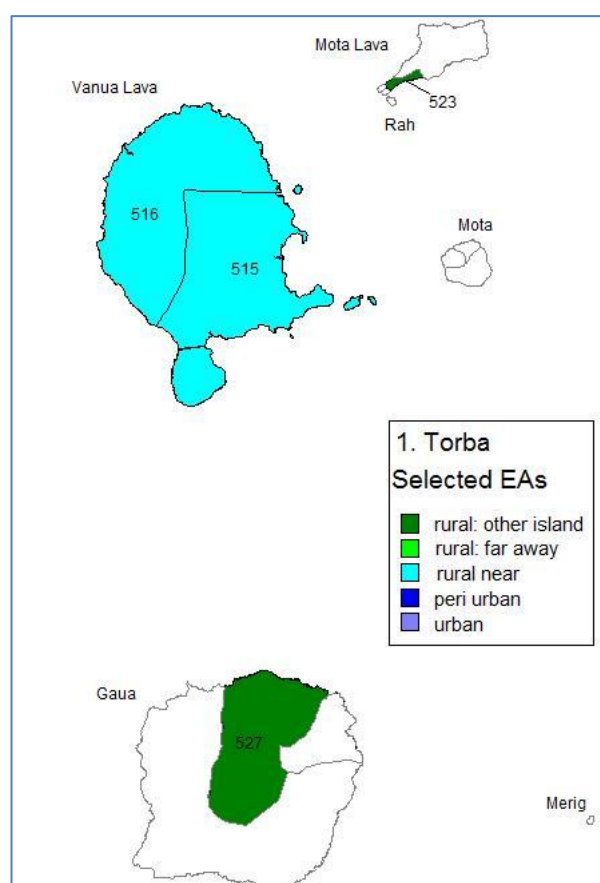
Annexe 1

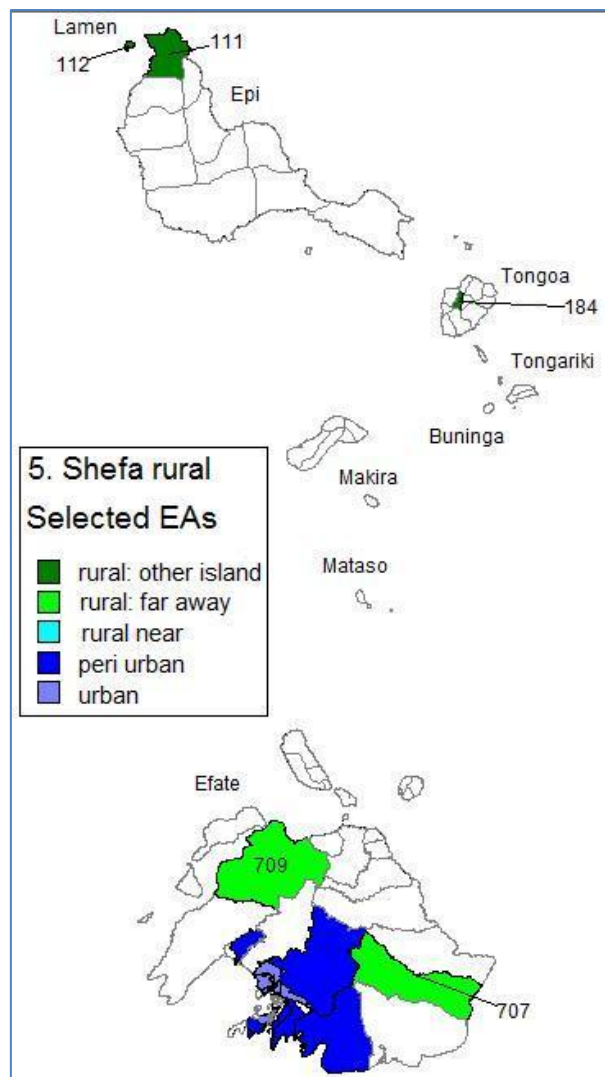
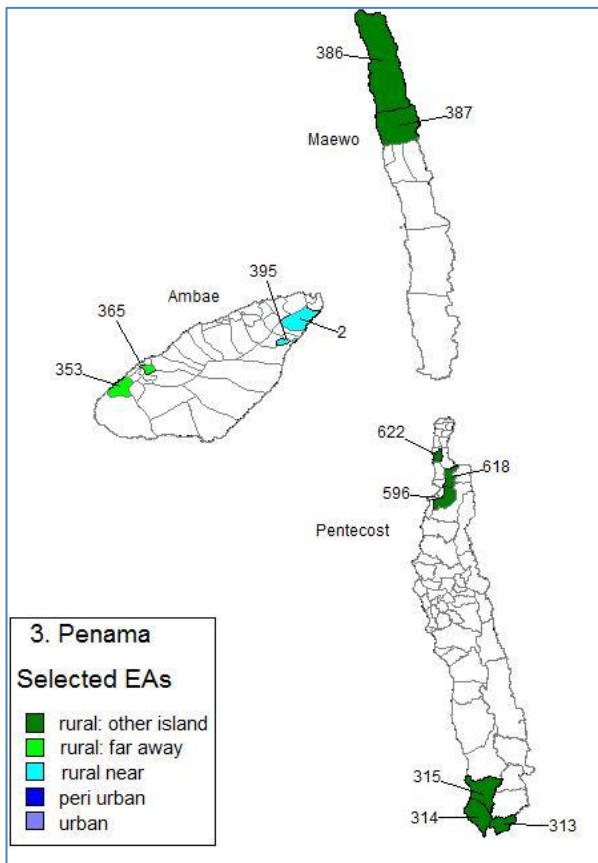
Number of households to survey per strates

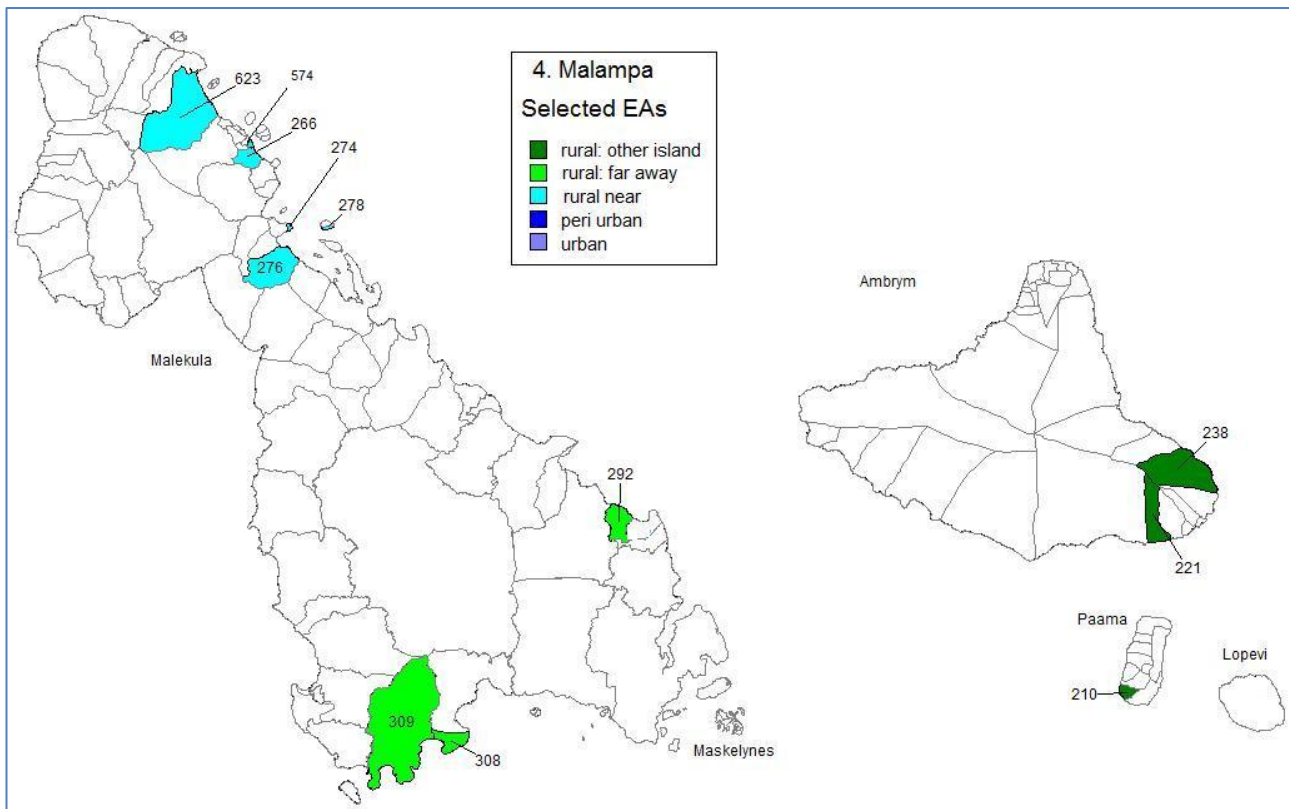
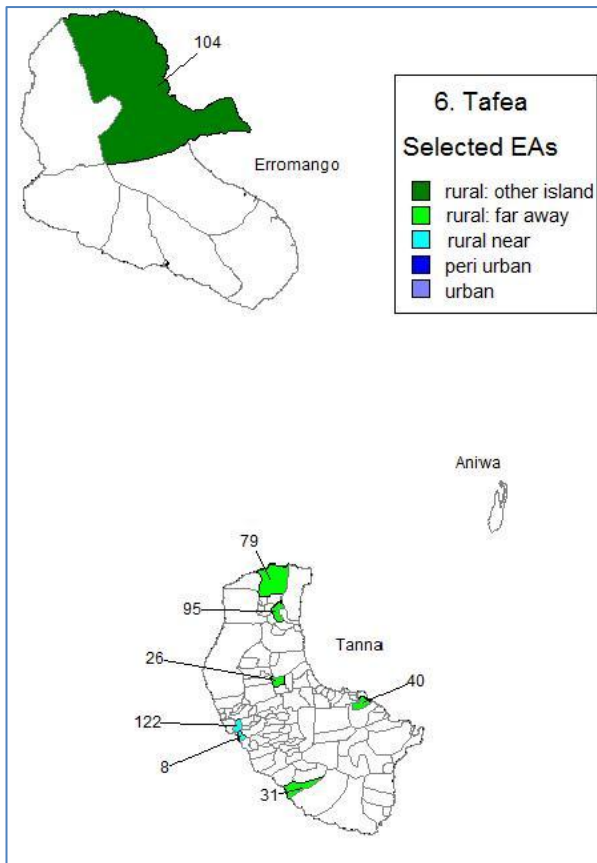
	Urban		Rural			Total
	Urban	Peri urban	Nearby rural	Far rural	Other island	
1. Torba	0	0	24	0	24	48
2. Sanma	96	36	24	84	0	240
3. Penama	0	0	24	24	96	144
4. Malampa	0	0	72	36	36	144
5. Shefa	348	120	0	24	36	528
6. Tafea	0	0	24	60	12	96
Total	444	156	168	228	204	1200
	600		600			

Annexe 2

Maps of selected EAs in the sample per province







ANNEXE 3

Agenda of the 2 weeks training

	WEEK 1				
	day1	day2	day3	day4	day5
part1	- general introduction welcoming word - Presentation of participants - Presentation of trainers - Presentation of VNSO	- feedback on practical module1	- presentation of module3	- presentation of module4	- presentation of module5
break					
part2	- introduction to survey - introduction to Hybrid survey (why? How?...) - duties and behaviour of field staff	- presentation of module2	- practical exercise module3	- practical exercise module4	- practical exercise module5
break					
part3	- presentation of module1	- practical exercise module2	- feedback on practical module3	- feedback on practical module4	- feedback on practical module5
break					
part4	- practical exercise on module1	- feedback on practical module2			
	WEEK 2				
	day6	day7	day8	day9	day10
part1	- presentation of module6	diary 1 presentation	- general reminder	- data entry presentation	-Feedback on the test
break					
part2	- practical exercise module6	- diary 1 practical exercise	- general practical exercise	- data entry practise (based on their practical exercise)	- Organisation of the team (according to test results)
break					
part3	- feedback on practical module6	- diary 2 presentation	- Final test	- use of GPS/ practise	
break					
part4		- diary 2 practical exercise			

ANNEXE 4

Agenda of field work

	from	to	Group1		
			Team 5.1 - Shefa	Team 5.2 - Shefa	Team 6 - Tafea
training	16/01/2012	29/01/2012	training in Port Vila		
round 1	30/01/2012	12/02/2012	Urban Efate 801-01 801-02	Urban Efate 829-00 831-00	EA 008-02 / Tanna near rural
round 2	13/02/2012	26/02/2012	Peri urban Efate 712-03	EA 709-02 / Efate far rural	
round 3	27/02/2012	11/03/2012	Urban Efate 801-04 801-05	Urban Efate 835-04 835-14	
round 4	12/03/2012	25/03/2012	Urban Efate 801-06 801-07	Peri urban Efate 715-03	Ea 026-00 / Tanna far rural
round 5	26/03/2012	8/04/2012	Peri urban Efate 721-00	Urban Efate 835-19 835-15	
round 6	9/04/2012	22/04/2012	Urban Efate 801-08 801-09	Urban Efate 835-22 836-01	
round 7	23/04/2012	6/05/2012	Urban Efate 801-10 801-11	Peri urban Efate 715-11	EA 040-00 / Tanna far rural
round 8	7/05/2012	20/05/2012		Urban Efate 836-03 837-03	
round 9	21/05/2012	3/06/2012	Urban Efate 801-14 801-16		
round 10	4/06/2012	17/06/2012	EA 112-01 / Epi	Urban Efate 838-01 838-02	EA 104-00 / Erromango
round 11	18/06/2012	1/07/2012	EA 111-02 / Epi	Peri urban Efate 716-05	
round 12	2/07/2012	15/07/2012	Urban Efate 801-17 803-02	Urban Efate 838-03 839-00	
round 13	16/07/2012	29/07/2012		EA 184-00 / Tongoa	
BREAK	30/07/2012	12/08/2012	INDEPENDANCE ANNIVERSARY		
round 14	13/08/2012	26/08/2012	Urban Efate 804-01 806-02	Urban Efate 840-01 840-02	EA 079-00 / Tanna far rural
round 15	27/08/2012	9/09/2012	Peri urban Efate 719-04	Urban Efate 840-03 840-05	
round 16	10/09/2012	23/09/2012	Urban Efate 807-01 807-02	Peri urban Efate 717-02	
round 17	24/09/2012	7/10/2012	Urban Efate 809-01 809-02	Urban Efate 840-06 840-07	
round 18	8/10/2012	21/10/2012	Urban Efate 809-03 809-04	Urban Efate 840-08 840-13	EA 031-00 / Tanna far rural
round 19	22/10/2012	4/11/2012	Peri urban Efate 713-01	Urban Efate 840-15 841-01	
round 20	5/11/2012	18/11/2012	Urban Efate 810-02 813-00	Peri urban Efate 718-02	
round 21	19/11/2012	2/12/2012	EA 707-04 / Efate far rural	Urban Efate 843-01 843-04	EA 122-00 / Tanna near rural
round 22	3/12/2012	16/12/2012	Urban Efate 823-01 824-01	Urban Efate 843-05 843-06	
BREAK	17/12/2012	6/01/2013	CHRISTMAS BREAK		
round 23	7/01/2013	20/01/2013	Peri urban Efate 712-10		EA 095-00 / Tanna far rural
round 24	21/01/2013	3/02/2013	Urban Efate 826-00 827-01	Urban Efate 844-00 843-07	

	from	to	Group2			
			Team 1 - Torba	Team 2 - Sanma	Team 3 - Penama	Team 4 - Malampa
training	13/02/2012	26/02/2012	training in Luganville			
round 1	27/02/2012	11/03/2012	EA 516-01 / Vanua Lava	Urban Santo 901-01 / 902-01	EA 395-00 / near rural Ambae	EA 623-01 / Malakula near rural
round 2	12/03/2012	25/03/2012		EA 401-03 / near rural Santo		
round 3	26/03/2012	8/04/2012		Urban Santo 929-01 / 929-02		
round 4	9/04/2012	22/04/2012			EA 386-00 / Meawo	EA 292 - Far rural Malakula
round 5	23/04/2012	6/05/2012		EA 453-01 / far rural Santo	EA 387-00 / Maewo	
round 6	7/05/2012	20/05/2012		EA 438-00 / far rural Santo		
round 7	21/05/2012	3/06/2012	EA 523-03 / Mota Lava	EA 481-00 / Malo		EA 266-00 / Malakula near rural
round 8	4/06/2012	17/06/2012		Urban Santo 903-01 / 904-00	EA 622-00 / Pentecost	
round 9	18/06/2012	1/07/2012		EA 461-04 / far rural Santo	EA 618-00 / Pentecost	
round 10	2/07/2012	15/07/2012			EA 596-00 / Pentecost	EA 274-00 / Malakula near rural
round 11	16/07/2012	29/07/2012		Peri urban Santo 418-01		EA 278-00 / Malakula near rural
BREAK	30/07/2012	12/08/2012	INDEPENDANCE ANNIVERSARY			
round 12	13/08/2012	26/08/2012		Urban Santo 924-00 / 925-01		
round 13	27/08/2012	9/09/2012		Peri urban Santo - 463-02		
round 14	10/09/2012	23/09/2012	EA 515-01 / Vanua Lava	Urban Santo 910-02 / 910-03		
round 15	24/09/2012	7/10/2012		EA 428-01 / far rural Santo	EA 002-00 / near rural Ambae	EA 221-00 / Ambrym
round 16	8/10/2012	21/10/2012		EA 427-00 / far rural Santo	EA 363-00 / far rural Ambae	EA 238-00 / Ambrym
round 17	22/10/2012	4/11/2012			EA 353-02 / far rural Ambae	EA 210-00 / Paama
round 18	5/11/2012	18/11/2012		Peri urban Santo - 420-02		
round 19	19/11/2012	2/12/2012		Urban Santo 926-00 / 916-00		EA 276-02 / Malakula near rural
round 20	3/12/2012	16/12/2012		Urban Santo 930-02 / 930-03		
BREAK	17/12/2012	6/01/2013	CHRISTMAS			
round 21	7/01/2013	20/01/2013	EA 527-00 / Gaua	Urban Santo 909-00 / 920-02	EA 315-00 / Pentecost	EA 308-00 / Far rural Malakula
round 22	21/01/2013	3/02/2013		EA 416-00 / far rural Santo	EA 313-00 / Pentecost	EA 309-00 / Far rural Malakula
round 23	4/02/2013	17/02/2013		EA 417-02 / far rural Santo	EA 314-00 / Pentecost	EA 623-01 / Malakula near rural
round 24	18/02/2013	3/03/2013				