COMPETING FOR SCARCE RESOURCES DURING HUMANITARIAN **EMERGENCIES**

Supporting Materials

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Appendix A. System Dynamics Model Documentation .Beneficiaries Beneficiaries= INTEG (Migration from Neighbor Area - Beneficiaries Served, Initial Beneficiaries) ~ People Beneficiaries Previous Period= Beneficiaries + Beneficiaries Served This Period People ~ Beneficiaries Served= Min(Max Beneficiaries Served, Desired Beneficiaries Served) People/Month ~ Beneficiaries Served Previous Period= INTEG (This Period Outflow-Previous Period Outflow, 0) People ~ Beneficiaries Served This Period= INTEG (Inflow of Beneficiaries this Period-This Period Outflow, 0) People ~ Desired Beneficiaries Served= Relief Workers Allocated * Relief Worker Effectiveness ~ People/Month Inflow of Beneficiaries this Period= Beneficiaries Served People/Month ~ Initial Beneficiaries= 20000 People ~ Max Beneficiaries Served= Beneficiaries / Min Time to Serve People/Month ~ Migration from Neighbor Area= Migration Inflow People/Month Migration Inflow= 500 ~ People/Month Min Time to Serve= 1Month ~ Previous Period Outflow= Beneficiaries Served Previous Period / TIME STEP People/Month

This Period Outflow= Beneficiaries Served This Period / TIME STEP ~ People/Month

Confirmed Fired= DELAY FIXED(Firing Decision, Time to Fire, Firing Decision) ~ People/Month
Confirmed Hired= DELAY FIXED (Hiring Decision, Time to Hire, Hiring Decision) ~ People/Month
Effect of Beneficiary Density on Effectiveness([(0,0)-(1,200)],(0,0),(1,150)) ~ 1/Month
Fired Leaving= Confirmed Fired ~ People/Month
Hired Arriving= Confirmed Hired ~ People/Month
Initial Relief Workers= 20 ~ People
Nominal Funding per Beneficiary= 15 ~ \$/People
Relief Worker Effectiveness= Effect of Beneficiary Density on Effectiveness (Beneficiaries / Initial Beneficiaries) ~ 1/Month
Relief Workers= INTEG (Hired Arriving-Fired Leaving, Initial Relief Workers) ~ People
Relief Workers Allocated= Relief Workers *Worker Allocation Decision ~ People
Relief Workers Idle= Relief Workers - Relief Workers Allocated ~ People
Time to Fire= 2 \sim Month
Time to Hire= 1 ~ Month

Firing Decision= GAME(0) ~ People/Month

Hiring Decision= GAME(0) ~ People/Month
Worker Allocation Decision= GAME(0) ~ Dmnl

.Financials ************************************
Actual Funding per Beneficiary= Nominal Funding per Beneficiary - Funding Deduction from Suffering ~ \$/People
Cash Position= INTEG (Change in Cash, Initial Cash Position) ~ \$
Change in Cash= Net Income ~ \$/Month
Cost of Being Idle= Relief Workers Idle * Unit Cost of Being Idle ~ \$/Month
Cost of Firing= Firing Decision * Unit Cost of Firing ~ \$/Month
Cost of Hiring= Hiring Decision * Unit Cost of Hiring ~ \$/Month
Cost of Operation= Relief Workers Allocated * Unit Cost of Operation ~ \$/Month
Funding Deduction from Suffering= Relative Suffering * Unit Deduction due to Suffering ~ \$/People
Funding Received= Desired Beneficiaries Served * Actual Funding per Beneficiary ~ \$/Month
Initial Cash Position= 4000 ~ \$
Net Income= Funding Received - Total Operating Costs ~ \$/Month
Total Operating Costs= Cost of Operation + Cost of Hiring + Cost of Firing + Cost of Being Idle ~ \$/Month
Unit Cost of Being Idle= 250 ~ \$/(Month*People)
Unit Cost of Firing= 500 ~ \$/People
Unit Cost of Hiring= 1000

~ \$/People Unit Cost of Operation= 750 \$/(Month*People) ~ Unit Deduction due to Suffering= 1 \$/People/Suffering ~ .Suffering Deprivation Level= Effect of Time on Deprivation Level (Time) Suffering ~ Effect of Time on Deprivation Level([(0,0)-(10,10)],(0,2),(1,2.6),(2,4),(4,7),(6,9),(7.52294,9.82456),(10,10))Suffering ~ Fraction Allocation to Meet Need= Relief Workers Allocated / Relief Workers Dmnl **.**... Fraction Beneficiaries in Need= Beneficiaries / Beneficiaries Previous Period Dmnl ~ Relative Suffering= Suffering * Weighted Need Suffering Suffering = Deprivation Level * Fraction Beneficiaries in Need Suffering ~ Weighted Need=MAX(0,(Fraction Beneficiaries in Need - Fraction Allocation to Meet Need)/Fraction Beneficiaries in Need) Dmnl ~ .Control Simulation Control Parameters FINAL TIME = 10Month ~ The final time for the simulation. ~ INITIAL TIME = 0Month ~ ~ The initial time for the simulation. SAVEPER = TIME STEP Month [0.?] ~ The frequency with which output is stored. ~ TIME STEP = 1

- ~ ~ Month [0,?] The time step for the simulation.

Appendix B. Instructions for the Humanitarian Relief Game

HUMANITARIAN RELIEF GAME Instructions

1. CONTEXT

Subjects in the "Humanitarian Relief" game play the role of a health NGO providing medical relief to beneficiaries after a devastating earthquake. The earthquake hitting Kaiho, a small developing country, affected two major regions: Lejeme city (Region 1), the epicenter and Prince-de-Paix (Region 2). Beneficiaries in both regions are in dire need of assistance. Health NGOs provide medical assistance by deploying their relief workers to each of the regions. Each period, NGOs decide in which region they will allocate their relief workers and if they would like to hire or fire them.

NGOs have an equal amount of resources (e.g., relief workers) and face the same operating costs. Humanitarian relief provided to beneficiaries allows NGOs to receive funds from donors. Funds can be used to cover the costs of humanitarian relief (e.g., operational costs) and can be used to hire or fire workers.

The game lasts 8 simulated periods. Once a beneficiary receives humanitarian relief, her needs are met and she is out of the system.

2. GAME OBJECTIVE

NGOs must meet the following objective

- Maximize the number of beneficiaries served, while finishing the game with a positive cash position
- (Minimize the suffering of beneficiaries, while finishing the game with a positive cash position)

3. GAME SETUP

At the beginning of the game, each participant takes up the role of one NGO. Each NGO begins with an equal amount of resources (e.g., money and relief workers). Due to higher initial beneficiary density in Lejeme city (Region 1), a humanitarian worker providing relief there is more effective than in Prince-de-Paix (Region 2). That is, humanitarian relief workers can support and assist more beneficiaries per period in Lejeme city (R1) than in Prince-de-Paix (R2). In addition, better infrastructure and logistics access ensures that operating costs are also lower in Lejeme city (R1) than in Prince-de-Paix (R2). At the start of the game, Lejeme city (R1) is more attractive than Prince-de-Paix (R2).

TABLE 1 – BASE PARAMETERS FOR HUMANITARIAN RELIEF GAME

Variables	Lejeme city (R1)	Prince-de-Paix (R2)
Beneficiaries (#)	12'000	8'000
Operating costs (\$/relief worker/period)	750	1000
Donations (\$/beneficiary)	15	15
Relief worker effectiveness (beneficiary/relief worker)	150	90
Inflow of beneficiaries/period	300	200

4. SEQUENCE OF PLAY

The following steps of play capture the core mechanics of play in each round of play (each period or simulated week).

- 1. Beneficiaries from neighboring areas migrate to R1 and R2;
- 2. NGOs analyze incoming information (statistics);
- 3. NGOs allocate relief workers (among regions R1, R2, or idle);
- 4. NGOs hire or fire relief workers;
- 5. NGOs record and submits decisions; and
- 6. NGOs incur operational costs, receive funds and learn about end of period cash.

Each round of play (simulated period), NGOs must make two decisions: (i) the number of relief workers they will hire/fire, and (ii) where they will allocate their relief workers (among regions R1, R2, or idle).

5. INFORMATION

5.1. Beneficiaries in a Region

Beneficiaries receive humanitarian relief from health NGOs a single time. When this takes place, their needs are met and they leave (exit) the system. In each simulated period, beneficiaries (*B*) from neighborhood areas migrate to the two regions (R1 and R2) to have access to humanitarian relief provided by health NGOs. Hence, the number of beneficiaries of a region at time (*t*+*t*) is given by the number of beneficiaries in that region (i) at a previous period (*t*) minus the outflow of beneficiaries served (*O_t*) plus the inflow of beneficiaries (*I_t*) migrating from a nearby area. $B_{i,t+1} = B_{i,t} - O_t + I_t$

5.2. Funding

NGOs receive funding based on how many beneficiaries they attend and what is the level of suffering. On default, NGOs will receive \$15 for each attended beneficiary; this does not change if they are in R1 or R2. But, depending on the suffering of the beneficiaries, this value can be reduced.

5.3. Hiring and firing

To hire or fire relief workers the NGO must pay an amount per worker – Table 2. The effectiveness of the workers depends on the process. The hiring process is fast: workers hired in period (t) will be available in period (t+1). The firing process is slow: workers fired in period (t) will still be available during periods (t) and (t+1) incurring the normal costs; the effect of the firing decision will occur in (t+2).

Decisions	Cost (\$/worker)	Effectiveness
Hiring	1'000	after 1 period
Firing	500	after 2 periods

 TABLE 2 – BASE PARAMETERS FOR HUMANITARIAN RELIEF GAME

5.4. Idle workers

Idle workers are those that are not allocated to Regions 1 or 2. They continue to be part of the NGO, but attend no beneficiaries. The cost of an idle worker is of \$250 per worker per period.

5.5. Relief worker effectiveness

As the number of beneficiaries in a region changes, so does beneficiary density, and the effectiveness of relief provided by a humanitarian worker. Figure 1 below captures the relationship of number of beneficiaries in a region and relief worker effectiveness.



FIGURE 1 - EFFECTIVENESS OF RELIEF WORKERS ACCORDING TO REGIONS

5.6. Deprivation

The level of deprivation of beneficiaries increases as time passes by; it ranges from 0 to 10. The longer a beneficiary endures without assistance, the bigger the level of deprivation. Migrants of the neighborhood entering Regions 1 and 2 have already suffered hardships on the outside; thus, their contribution to the level of deprivation is equal to the contribution of the beneficiaries in the system at that point in time.

5.7. Beneficiaries Suffering

The beneficiaries suffering depends on how much deprivation could be avoided in a region considering available workers.

Appendix C. Microsoft Excel Setup for the Humanitarian Relief Game

Participant view



4	Aggregate i chiba o		mine -							
3					,					
4	NGO Decisions		NGD1	NGD2	NGD3	NGD4	NGO5	Total		
5	Staff	Total Available	9	4	6	4	18	41		
6	Staff allocation	R1	2	3	1	3	9	18		
7		R2	0	1	1	0	7	9		
8		Idle	7	0	4	1	2	14		
9		Total Allocated	2	4	2	3	16	27		
10	Staff hiring/firing	Hiring	0	0	0	0	0	0		
11		Firing	0	0	0	0	0	0		
12		Data Validation	True	True	True	True	True	True		
10										

A B C D E F G H I J K L M N O P 13 Information MG01 MG02 MG02 MG02 Cover Cover <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>															
Information NGC/I		A	В	С	D	E	F	G	Н	J K	L	Μ	N	0	Р
Microf Microf<	13														
15 Beneficiary population Pi 2336 236 338 38	14	Information		NGD1	NGO2	NGD3	NGD4	NGO5	Total	Effectiveness	NGDî	NGD2	NGD3	NGD4	NGD5
16 P2 2751 2750 2751 2751 <th< th=""><th>15</th><th>Beneficiary population</th><th>R1</th><th>2 336</th><th>2 336</th><th>2 336</th><th>2 336</th><th>2 336</th><th></th><th>R1</th><th>29</th><th>29</th><th>29</th><th>29</th><th>29</th></th<>	15	Beneficiary population	R1	2 336	2 336	2 336	2 336	2 336		R1	29	29	29	29	29
Image: 10 model in the image in the image. Image: Image in the image. Image: Image in the image. Image: Image in the	16		R2	2 751	2 751	2 751	2 751	2 751		R2	38	38	38	38	38
18 Beneficiaries supported Pi 59 68 29 68 263 526 19 P2 0 38 38 0 263 336 10 Total 59 105 67 68 525 653 20 P2 2.44 2.4	17		Total	5 087	5 087	5 087	5 087	5 087							
19 P2 0 38 38 0 253 338 10 Total 58 125 67 88 525 653 22 Pace 2444<	18	Beneficiaries supported	R1	58	88	29	88	263	526	Deprivation	NGOT	NGO2	NG03	NGD4	NGO5
20 Total 58 25 67 88 525 683 11 Beneficiaries Remaining R1 1600	19		R2	0	38	38	0	263	338	R1	12,6	12,6	12,6	12,6	12,6
Image: Probability of the probability o	20		Total	58	125	67	88	525	863	R2	12,6	12,6	12,6	12,6	12,6
P2 244 244 244 244 244 23 Total 4224 4224 4224 4224 24 Total 4224 4224 4224 4224 24 Total 9 9.8	21	Beneficiaries Remaining	R1	1 810	1 810	1 810	1 810	1 810							
R1 0.5 0.5 0.5 0.5 0.5 24	22		R2	2 414	2 414	2 414	2 414	2 414		Fractional Need	NGD1	NGO2	NGD3	NGD4	NGD5
Princ Suffering Fit 9.8 9.8 9.8 9.8 9.8 9.8 9.8 25 Suffering Fit 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 26 R2 11.1	23		Total	4 224	4 224	4 224	4 224	4 224		R1	0,5	0,5	0,5	0,5	0,5
Suffering Pit 9.8 9.8 9.8 9.8 9.8 9.8 26 R2 11.1 11.1 11.1 11.1 11.1 11.1 27 R2 11.1 11.1 11.1 11.1 11.1 11.1 27 Costs NGC/ NGC/2 NGC	24									R2	0,5	0,5	0,5	0,5	0,5
26 R2 11.1 11.1 11.1 11.1 11.1 11.1 27 28	25	Suffering	R1	9,8	9,8	9,8	9,8	9,8							
Image: series of the series	26		R2	11,1	11,1	11,1	11,1	11,1							
NBC01 NBC02 NBC02 NBC04 NBC05 29 Cost of Operation in R1 1500 2250 750 2250 6750 31 Cost of Operation in R1 1500 2250 750 2250 6700 32 Cost of Operation in R2 0 1000 1000 250 500 33 Hiring Cost 0 0 0 0 0 0 34 Fining Cost 0 0 0 0 0 0 35 Total Operation Cost 3250 3250 2750 2500 14250 36 Funding MGC07 MGC0	27														
29 Costs NGO2 NGO2 NGO3 NGO4 NGO5 30 Cost of Operation in R1 1500 2250 750 2250 6750 31 Cost of Operation in R2 0 1000 0 7000 32 Cost of Staff Being Idle 1750 0 1000 250 500 34 Hiring Cost 0 0 0 0 0 0 34 Fining Cost 0 0 0 0 0 0 35 Total Operation Cost 3250 3250 2750 2500 14250 36 Funding MGO1 MGO2 MGO2 MGO3 MGO3 MGO3 37 Funding MGO1 MGO2 MGO3 MGO3 MGO3 MGO3 2820 39 Funding MGO1 MGO3 73 343 6 243 R1 5.1 6.2 - 40 Net Income -3317 -2120 -2 677 -2 157 -8007 R2 11.1 6.0 7.7 11.1	28														
30 Cost of Operation in R1 1500 2250 750 2250 6750 31 Cost of Operation in R2 0 1000 1000 250 700 32 Cost of Staff Being Idle 1750 0 1000 250 500 40 Hing Cost 0 0 0 0 0 0 5 Total Operation Cost 3250 3250 2750 2500 14250 6 Hing Cost 0 0 0 0 0 0 7 Funding NGOI NGOI NGOI NGOI NGOI NGOI 9	29	Costs		NGD1	NGO2	NG03	NGD4	NGD5		Fractional Allocati	NGD1	NGD2	NGD3	NGD4	NGO5
31 Cost of Operation in R2 0 1000 1000 0 7000 32 Cost of Staff Being Idle 1750 0 1000 250 500 33 Hiring Cost 0 0 0 0 0 0 34 Firing Cost 0 0 0 0 0 0 35 Total Operation Cost 3250 3250 2500 14250 R1 52% 0% 64% 0% 0% 36 Funding NGCI 0% <th>30</th> <th>Cost of Operation in R1</th> <th></th> <th>1500</th> <th>2250</th> <th>750</th> <th>2250</th> <th>6750</th> <th></th> <th>R1</th> <th>0,2</th> <th>0,8</th> <th>0,2</th> <th>0,8</th> <th>0,5</th>	30	Cost of Operation in R1		1500	2250	750	2250	6750		R1	0,2	0,8	0,2	0,8	0,5
32 Cost of Staff Being Idle 1750 0 1000 250 500 33 Hiring Cost 0 0 0 0 0 0 34 Firing Cost 0 0 0 0 0 0 35 Total Operation Cost 3250 3250 2750 200 14250 7 Funding NGCI NGCI <t< th=""><th>31</th><td>Cost of Operation in R2</td><td></td><td>0</td><td>1000</td><td>1000</td><td>0</td><td>7000</td><td></td><td>R2</td><td>0,0</td><td>0,3</td><td>0,2</td><td>0,0</td><td>0,4</td></t<>	31	Cost of Operation in R2		0	1000	1000	0	7000		R2	0,0	0,3	0,2	0,0	0,4
33 Hiring Cost 0 0 0 0 0 0 34 Firing Cost 0<	32	Cost of Staff Being Idle		1750	0	1000	250	500							
34 Firing Cost 0 0 0 0 0 0 0 35 Total Operation Cost 3250 3250 2750 2500 14250 14250 100% 54% 69% 100% 28% 36 Funding MGD1 MGD2 MGD2 MGD5 100% 54% 69% 100% 28% 37 Funding Received -67 1130 73 343 6243 R1 5.1 - 6.2 - - 39 - - - 6.2 - - - R2 11.1 6.0 7.7 11.1 3.1 40 Net Income -3317 -2120 -2 677 -2 157 -8007 -8007 -	33	Hiring Cost		0	0	0	0	0		Weighted Need	NGD1	NGD2	NGD3	NGD4	NGO5
35 Total Operation Cost 3250 3250 2750 2500 14250 36 Image: Second Sec	34	Firing Cost		0	0	0	0	0		B1	52%	0%	64%	0%	0%
36 NG01 NG02 NG03 NG05 NG05 37 Funds Received -67 1130 73 343 6 243 39	35	Total Operation Cost		3250	3250	2750	2500	14250		R2	100%	54%	69%	100%	28%
NGD1 NGD2 NGD2 NGD3 NGD4 NGD5 10 Funds Received -67 1130 73 343 6 243 10 Net Income -3317 -2 120 -2 677 -2 157 -8 007 11 Storting Cash 1 668 4 551 2 821 6 880 -9 695 12 Fandar Cash -1 649 2 432 -143 4 773 -17 702	36														
38 Funds Received -67 1 130 73 343 6 243 39	37	Funding		NGDî	NGC12	NGD3	NGD4	NGD5		Relative Suffering	NGD1	NGD2	NGD3	NGD4	NGD5
39 B2 11 6.0 7.7 11.1 3.1 40 Net Income -3317 -2120 -2677 -2157 -8007 41 Starting Cash 1668 4551 2821 6800 -9695 42 Ending Cash 1649 -2432 143 4733 -17702	38	Funds Received		-67	1 130	73	343	6 243		R1	5,1	-	6,2	-	-
40 Net Income -3 317 -2 120 -2 677 -2 157 -8 007 41 Starting Cash 1 668 4 551 2 821 6 880 -9 695 2 Ending Cash -1 649 2 432 -143 4 773 -17 702	39									R2	11,1	6,0	7,7	11,1	3,1
41 Starting Cash 1 668 4 551 2 821 6 880 -9 695 42 Ending Cash -1 649 2 432 143 4 773 -17 702	40	Net Income		-3 317	-2 120	-2 677	-2 157	-8 007				I		I	U
42 Ending Cash -1649 2432 143 4723 -17702	41	Starting Cash		1 668	4 551	2 821	6 880	-9 695							
		Starting Cash		1 000	1 3 3 1		0.000	2 0 2 0							

Effectiveness	NGDî	NGD2	NGD3	NGD4	NGO5
R1	29	29	29	29	29
R2	38	38	38	38	38
Deprivation	NGDî	NGO2	NG03	NGD4	NGO5
R1	12,6	12,6	12,6	12,6	12,6
R2	12,6	12,6	12,6	12,6	12,6
Fractional Need	NGD1	NGO2	NGD3	NGD4	NGD5
B1	0,5	0,5	0,5	0,5	0,5
R2	0,5	0,5	0,5	0,5	0,5

	NGD1	NGO2	NGD3	NGD4	NGD5
ration in R1	1500	2250	750	2250	6750
ration in R2	0	1000	1000	0	7000
f Being Idle	1750	0	1000	250	500
	0	0	0	0	0
	0	0	0	0	0
tion Cost	3250	3250	2750	2500	14250
	NGDî	NGO2	NGD3	NGD4	NGD5
ived	<i>NGD1</i> -67	<i>NGCl2</i> 1 130	<i>NGD3</i> 73	<i>NGD4</i> 343	<i>NGD5</i> 6 243
ived	<i>NGC)1</i> -67	<i>NGC2</i> 1 130	<i>NGD3</i> 73	<i>NGD4</i> 343	<i>NGD</i> 5 6 243
ived	NGDi -67 -3 317	<i>NGD2</i> 1 130 -2 120	<i>NGD3</i> 73 -2 677	NGD4 343 -2 157	<i>NGD5</i> 6 243 -8 007
ived sh	<i>NGCI</i> -67 -3 317 1 668	<i>NGD2</i> 1 130 -2 120 4 551	<i>NGD3</i> 73 -2 677 2 821	<i>NGC4</i> 343 -2 157 6 880	<i>NGD5</i> 6 243 -8 007 -9 695

42 Ending Cash

Fractional Allocati	NGUT	NGUZ	NGU3	NGU4	NEUS	
R1	0,2	0,8	0,2	0,8	0,5	
R2	0,0	0,3	0,2	0,0	0,4	
Weighted Need	NGD1	NGD2	NGD3	NGD4	NGO5	
B1	52%	0%	64%	0%	0%	
R2	100%	54%	69%	100%	28%	
Relative Suffering	NGDî	NGO2	NGD3	NGD4	NGO5	
R1	5,1	-	6,2	-	-	
R2	11,1	6,0	7,7	11,1	3,1	

Appendix D. Humanitarian Relief Game Exit Questionnaire

- 1) Please insert your name
- 2) What was your group?
 - 1
 - 2
 - 3
 - 4
- 3) What was the objective you were trying to achieve?
 - Maximize NGOs funds
 - Minimize the suffering
 - Maximize quantity of assisted people
 - Maximize NGOs efficiency
- 4) How did you decide how many people to hire/fire?
- 5) How did you decide where to allocate people?
- 6) Did you change your strategy during the game?
 - Yes
 - No
- 7) Does the visualization of the territory influence your decisions? If yes, how?
- 8) Considering the humanitarian relief effort, how do you rank the following factors in the game? (1
 - most challenging; 5 least challenging)
 - conflict of interests
 - limited information sharing
 - tradeoffs in allocating resources
 - competition for scarce resources
 - interaction among different actors
- 9) Do you see any of the factors as equal/similar? If yes, which ones?
- 10) This factor was very challenging.

Factors	Strongly	Disagree	Neutral	Agree	Strongly
	disagree				agree
conflict of interests					
limited information sharing					
tradeoffs in allocating resources					
competition for scarce resources					
interaction among different actors					

- 11) According to your assessment, did the environment lead to competition between NGOs?
- 12) According to your assessment, did the environment lead to coordination between NGOs?
- 13) Did you feel that the environment contributed more to competition or to coordination?
 - Competition
 - Coordination
- 14) Explain your reasoning for the last answer.
- 15) What do you think would enhance competition?
- 16) What do you think would enhance coordination?
- 17) Did you feel you needed more information to make the decisions? If yes, how would it be useful?
- 18) Did you learn something by playing the game? What?
- 19) Would you play the game again? Why?
- 20) Did you peek at your neighbor's data or decisions? (no points will be deduced for sincerity!)
 - a. Yes, every round
 - b. Yes, a few times
 - c. No, we weren't allowed
- 21) If you did peek, what information did you look for?
- 22) Are the excel sheets easy to handle/understand? What could be further developed?
- 23) What would you change to improve the game? What would this achieve?