

Appendix

APPENDIX A

The following official documents and websites were used for analysing the Central Asian governments' position towards religion:

Parliamentary Websites of the Central Asian countries:

- Kazakhstan: <http://www.parlam.kz/en>
- Kyrgyzstan: <http://www.kenesh.kg/>
- Tajikistan: <http://www.parlament.tj/>
- Uzbekistan: <http://parliament.gov.uz/en/>, Senate: <http://www.senat.gov.uz/en/index.html>

Constitutions of the Central Asian countries:

- Kazakhstan: http://www.din.gov.kz/eng/pravovaja_baza/ ; <http://www.constcouncil.kz/eng/norpb/constrk/#note8anc>
- Kyrgyzstan: http://www.legislationline.org/download/action/download/id/3116/file/Kyrgyz%20Constitution%20-%20adopted%20by%20referendum%2027%20Jun2010_f_EN.pdf
- Tajikistan: <http://legislationline.org/download/action/download/id/1649/file/5f95858dea5e2a62de84f0c7f650.pdf>
- Uzbekistan: <http://legislationline.org/documents/action/popup/id/15850/preview>

Religious laws of the Central Asian countries: (24.9.2013)

- Kazakhstan: http://www.legislationline.org/download/action/download/id/4091/file/Kazakhstan_Law_religious_freedoms_organisations_2011_en.pdf
- Kyrgyzstan: <http://www.atc.kg/doc/zkr/3/>
- Tajikistan: <http://woltj.myl.ru/Doc/ZakPro.pdf>
- Uzbekistan: http://religions.uz/rus/normativnaya_baza/zakoni/

Websites of the Religious Committees of Central Asian countries:

- Kazakhstan: <http://www.din.gov.kz/eng/index.php> (English), <http://www.din.gov.kz/> (Kazakh)
- Kyrgyzstan: not available
- Tajikistan: not available
- Uzbekistan: <http://religions.uz/rus>

Websites of the Muftiates of Central Asian countries:

- Kazakhstan: <http://muftyat.kz/>
- Kyrgyzstan: <http://muftiyat.kg/>
- Tajikistan: not available
- Uzbekistan: <http://muslim.uz/>

APPENDIX B

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globals [arbitrary-arrests]
breed [non-muslims non-muslim]
breed [muslims muslim]
breed [unofficial-muslims unofficial-muslim]
breed [securities security]
turtles-own [violent-means
              protest-time
              participated-in-protest
              prison-term
              arrested
              hit
              radicalized]
;::::::::::::::::::::::::::::::::::::: SETUP;:::::::::::::::::::::::::::::::::::::
to setup
clear-all
setup-patches
setup-non-muslims
setup-muslims
setup-securities
reset-ticks
end
to setup-patches
ask patches [set pcolor 9.9]
end
to setup-non-muslims
create-non-muslims 1250
ask non-muslims [setxy random-xcor random-ycor]
ask non-muslims [set color yellow]
end
to setup-muslims
create-muslims 3250
ask muslims [setxy random-xcor random-ycor]
ask muslims [set color 66]
ask n-of (count muslims / 1000) muslims [set color 74 set breed unofficial-
muslims ]

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ask one-of unofficial-muslims [set color red set violent-means 1 set size
1.5]
end
to setup-securities
create-securities capacity-securities
ask securities [setxy random-xcor random-ycor]
ask securities [set color 105 set size 1.5]
end
..... GO;.....
to go
move-turtles
proselytize
protest
arrest
arrest-protestors
attack
radicalize
ask turtles [if hit > 0 [set hit hit - 1]]
ask turtles [if prison-term > 0 [set prison-term prison-term - 1]]
ask turtles [if protest-time > 0 [set protest-time protest-time - 1]]
tick
end
..... MOVE;.....
to move-turtles
ask turtles with [prison-term = 0] with [protest-time = 0] [left random 360
forward 1
end
..... PROSELYTIZE;.....
to proselytize
ask n-of ((count unofficial-muslims with [prison-term = 0] / (100 * con-
text-legitimacy) )+ 1) unofficial-muslims with [prison-term = 0]
[if any? muslims in-radius 1 [ ask one-of muslims in-radius 1 [set color 74
set breed unofficial-muslims]]]
end
..... ARREST;.....
to arrest
ask securities [ifelse (count unofficial-muslims > 10 * context-legitimacy)
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[ask unofficial-muslims in-radius 1 [ set prison-term 180 ]
ask unofficial-muslims with [violent-means = 1] in-radius 1 [ set prison-
term 180 ]]
[ask unofficial-muslims with [violent-means = 1] in-radius 1 [ set prison-
term 180 ]] ]
ask unofficial-muslims with [color = 74] [if prison-term = 180 [set arbi-
trary-arrests arbitrary-arrests + 1]]
end
,,,,,,,,,,,,,,,,,,,,,,,,, ARREST PROTESTORS,,,,,,,,,,,,,,,,,,,,,,,,,
to arrest-protestors
ask securities [ask turtles with [color = black] in-radius 1 [set prison-term
40]]
ask turtles with [prison-term = 1] [set arrested arrested + 1]
end
,,,,,,,,,,,,,,,,,,,,,,,,,PROTEST & SPROUT JIHADISTS,,,,,,,,,,,,,,,,,,,,,,,,,
to protest
ask unofficial-muslims [if any? unofficial-muslims with [prison-term > 0]
in-radius 1
[set protest-time 5 set color black set participated-in-protest participated-in-
protest + 1]]
ask unofficial-muslims with [protest-time = 0] with [prison-term = 0] [set
color 74]
end
,,,,,,,,,,,,,,,,,,,,,,,,, ,,,,,,,,,,,,,,ATTACK,,,,,,,,,,,,,,,,,,,,,,,,,
to attack
ask unofficial-muslims with [violent-means = 1] with [prison-term = 0] [if
any? securities in-radius 1.2 [ask turtles in-radius 1.2 [set hit 2] set pcolor
black ] ]
end
,,,,,,,,,,,,,,,,,,,,,,,,,RADICALIZE,,,,,,,,,,,,,,,,,,,,,,,,,
to radicalize
ask turtles with [prison-term = 1] [set radicalized random 10 * pts]
ask turtles with [prison-term = 0] [if (radicalized >= 9) [set breed unoffi-
cial-muslims set violent-means 1 set color red]]
end

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APPENDIX C

Table 37: Initial Values and Parameters for Simulation

	Kazakhstan	Kyrgyzstan	Tajikistan	Uzbekistan
Initial Values				
Security forces	22.5	17	10	15
Non-Muslims	1,500	1,250	300	350
Ethnic-Muslims	3,500	3,750	4,700	4,650
Religiosity of the society	1/1,000	1/1,000	1/100	1/100
Jihadists	1	1	1	1
Parameters				
Context-legitimacy	4.25	5.00	4.25	3.5
Capacities of Security forces	35	11	4	19
PTS	2.40	2.38	2.75	2.83