Before leaving the room, please check that this Protocol is filled and signed. In case a Juror mistakenly holds up a Grade which differs from their Individual Protocol, announce this immediately to the Chairperson, make a clear correction in this Science Fight protocol, and ask the Juror to sign near the correction. No Juror can amend any Grade rectroactively (*IYNT Regs*, Ch. 1, IX, 1.)

Science Fight Protocol

Attendant's name WANG Ran Chairperson's name Valentin LOBYSHEV SF 2 Group C

Date Jun 30, 2017 Time SF started 15:07 Number of Jurors 7 Name of the winner of Captain's Contest, if any _____ Time SF ended 18:06

Grades cross-checked with Jurors' Protocols (Attendant's signature) WANG Ran The Protocol is complete and accepted (Chairperson's signature) _____

Captain's Contest, if any	Team:	Points:	Team:	Points:	Team:	Points:

	Stage I			Stage II			Stage III		
Problem in the Stage	Accepted: 13	Rejected, if any:		Accepted: 14	Rejected, if any:		Accepted: 10	Rejected, if any: 15	
	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer
Team →	Russia - Izolenta	Indonesia - Labsky	China - NFLS LaplaceWitches	Indonesia - Labsky	China - NFLS LaplaceWitches	Russia - Izolenta	China-NFLS LaplaceWitches	Russia - Izolenta	Indonesia - Labsky
Presenter's Name → (ask the Team to write the Name on the blackboard or pass you the name tag)	Angelina ZHURAVLEVA	Temuku Muhammad Zaki AULIA	KE Guanquan	Tommy Alfie FIBISONO	LI You	Polina PARINOVA	CHEN Tianyi	Sergey GLEBOV	Karisa MARLEMAN
Juror / Yellow Cards: NR, NP, NT →									
Valentin LOBYSHEV	15	12	7	20	16	9	17	16	4
Milen KADIYSKI	15	12	10	21	14	6	17	14	7
Danko MARUSIC	13	11	7	14	19	8	19	13	6
BI Jun	17	9	9	19	15	5	19	15	10
LI Hong	17	11	9	15	16	6	18	14	9
LI Bin	13	8	7	15	14	6	15	12	6
LI Ying	11	8	8	15	18	6	17	15	6

Please fill clearly and sign before showing your Grades. In case of discrepancy, this Protocol is considered correct (*IYNT Regulations*, Ch. 2, I, 8). No Grade can be corrected retroactively (*IYNT Regulations*, Ch. 1, IX, 1). This Protocol will be scanned and published. Before leaving the Science Fight room, please cross-check your Grades with Attendant's Science Fight Protocol and pass this Protocol to Chairperson in your Group.

Individual Juror's Protocol

Juror's name Valentin Lobyshev Date 30.06 SF 2 Group C

Overview of Science Fight

	Stage I	Stage II	Stage III
Problem in the Stage	**Accepted:** 13	**Accepted:** 14	**Accepted:**
	Rejected, if any:	Rejected, if any:	Rejected, if any: 15
	Fill below the names of Teams and Presenters, and any Yellow Cards announced by Chairperson (NR, NP, or NT)		
Reporter	Zhuravlev Russia-ISO	Tomuy Indonesia	Chan Tian China NFLS
Opponent	Indonesia	Li You China NFLS	Sergei Glebov Russia-ISO
Reviewer	China NFLS	Polina Fariuova Russia-ISO	Karisa Marleman. Indonesia.

Criteria for Partial Grades

	for Reporter	Range	for Opponent	Range	for Reviewer	Range
α	Essence of the solution. Results. Validity. Scientific methods. Vision of scientific context. Justified conclusions. *Main tasks*: novel ideas, depth. *Inv Yourself*: problem statement. *Additional*: cooperation, resourcefulness	–6...+6	Objective critique. Skeptical inquiry. Relevant, nontrivial, challenging questions. Analysis of Report. Justified opinions. Understanding of scientific context. Valid conclusions, suggestions	–4...+4	Impartial, weighted, analytical Review. Relevant, nontrivial questions. Own, justified conclusions on Report, Opposition, and discussion. Understanding of scientific context	–2...+2
β	Defending own solution. Reaction to critique. Answers	–3...+3	Full focus on Report. Active, substantial argumentation	–2...+2	Critical summarization and wrap up of the Stage	–1...+1
γ	Structured and persuasive presentation. Speaking skills	–3...+3	Structured and persuasive Opposition. Speaking skills	–2...+2	Structured and persuasive Review. Speaking skills	–1...+1
δ	Technicalities, visual aids, demonstrations, team help	–2...+3	Technicalities, visual aids to the Opposition, team help	–1...+2	Technicalities, visual aids to the Review, team help	–0...+1

Juror's Grades

	Stage I			Stage II			Stage III		
	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer
Starting	**15**	**10**	**5**	**15**	**10**	**5**	**15**	**10**	**5**
α	–1	+1	0	+2	+2	+2	+1	+2	0
β	0	+1	+1	+1	+2	+1	0	+2	0
γ	+2	0	+1	+2	+2	+1	+2	+2	–1
δ	–1	0	0	0	0	0	–1	0	0
Sum up the Starting Grade (15, 10, or 5) with all four Partial Grades, and write below your resulting Juror's Grade									
Juror's Grade	15	12	7	20	16	9	17	16	4
Juror's signature									

Please fill clearly and sign before showing your Grades. In case of discrepancy, this Protocol is considered correct (*IYNT Regulations*, Ch. 2, I, 8). No Grade can be corrected retroactively (*IYNT Regulations*, Ch. 1, IX, 1). This Protocol will be scanned and published. Before leaving the Science Fight room, please cross-check your Grades with Attendant's Science Fight Protocol and pass this Protocol to Chairperson in your Group.

Individual Juror's Protocol

Juror's name Milen Kadiyski Date 20/06/17 SF 2 Group C

Overview of Science Fight

	Stage I	Stage II	Stage III
Problem in the Stage	**Accepted:** 13	**Accepted:** 14	**Accepted:** 10
	Rejected, if any:	Rejected, if any:	Rejected, if any: 15
	Fill below the names of Teams and Presenters, and any Yellow Cards announced by Chairperson (NR, NP, or NT)		
Reporter	Angelina Zhuravlieva Russia-Izolenta	Tommy Alfie Fibisono Indonesia	Chen Pianxi China
Opponent	Tmzaki Acha Indonesia-Labsky	Li You ~~Indonesia~~ China	Sergey Glebov Russia
Reviewer	Ke Guangmo China-NFBS Lapla ce Witches	Polina Parinova Russia	Karisa Marleman Indonesia

Criteria for Partial Grades

	for Reporter	Range	for Opponent	Range	for Reviewer	Range
α	Essence of the solution. Results. Validity. Scientific methods. Vision of scientific context. Justified conclusions. *Main tasks*: novel ideas, depth. *Inv Yourself*: problem statement. *Additional*: cooperation, resourcefulness	-6...+6	Objective critique. Skeptical inquiry. Relevant, nontrivial, challenging questions. Analysis of Report. Justified opinions. Understanding of scientific context. Valid conclusions, suggestions	-4...+4	Impartial, weighted, analytical Review. Relevant, nontrivial questions. Own, justified conclusions on Report, Opposition, and discussion. Understanding of scientific context	-2...+2
β	Defending own solution. Reaction to critique. Answers	-3...+3	Full focus on Report. Active, substantial argumentation	-2...+2	Critical summarization and wrap up of the Stage	-1...+1
γ	Structured and persuasive presentation. Speaking skills	-3...+3	Structured and persuasive Opposition. Speaking skills	-2...+2	Structured and persuasive Review. Speaking skills	-1...+1
δ	Technicalities, visual aids, demonstrations, team help	-2...+3	Technicalities, visual aids to the Opposition, team help	-1...+2	Technicalities, visual aids to the Review, team help	-0...+1

Juror's Grades

	Stage I			Stage II			Stage III		
	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer
Starting	**15**	**10**	**5**	**15**	**10**	**5**	**15**	**10**	**5**
α	0	+1	+2	+2	+2	0	+1	+2	+1
β	-3	+1	+1	0	+1	+1	0	+1	0
γ	+3	0	+1	+2	0	0	+2	+1	+1
δ	0	0	+1	+2	+1	0	-1	0	0
Sum up the Starting Grade (15, 10, or 5) with all four Partial Grades, and write below your resulting Juror's Grade									
Juror's Grade	15	12	10	21	14	6	17	14	7
Juror's signature									

Please fill clearly and sign before showing your Grades. In case of discrepancy, this Protocol is considered correct (*IYNT Regulations*, Ch. 2, I, 8). No Grade can be corrected retroactively (*IYNT Regulations*, Ch. 1, IX, 1). This Protocol will be scanned and published. Before leaving the Science Fight room, please cross-check your Grades with Attendant's Science Fight Protocol and pass this Protocol to Chairperson in your Group.

Individual Juror's Protocol

Juror's name DANKO MARUSIC Date 30. 6. 17. SF 2 Group C

Overview of Science Fight

	Stage I	Stage II	Stage III
Problem in the Stage	**Accepted:** 13. Allometry	**Accepted:** 14. Rootsandgarden cress	**Accepted:** 10. Rijke's tube
	Rejected, if any: /	Rejected, if any: /	Rejected, if any: 15.
	Fill below the names of Teams and Presenters, and any Yellow Cards announced by Chairperson (NR, NP, or NT)		
Reporter	Russia - Izolenta Angelina Zhuravleva	Indonesia - Labsky Tommy Alfie Fibisono	China NFLS LaplaceWitches Chen Tianqi ~~Karisa Marleman~~
Opponent	Indonesia - Labsky T M Zaki Aulia	China - NFLS LaplaceWitches Li You	Russia - Izolenta Sergey Glebov
Reviewer	China - NFLS LaplaceWitches Ke GuanGuan	Russia - Izolenta Polina Parinova	Indonesia - Labsky ~~Chen~~ Karisa Marleman

Criteria for Partial Grades

	for Reporter	Range	for Opponent	Range	for Reviewer	Range
α	Essence of the solution. Results. Validity. Scientific methods. Vision of scientific context. Justified conclusions. *Main tasks*: novel ideas, depth. *Inv Yourself*: problem statement. *Additional*: cooperation, resourcefulness	-6...+6	Objective critique. Skeptical inquiry. Relevant, nontrivial, challenging questions. Analysis of Report. Justified opinions. Understanding of scientific context. Valid conclusions, suggestions	-4...+4	Impartial, weighted, analytical Review. Relevant, nontrivial questions. Own, justified conclusions on Report, Opposition, and discussion. Understanding of scientific context	-2...+2
β	Defending own solution. Reaction to critique. Answers	-3...+3	Full focus on Report. Active, substantial argumentation	-2...+2	Critical summarization and wrap up of the Stage	-1...+1
γ	Structured and persuasive presentation. Speaking skills	-3...+3	Structured and persuasive Opposition. Speaking skills	-2...+2	Structured and persuasive Review. Speaking skills	-1...+1
δ	Technicalities, visual aids, demonstrations, team help	-2...+3	Technicalities, visual aids to the Opposition, team help	-1...+2	Technicalities, visual aids to the Review, team help	-0...+1

Juror's Grades

	Stage I			Stage II			Stage III		
	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer
Starting	**15**	**10**	**5**	**15**	**10**	**5**	**15**	**10**	**5**
α	-2	+1	+1	-3	+4	+2	+1	+2	+1
β	-1	0	+1	+1	+2	0	+2	+1	0
γ	0	0	0	+1	+2	+1	+1	0	0
δ	+1	0	0	0	+1	0	0	0	0
Sum up the Starting Grade (15, 10, or 5) with all four Partial Grades, and write below your resulting Juror's Grade									
Juror's Grade	13	11	7	14	19	8	19	13	6
Juror's signature	Marušić			Marušić			Marušić		

Please fill clearly and sign before showing your Grades. In case of discrepancy, this Protocol is considered correct (*IYNT Regulations*, Ch. 2, I, 8). No Grade can be corrected retroactively (*IYNT Regulations*, Ch. 1, IX, 1). This Protocol will be scanned and published. Before leaving the Science Fight room, please cross-check your Grades with Attendant's Science Fight Protocol and pass this Protocol to Chairperson in your Group.

Individual Juror's Protocol

Juror's name BI JUN Date 2017/6/30 SF 2 Group C

Overview of Science Fight

	Stage I	Stage II	Stage III
Problem in the Stage	**Accepted:** ✓	**Accepted:** ✓	**Accepted:**
	Rejected, if any:	Rejected, if any:	Rejected, if any: ✓
	Fill below the names of Teams and Presenters, and any Yellow Cards announced by Chairperson (NR, NP, or NT)		
Reporter	Russia	Indonicia	NSFLC2)
Opponent	Indonicia	NTLS(2)	Russia
Reviewer	NTLS(2)	Russia	Indonicia.

Criteria for Partial Grades

	for Reporter	Range	for Opponent	Range	for Reviewer	Range
α	Essence of the solution. Results. Validity. Scientific methods. Vision of scientific context. Justified conclusions. *Main tasks*: novel ideas, depth. *Inv Yourself*: problem statement. *Additional*: cooperation, resourcefulness	-6...+6	Objective critique. Skeptical inquiry. Relevant, nontrivial, challenging questions. Analysis of Report. Justified opinions. Understanding of scientific context. Valid conclusions, suggestions	-4...+4	Impartial, weighted, analytical Review. Relevant, nontrivial questions. Own, justified conclusions on Report, Opposition, and discussion. Understanding of scientific context	-2...+2
β	Defending own solution. Reaction to critique. Answers	-3...+3	Full focus on Report. Active, substantial argumentation	-2...+2	Critical summarization and wrap up of the Stage	-1...+1
γ	Structured and persuasive presentation. Speaking skills	-3...+3	Structured and persuasive Opposition. Speaking skills	-2...+2	Structured and persuasive Review. Speaking skills	-1...+1
δ	Technicalities, visual aids, demonstrations, team help	-2...+3	Technicalities, visual aids to the Opposition, team help	-1...+2	Technicalities, visual aids to the Review, team help	-0...+1

Juror's Grades

	Stage I			Stage II			Stage III		
	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer
Starting	**15**	**10**	**5**	**15**	**10**	**5**	**15**	**10**	**5**
α	0	0	+2	+1	+2	0	+2	+2	+2
β	0	0	+1	+1	+1	0	1	1	1
γ	+1	-1	+1	+1	+1	0	0	1	1
δ	+1	0	0	+1	+1	0	1	1	1
Sum up the Starting Grade (15, 10, or 5) with all four Partial Grades, and write below your resulting Juror's Grade									
Juror's Grade	17	9	9	19	15	5	19	15	10
Juror's signature									

Please fill clearly and sign before showing your Grades. In case of discrepancy, this Protocol is considered correct (*IYNT Regulations*, Ch. 2, I, 8). No Grade can be corrected retroactively (*IYNT Regulations*, Ch. 1, IX, 1). This Protocol will be scanned and published. Before leaving the Science Fight room, please cross-check your Grades with Attendant's Science Fight Protocol and pass this Protocol to Chairperson in your Group.

Individual Juror's Protocol

Juror's name LI Hong Date 30th June SF 2 Group C

Overview of Science Fight

	Stage I	Stage II	Stage III
Problem in the Stage	**Accepted:**	**Accepted:**	**Accepted:**
	Rejected, if any:	Rejected, if any:	Rejected, if any:
	Fill below the names of Teams and Presenters, and any Yellow Cards announced by Chairperson (NR, NP, or NT)		
Reporter	Russia - Izolent	Indonesia Tommy	China - NFLS Rejected
Opponent	Indonesia - labsky	China-NFLS	Russia
Reviewer	China-NFLS - lapbus W.	Russia	Indonesia

Criteria for Partial Grades

	for Reporter	Range	for Opponent	Range	for Reviewer	Range
α	Essence of the solution. Results. Validity. Scientific methods. Vision of scientific context. Justified conclusions. *Main tasks*: novel ideas, depth. *Inv Yourself*: problem statement. *Additional*: cooperation, resourcefulness	-6...+6	Objective critique. Skeptical inquiry. Relevant, nontrivial, challenging questions. Analysis of Report. Justified opinions. Understanding of scientific context. Valid conclusions, suggestions	-4...+4	Impartial, weighted, analytical Review. Relevant, nontrivial questions. Own, justified conclusions on Report, Opposition, and discussion. Understanding of scientific context	-2...+2
β	Defending own solution. Reaction to critique. Answers	-3...+3	Full focus on Report. Active, substantial argumentation	-2...+2	Critical summarization and wrap up of the Stage	-1...+1
γ	Structured and persuasive presentation. Speaking skills	-3...+3	Structured and persuasive Opposition. Speaking skills	-2...+2	Structured and persuasive Review. Speaking skills	-1...+1
δ	Technicalities, visual aids, demonstrations, team help	-2...+3	Technicalities, visual aids to the Opposition, team help	-1...+2	Technicalities, visual aids to the Review, team help	-0...+1

Juror's Grades

	Stage I			Stage II			Stage III		
	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer
Starting	**15**	**10**	**5**	**15**	**10**	**5**	**15**	**10**	**5**
α	+2	+1	+1	+1	+3	0	+2	+1	+1
β	+1	+0	+1	-2	+1	+1	+1	+0+1	+1
γ	-2	+0	+1	+1	+1	0	+0	+1	+1
δ	+1	+0	+1	0	+1	0	+0	+1	+1
Sum up the Starting Grade (15, 10, or 5) with all four Partial Grades, and write below your resulting Juror's Grade									
Juror's Grade	17	11	9	15	16	6	18	14+0	9
Juror's signature	LI Hong			CI Hong			Li Hong		

Please fill clearly and sign before showing your Grades. In case of discrepancy, this Protocol is considered correct (*IYNT Regulations*, Ch. 2, I, 8). No Grade can be corrected retroactively (*IYNT Regulations*, Ch. 1, IX, 1). This Protocol will be scanned and published. Before leaving the Science Fight room, please cross-check your Grades with Attendant's Science Fight Protocol and pass this Protocol to Chairperson in your Group.

Individual Juror's Protocol

Juror's name Li Bin Date 2017-6-30 SF 2 Group C.

Overview of Science Fight

	Stage I	Stage II	Stage III
Problem in the Stage	Accepted: 6	Accepted: 14	Accepted: 10
	Rejected, if any:	Rejected, if any:	Rejected, if any: 15.
	Fill below the names of Teams and Presenters, and any Yellow Cards announced by Chairperson (NR, NP, or NT)		
Reporter	Angelina Zhuravleva	Tommy Alfre. Fitsons	Chen Tian Zi
Opponent	TAMZaki Acha.	Li You	Sergey Glebov
Reviewer	He Guanyuan.	Polina Parinova.	Karisa Merlema.

Criteria for Partial Grades

	for Reporter	Range	for Opponent	Range	for Reviewer	Range
α	Essence of the solution. Results. Validity. Scientific methods. Vision of scientific context. Justified conclusions. *Main tasks*: novel ideas, depth. *Inv Yourself*: problem statement. *Additional*: cooperation, resourcefulness	-6...+6	Objective critique. Skeptical inquiry. Relevant, nontrivial, challenging questions. Analysis of Report. Justified opinions. Understanding of scientific context. Valid conclusions, suggestions	-4...+4	Impartial, weighted, analytical Review. Relevant, nontrivial questions. Own, justified conclusions on Report, Opposition, and discussion. Understanding of scientific context	-2...+2
β	Defending own solution. Reaction to critique. Answers	-3...+3	Full focus on Report. Active, substantial argumentation	-2...+2	Critical summarization and wrap up of the Stage	-1...+1
γ	Structured and persuasive presentation. Speaking skills	-3...+3	Structured and persuasive Opposition. Speaking skills	-2...+2	Structured and persuasive Review. Speaking skills	-1...+1
δ	Technicalities, visual aids, demonstrations, team help	-2...+3	Technicalities, visual aids to the Opposition, team help	-1...+2	Technicalities, visual aids to the Review, team help	-0...+1

Juror's Grades

	Stage I			Stage II			Stage III		
	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer
Starting	15	10	5	15	10	5	15	10	5
α	-3	-1	1	+1	+1	+1	+1	+2	+1
β	1	-1	1	-2	+1	0	1	0	0
γ	0	0	0	0	+2	0	0	0	0
δ	0	0	0	+1	0	0	0	0	0
Sum up the Starting Grade (15, 10, or 5) with all four Partial Grades, and write below your resulting Juror's Grade									
Juror's Grade	13	8	7	15	14	6	15	12	6
Juror's signature	Li Bin.			Li Bin			Li Bin.		

Please fill clearly and sign before showing your Grades. In case of discrepancy, this Protocol is considered correct (*IYNT Regulations*, Ch. 2, I, 8). No Grade can be corrected retroactively (*IYNT Regulations*, Ch. 1, IX, 1). This Protocol will be scanned and published. Before leaving the Science Fight room, please cross-check your Grades with Attendant's Science Fight Protocol and pass this Protocol to Chairperson in your Group.

Individual Juror's Protocol

Juror's name Li Ying Date 6.30 SF 2 Group C

	Overview of Science Fight		
	Stage I	**Stage II**	**Stage III**
Problem in the Stage	**Accepted:**	**Accepted:**	**Accepted:**
	Rejected, if any:	Rejected, if any:	Rejected, if any:
	Fill below the names of Teams and Presenters, and any Yellow Cards announced by Chairperson (NR, NP, or NT)		
Reporter	Angelina Zhuravleva	Tommy Alfre	Chen Tianyi
Opponent	TM. Zaki Acha.	Liyou	Sergey Glekov
Reviewer	Ke Guangan.	Polina Parinova	Karisa Marleman

Criteria for Partial Grades

	for Reporter	Range	for Opponent	Range	for Reviewer	Range
α	Essence of the solution. Results. Validity. Scientific methods. Vision of scientific context. Justified conclusions. *Main tasks*: novel ideas, depth. *Inv Yourself*: problem statement. *Additional*: cooperation, resourcefulness	-6...+6	Objective critique. Skeptical inquiry. Relevant, nontrivial, challenging questions. Analysis of Report. Justified opinions. Understanding of scientific context. Valid conclusions, suggestions	-4...+4	Impartial, weighted, analytical Review. Relevant, nontrivial questions. Own, justified conclusions on Report, Opposition, and discussion. Understanding of scientific context	-2...+2
β	Defending own solution. Reaction to critique. Answers	-3...+3	Full focus on Report. Active, substantial argumentation	-2...+2	Critical summarization and wrap up of the Stage	-1...+1
γ	Structured and persuasive presentation. Speaking skills	-3...+3	Structured and persuasive Opposition. Speaking skills	-2...+2	Structured and persuasive Review. Speaking skills	-1...+1
δ	Technicalities, visual aids, demonstrations, team help	-2...+3	Technicalities, visual aids to the Opposition, team help	-1...+2	Technicalities, visual aids to the Review, team help	-0...+1

	Juror's Grades								
	Stage I			**Stage II**			**Stage III**		
	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer	Reporter	Opponent	Reviewer
Starting	**15**	**10**	**5**	**15**	**10**	**5**	**15**	**10**	**5**
α	-5	+0	+2	+2	+2	+1	+7	+[illegible]	+1
β	+1	+0	+1	-2	+2	+1	+0	+1	-1
γ	-2	-1	+0	+1	+2	-1	+0	+2	+2
δ	+2	-1	+0	-1	+2	+0	+0	+1	-1
Sum up the Starting Grade (15, 10, or 5) with all four Partial Grades, and write below your resulting Juror's Grade									
Juror's Grade	11	8	8	15	18	6.	19	15	6
Juror's signature	Li Ying			Li Ying			Li Ying.		