



IGC 2021 Plenary Meeting

Agenda Item 10.3.2



Safety Working Group. Report to IGC Plenary 2021

ANNEX 1

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March, 2021

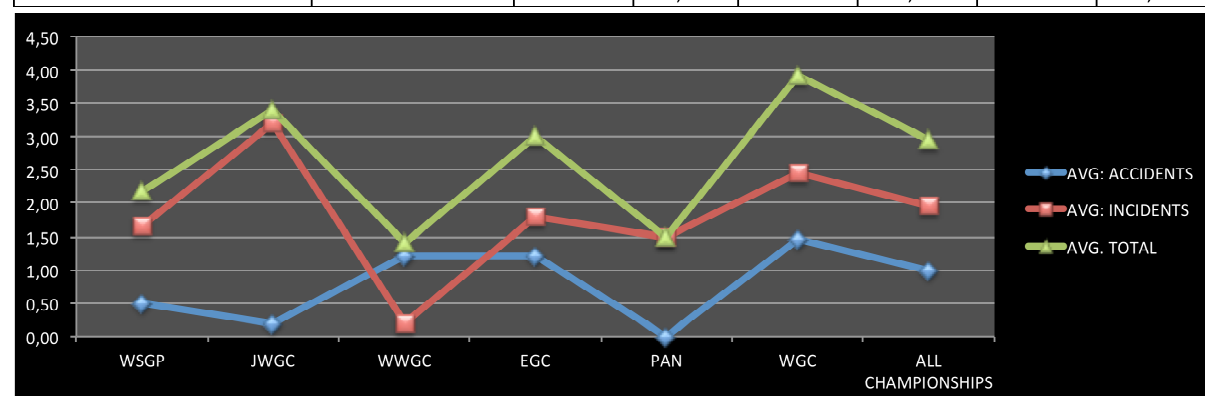
ANNEX 1

1.- Statistics:

a.- Accidents and Incidents per Championship (See 1.A for details):

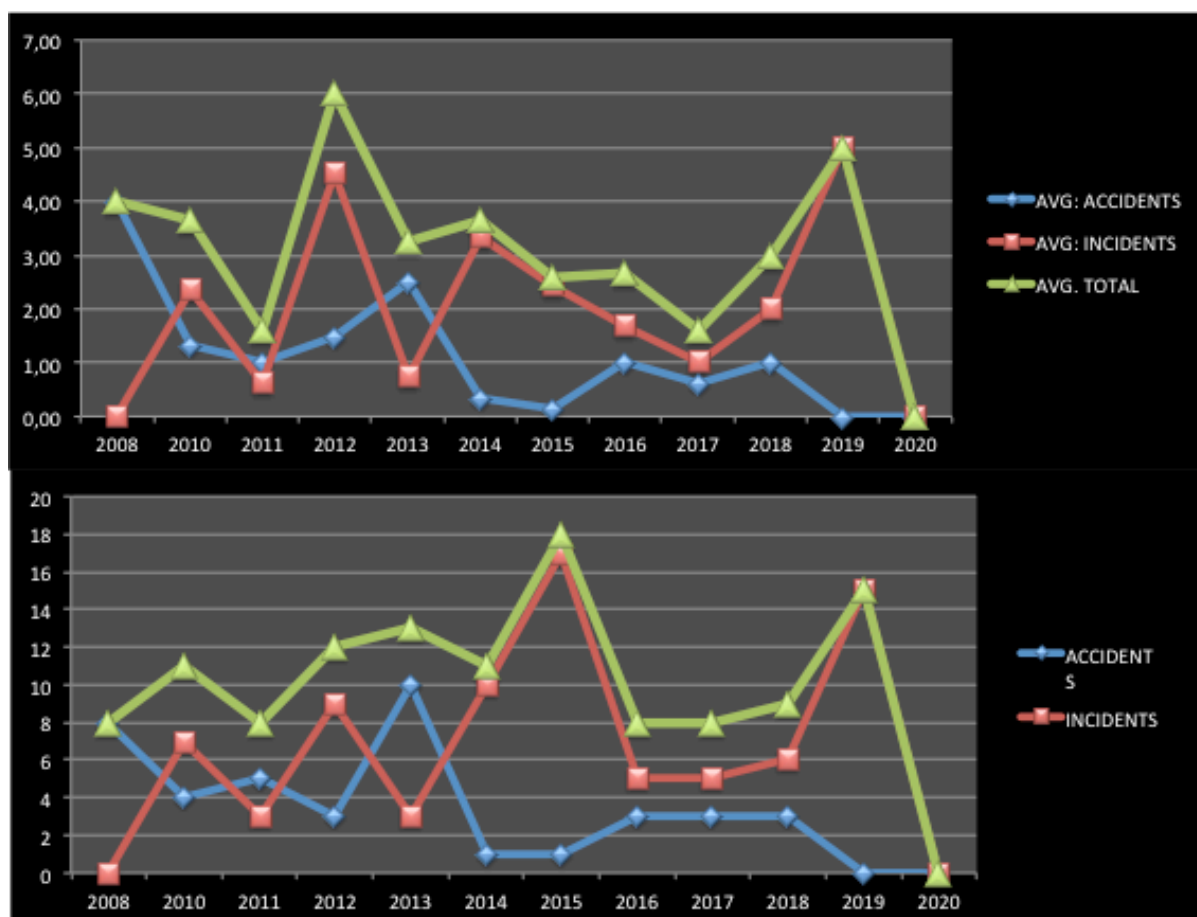
b.- Summary data per type of championship:

CHAMPIONSHIPS 2008 TO 2020	TOTAL CHAMP.	ACCIDENTS	AVG. ACC.	INCIDENTS	AVG. INC.	TOTAL	AVG. TOT.
WSGP	6	3	0,50	10	1,67	13	2,17
JWGC	5	1	0,20	16	3,20	17	3,40
WWGC	5	6	1,20	1	0,20	7	1,40
EGC	10	12	1,20	18	1,80	30	3,00
PAN	2	0	0,00	3	1,50	3	1,50
WGC	13	19	1,46	32	2,46	51	3,92
ALL CHAMPIONSHIPS	41	41	1,00	80	1,95	121	2,95



c.- Statistics per year (*2009 is not included):

	TOTAL CHAMP.	ACCIDENTS	AVG. ACC.	INCIDENTS	AVG. INC.	TOTAL	AVG. TOT.	Delta
2008	2	8	4,00	0	0,00	8	4,00	
2010	3	4	1,33	7	2,33	11	3,67	-8%
2011	5	5	1,00	3	0,60	8	1,60	-56%
2012	2	3	1,50	9	4,50	12	6,00	275%
2013	4	10	2,50	3	0,75	13	3,25	-46%
2014	3	1	0,33	10	3,33	11	3,67	13%
2015	7	1	0,14	17	2,43	18	2,57	-30%
2016	3	3	1,00	5	1,67	8	2,67	4%
2017	5	3	0,60	5	1,00	8	1,60	-40%
2018	3	3	1,00	6	2,00	9	3,00	88%
2019	3	0	0,00	15	5,00	15	5,00	67%
2020	1	0	0,00	0	0,00	0	0,00	-100%



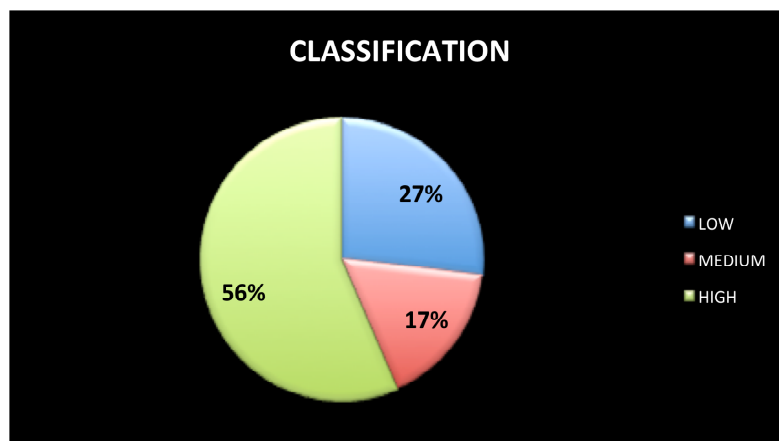
d.- Classification of accidents and incidents:

By main groups:

CHAMPIONSHIPS 2008 TO 2020	ACC+INC
Landing	39%
Dangerous flying (gaggles, starting)	13%
Approaching flying stage	8%
Mid air collision	8%
Collisions (not mid air)	4%

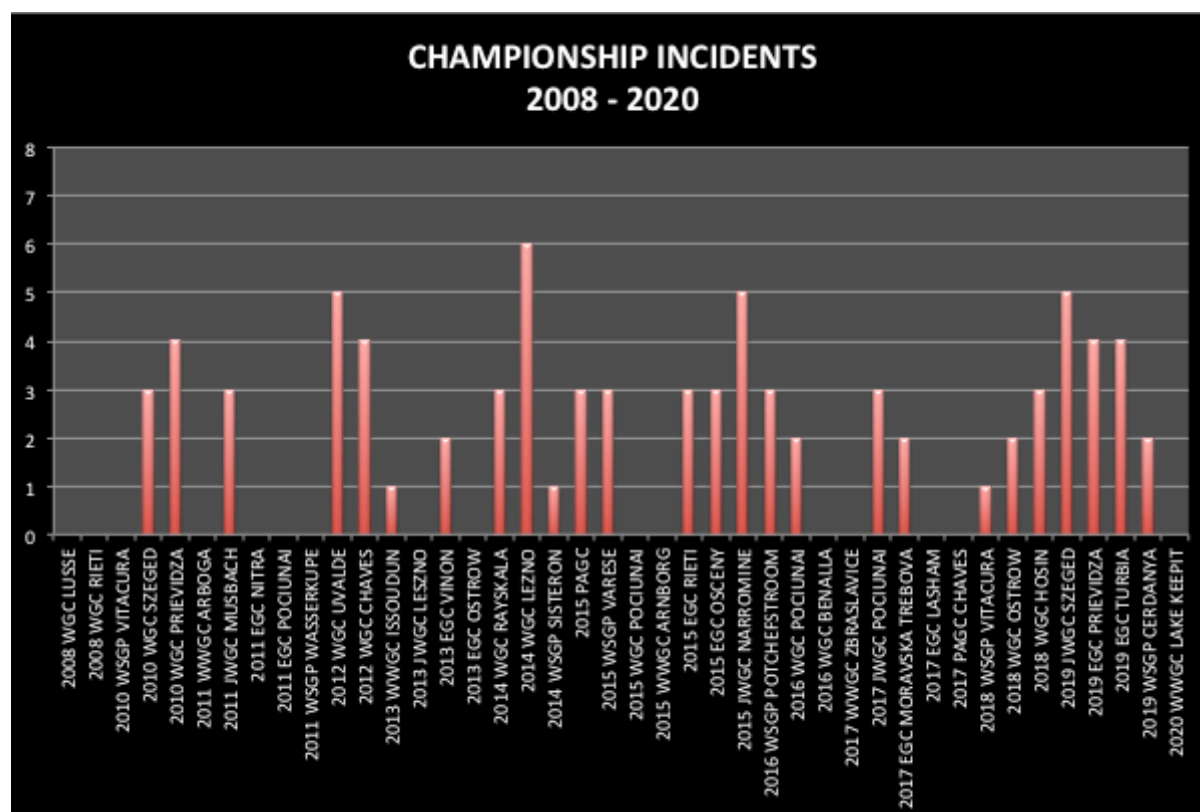
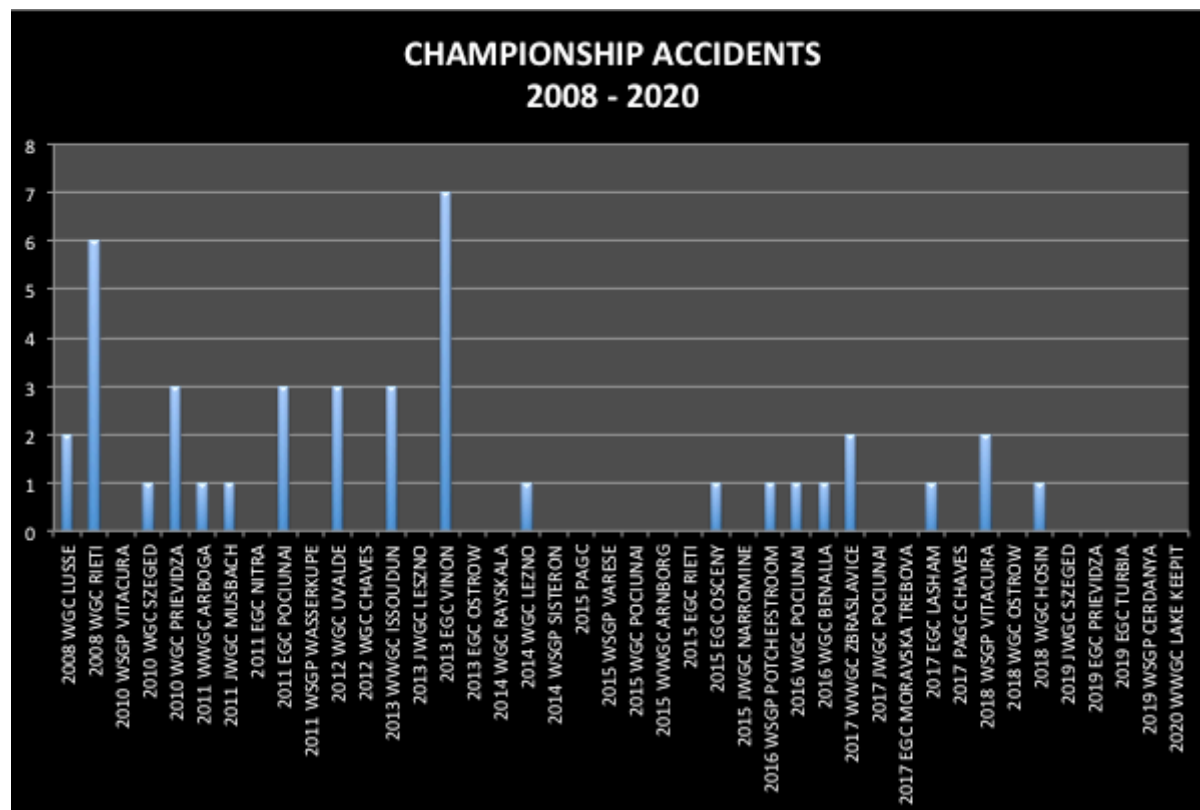
Accidents and Incidents per Classification (See 1.B for adopted criteria):

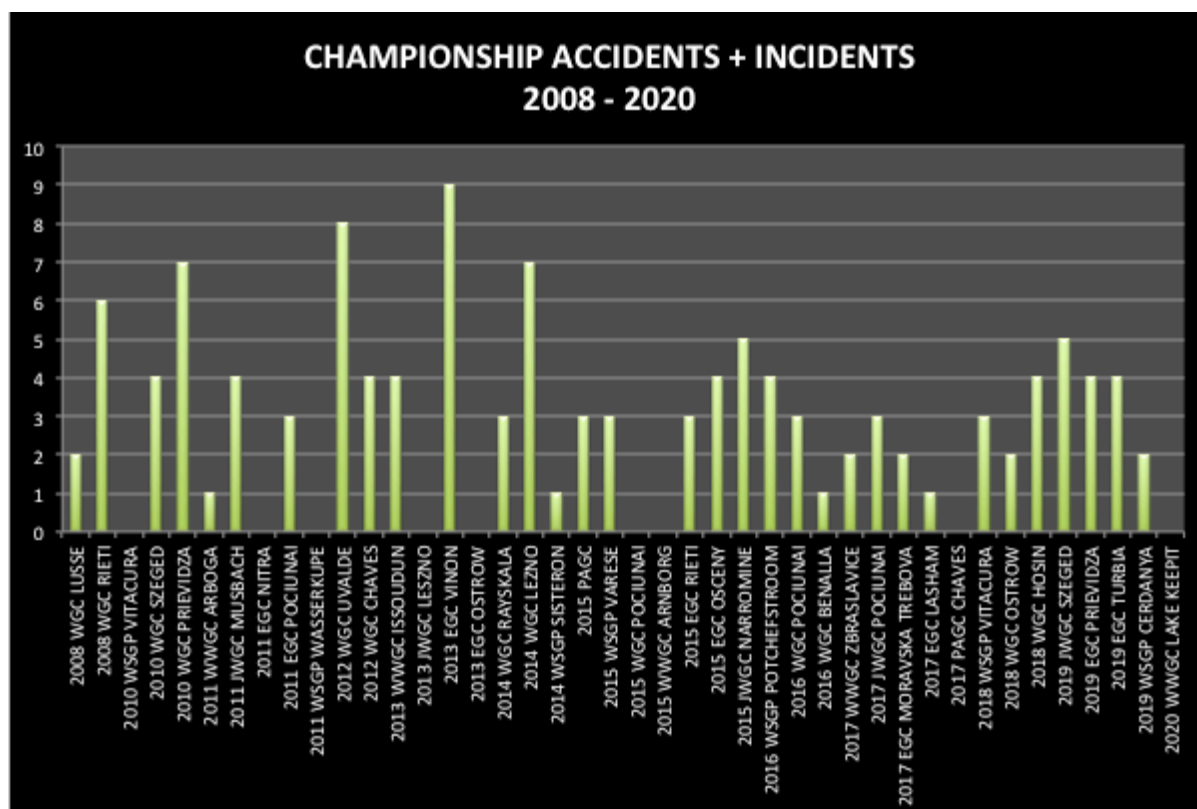
CHAMPIONSHIPS 2008 TO 2020		ACCIDENTS	INCIDENTS	ACC+INC	TOTAL ALL CHAMP. (ACC+INC)	% ALL CHAMP.
LOW		1	28	29	108	27%
LANDING/LAUNCHING	Landing wheel up		10			9%
	Hard landing		9			8%
	Checking engine		1			1%
	Hard launching	1				1%
OTHERS	Others		8			7%
MEDIUM		9	9	18		17%
ARRIVING / FINAL STAGE	Flying low arriving		4			4%
	Hard landing	5	3			7%
	Take outlanding		1			1%
FLYING	Mid air collision	2				2%
LAUNCHING	Grid staff hit while launching		1			1%
OTHERS	Ground operation	2				2%
HIGH		31	30	61		56%
FLYING	Mid air collision/near miss	4	4			7%
	Spin unrecovered	1				1%
	Flying pattern	2	2			4%
	Flying in clouds		1			1%
	Before starts		3			3%
	Dangerous flying gaggles		7			6%
	Collided to mountain	3				3%
ARRIVING / FINAL STAGE	Collided with house	1				1%
	Final turn		3			3%
	Hazardous approaching		3			3%
	Collided on final glide	4				4%
LANDING/LAUNCHING	Self launching problem	4	2			6%
	Hard landing	11	4			14%
OTHERS	Car/retrieve	1	1			2%



1.A:

Summary per Championship:





1.B:

Criteria used to classify the events in the reports:

	ACCIDENT		
	LOW	MEDIUM	HIGH
PILOT OR ANYBODY IN THE COMPETITION (PUBLIC, STAFF, MEDIA, ETC.)	Small injuries. No medical attention	Injured pilot. Some scratches. Medical attention on airfield only.	Severely injured, medical attention on Hospital or even killed
GLIDER	Slight damage. Fixed overnight	Damage to glider: parts to be changed. Not easy to fix, but still on competition. Maybe skips one or two days of competition	Severely damaged. Glider out of competition
THINGS AROUND THE AIRFIELD OR OUTLANDING FIELD (cables, animals, irrigation, poles, houses, glider trailers)	Slight damage	Things that can be fixed fast and does not require resources.	Huge damage. Normally requires important resources, time and money

Note: This is just a guidance for statistics purposes. An accident can have a mixture of above classification, to be selected by IGC Steward when making report as per his/her judgment.