



## **IGC 2022 Plenary Meeting**

### **Agenda Item 7.3.2**



**Safety Working Group. Report to IGC Plenary 2022**

**ANNEX 1**

René Vidal

March, 2022

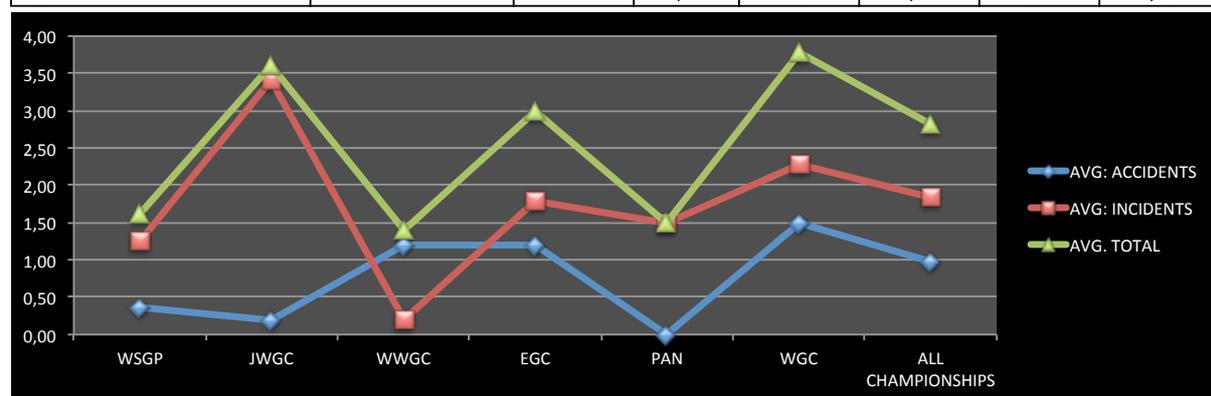
# ANNEX 1

## 1.- Statistics:

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

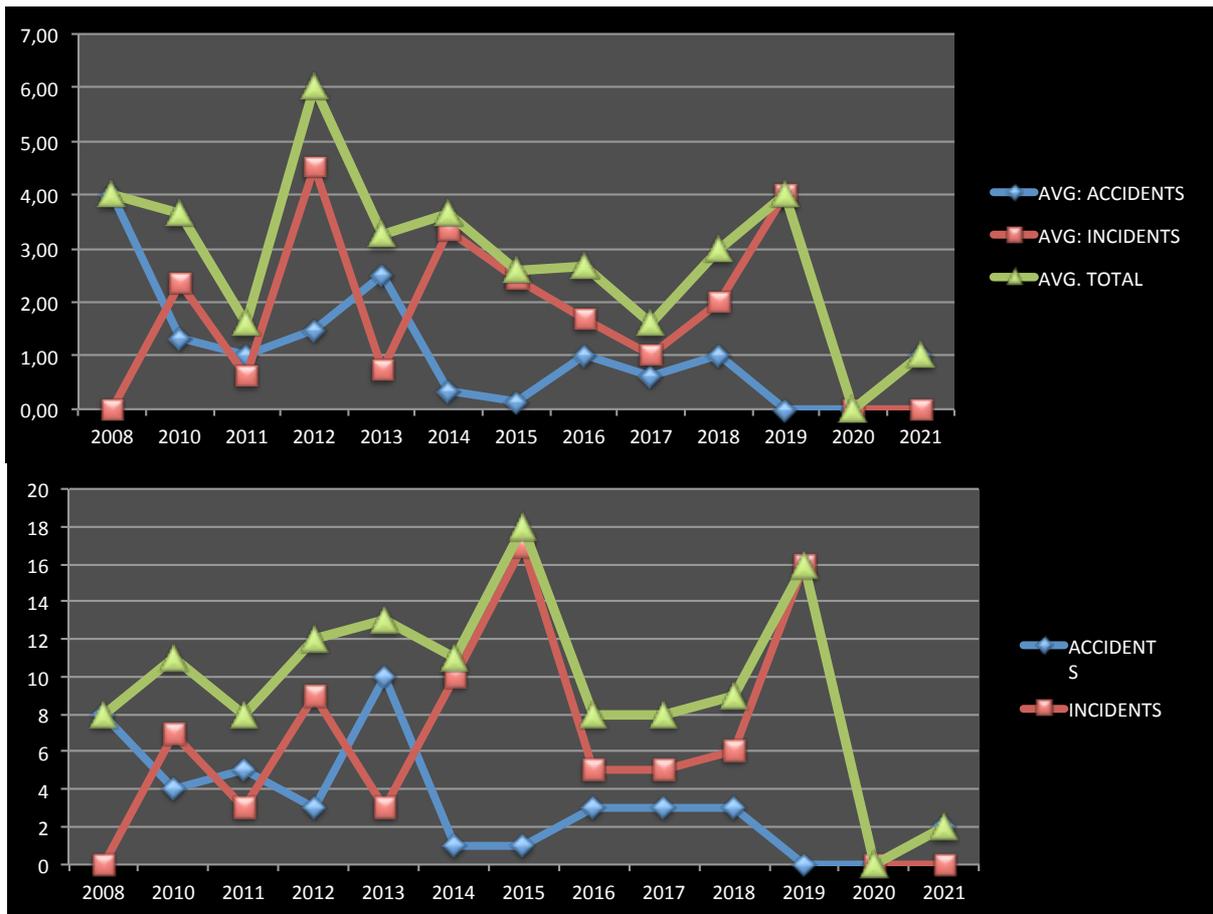
b.- Summary data per type of championship:

CHAMPIONSHIPS 2008 TO 2021	TOTAL CHAMP.	ACCIDENTS	AVG. ACC.	INCIDENTS	AVG. INC.	TOTAL	AVG. TOT.
WSGP	8	3	0,38	10	1,25	13	1,63
JWGC	5	1	0,20	17	3,40	18	3,60
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	14	21	1,50	32	2,29	53	3,79
ALL CHAMPIONSHIPS	44	43	0,98	81	1,84	124	2,82



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	4	0	0,00	16	4,00	16	4,00	33%
2020	1	0	0,00	0	0,00	0	0,00	-100%
2021	2	2	1,00	0	0,00	2	1,00	-75%



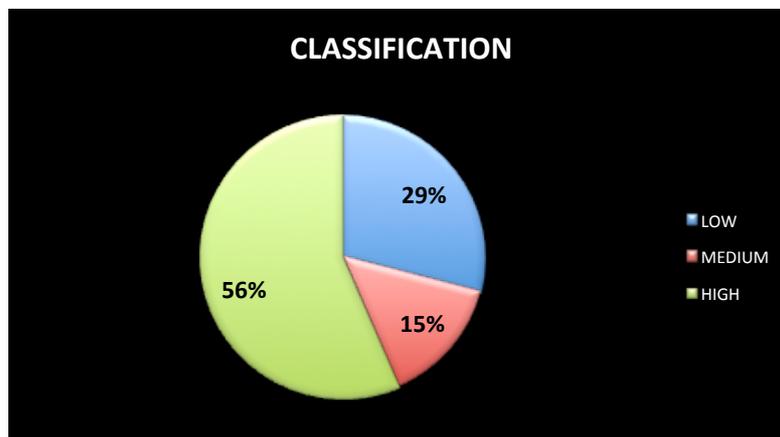
d.- Classification of accidents and incidents:

By main groups:

CHAMPIONSHIPS 2008 TO 2021	ACC+INC
Landing	38%
Dangerous flying	16%
Mid air collision	10%
Approaching flying stage	6%
	70%

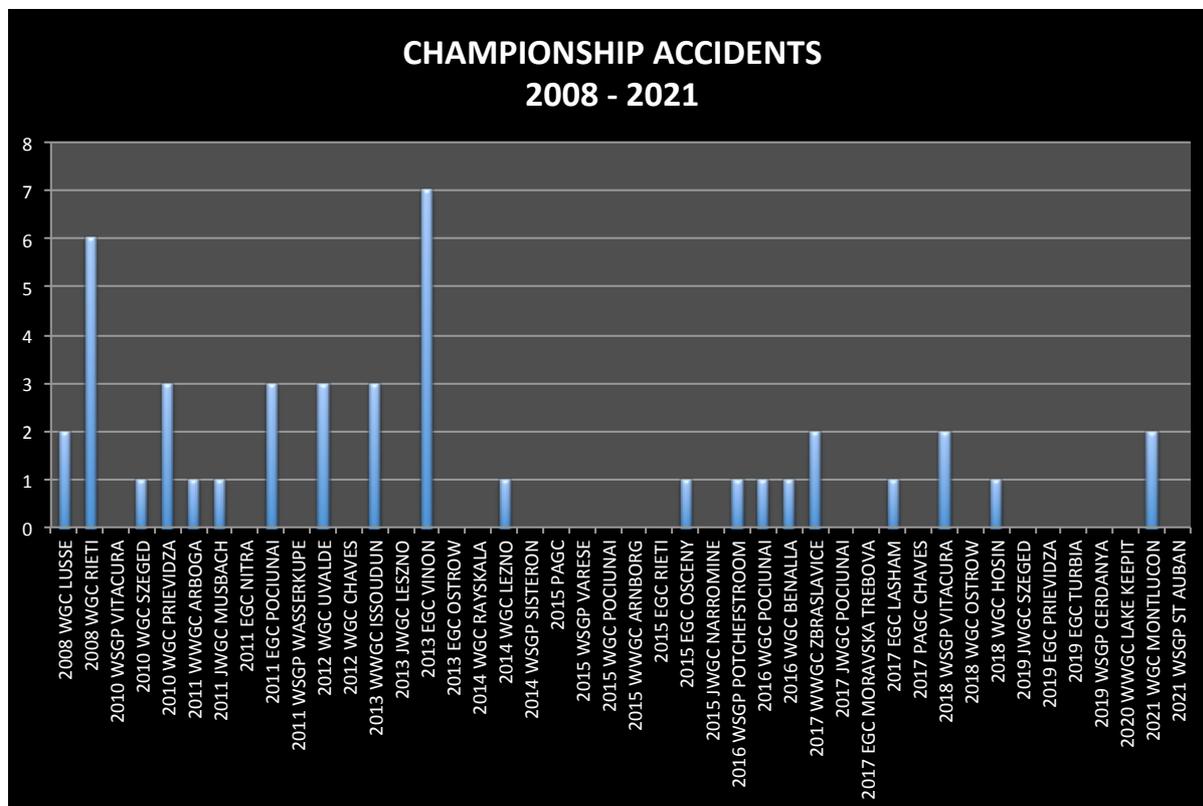
Accidents and Incidents per Classification (See 1.B for adopted criteria):

CHAMPIONSHIPS 2008 TO 2021		ACCIDENTS	INCIDENTS	ACC+INC	TOTAL ALL CHAMP. (ACC+INC)	% ALL CHAMP.
<b>LOW</b>		1	35	36	124	29%
LANDING/LAUNCHING	Landing wheel up		17			14%
	Hard landing/outlanding		8			6%
	Checking engine		1			1%
	Hard launching	1				1%
OTHERS	Others		9			7%
<b>MEDIUM</b>		9	9	18		15%
ARRIVING / FINAL STAGE	Flying low arriving		4			3%
	Hard landing	5	3			6%
	lake outlanding		1			1%
FLYING	Mid air collision	2				2%
LAUNCHING	Grid staff hit while launching		1			1%
OTHERS	Ground operation	2				2%
<b>HIGH</b>		33	37	70		56%
FLYING	Mid air collision/near miss	5	6			9%
	Spin unrecovered	1				1%
	Flying pattern	2	1			2%
	Cloud flying		3			2%
	Hazardous manoeuvring		14			11%
	Dangerous flying/gaggles		6		5%	
	Collided to mountain	3			2%	
ARRIVING / FINAL STAGE	Collided with house	1			1%	
	Final turn		1		1%	
	Hazardous approaching		1		1%	
	Collided on final glide	4			3%	
LANDING/LAUNCHING	Self launching problem	4	1		4%	
	Launching	1	1		2%	
	Hard landing/outlanding	11	3		11%	
OTHERS	Car/retrieve	1			1%	

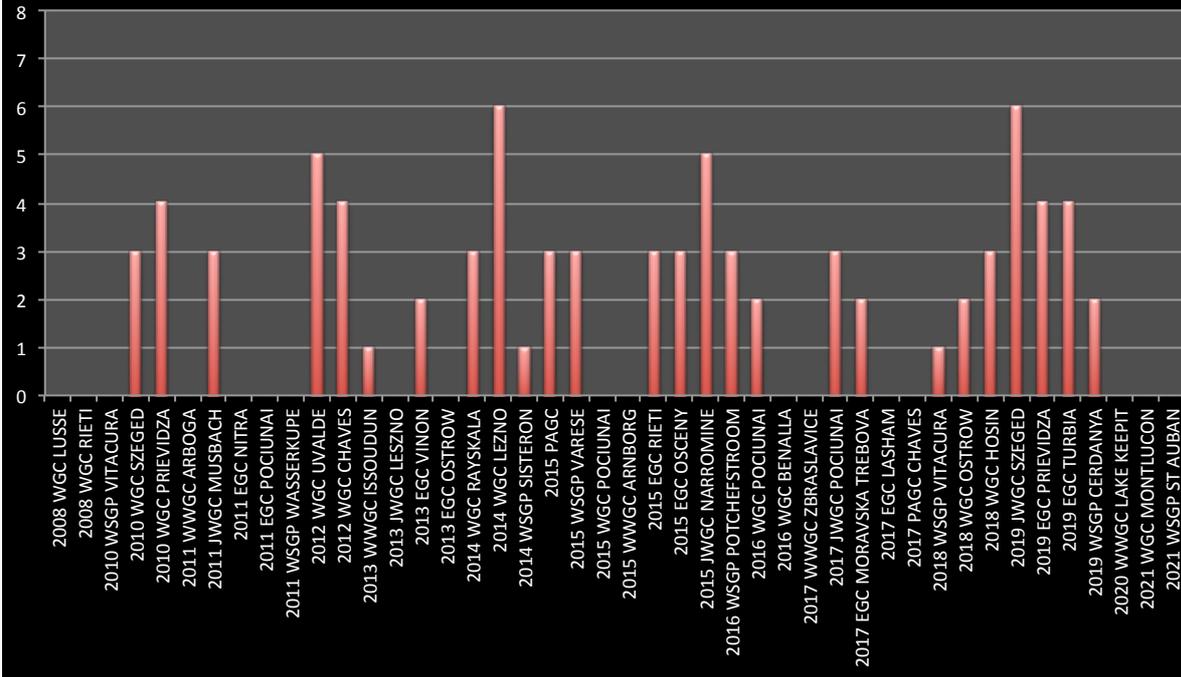


## 1.A:

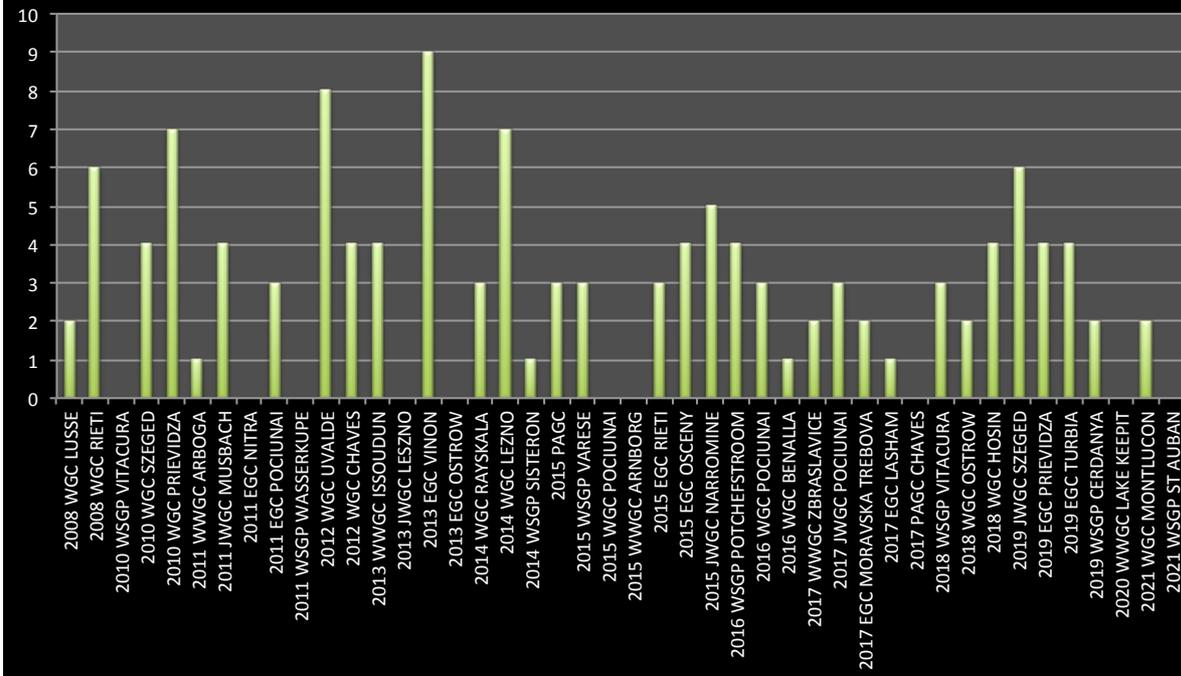
Summary per Championship:



## CHAMPIONSHIP INCIDENTS 2008 - 2021



## CHAMPIONSHIP ACCIDENTS + INCIDENTS 2008 - 2021



## 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.