

Ground Safety

IACA aircraft ground damage database and results – 2nd report

**presented at ECAST #3/08
15 October 2008, Köln, Germany**



The International Air Carrier Association

IACA airlines



Damage reporting

Minimum data required

- date
- airport IATA code (ev. ICAO designation)
- aircraft type
- short damage description
- injuries ?
- was damage reported when occurred ?
- what caused the damage : e.g. steps, towing, baggage loaders... (company ?)
- hours unserviceable
- cost incurred (EUR or USD)
- free text additional remarks

In case no damage experienced, tell us

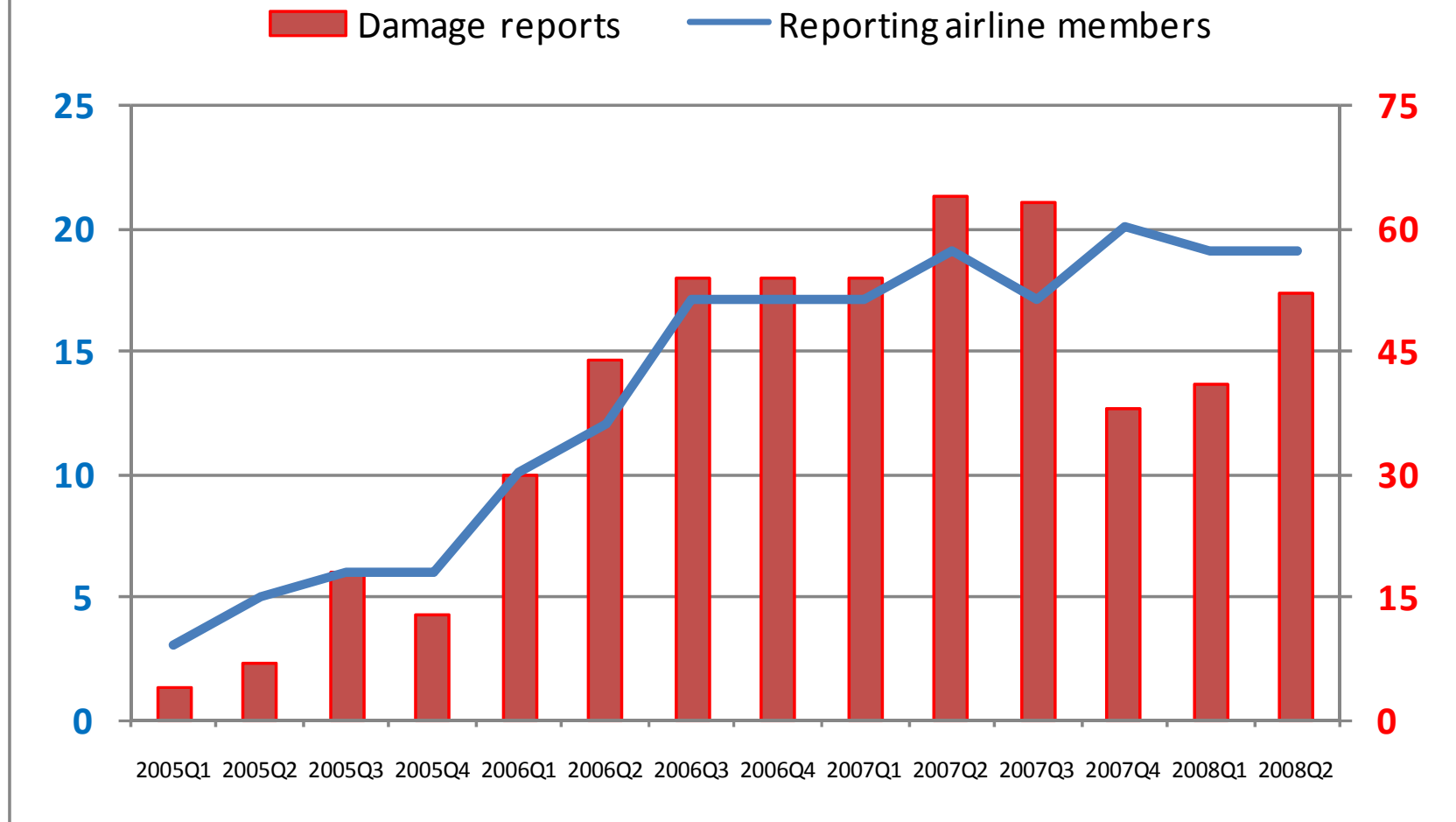
Aircraft Damage Database



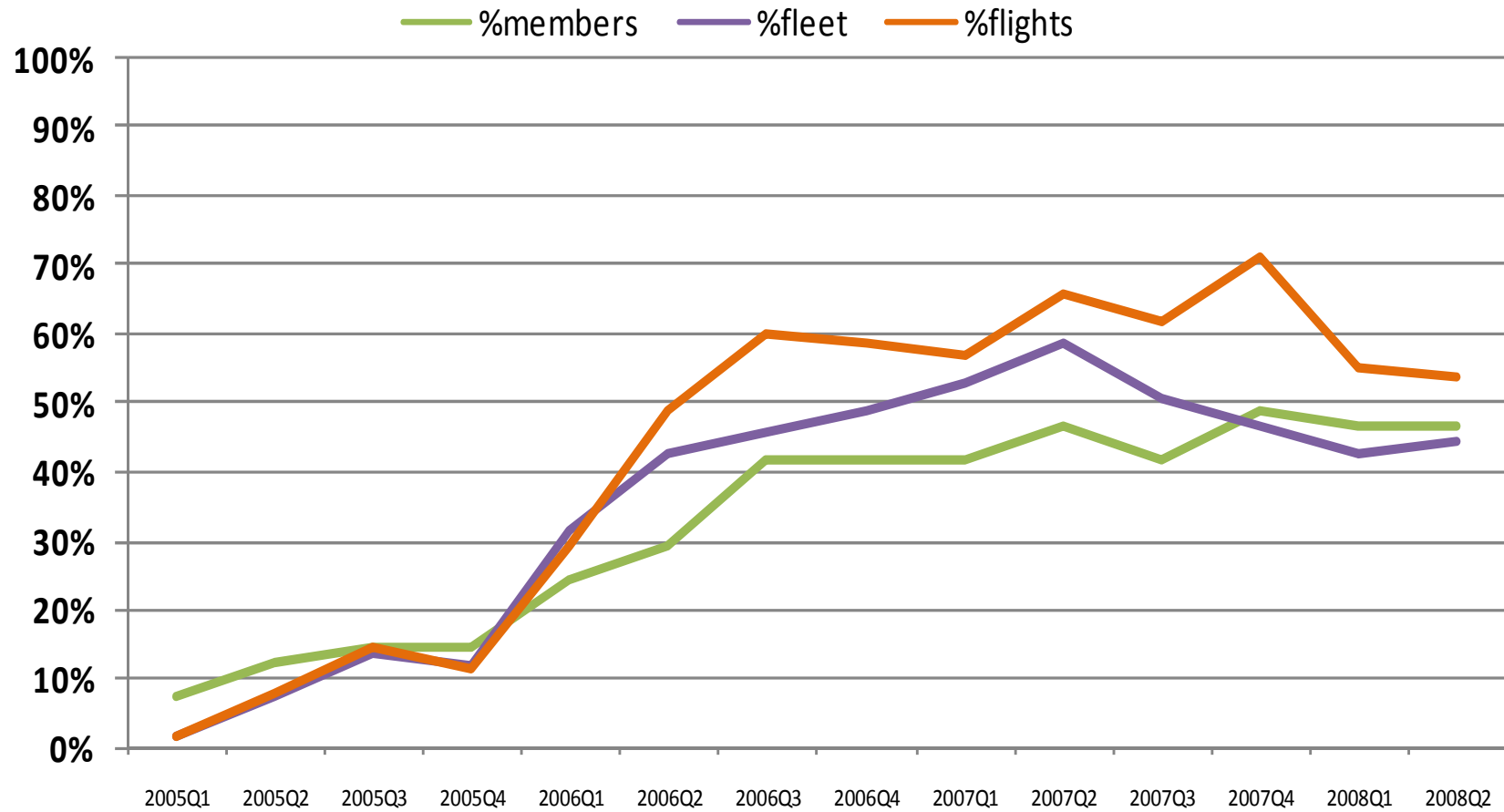
Enhanced participation

	Aug 2006	Mar 2007	July 2007	Sep 2008
AO's	10	11	15	24
	29%	31%	43% (56% of a/c)	59% (75% of a/c)
Flights	127.945	378.012	820.531	1.613.470
IACA flights	24%	35%	57%	45% (71% 2007Q4)
Damage Rate/ 1000 flights	0.57	0.33	0.29	0.332
Reports	73	128	234	536
Unreported damage/ 1000 flights	0.12	0.07	0.06	0.065
Unreported Damage	21%	21%	21%	20%

536 ground damage reports



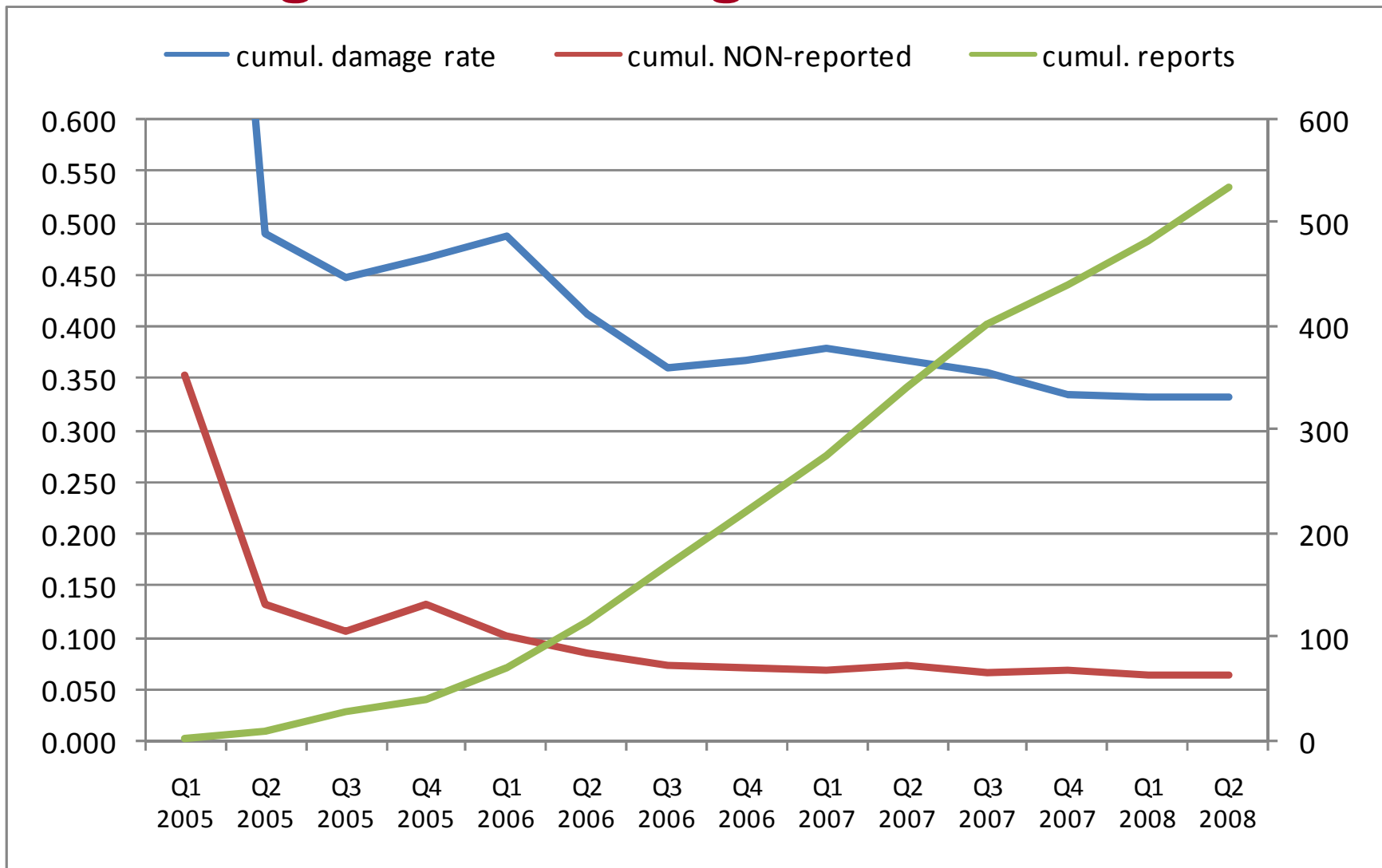
participation to damage database



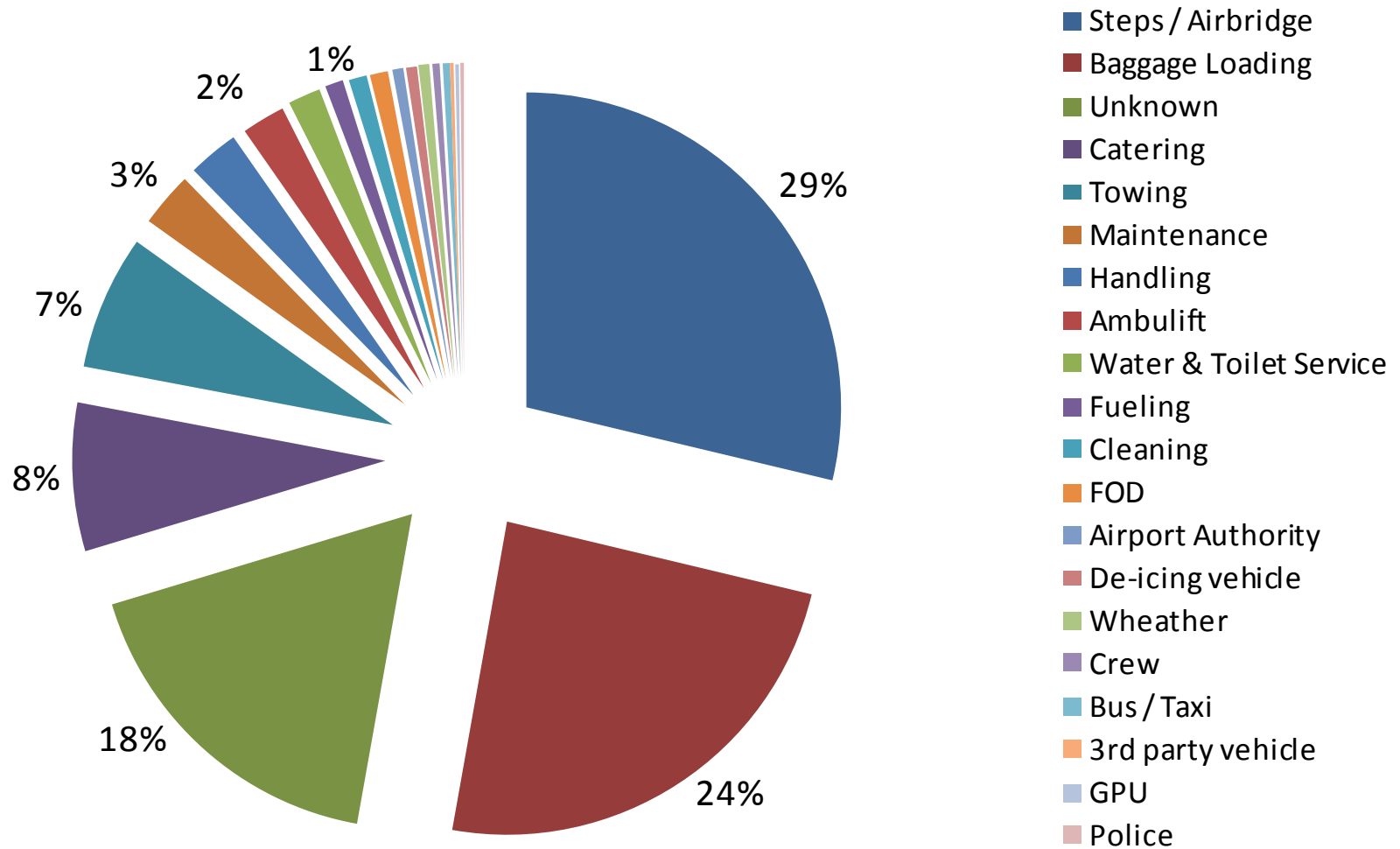
Aircraft Damage Database



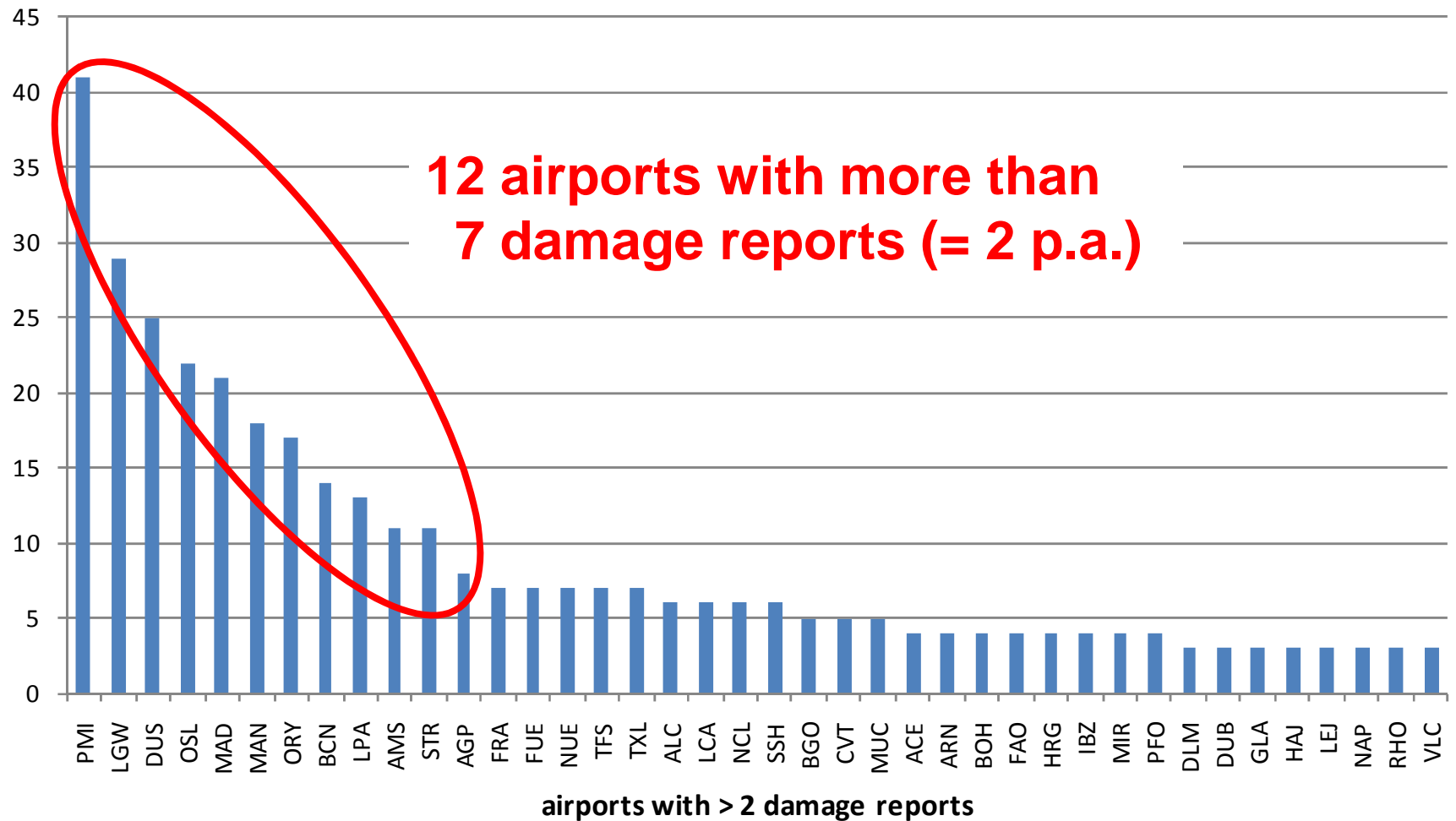
Aircraft ground damage rate



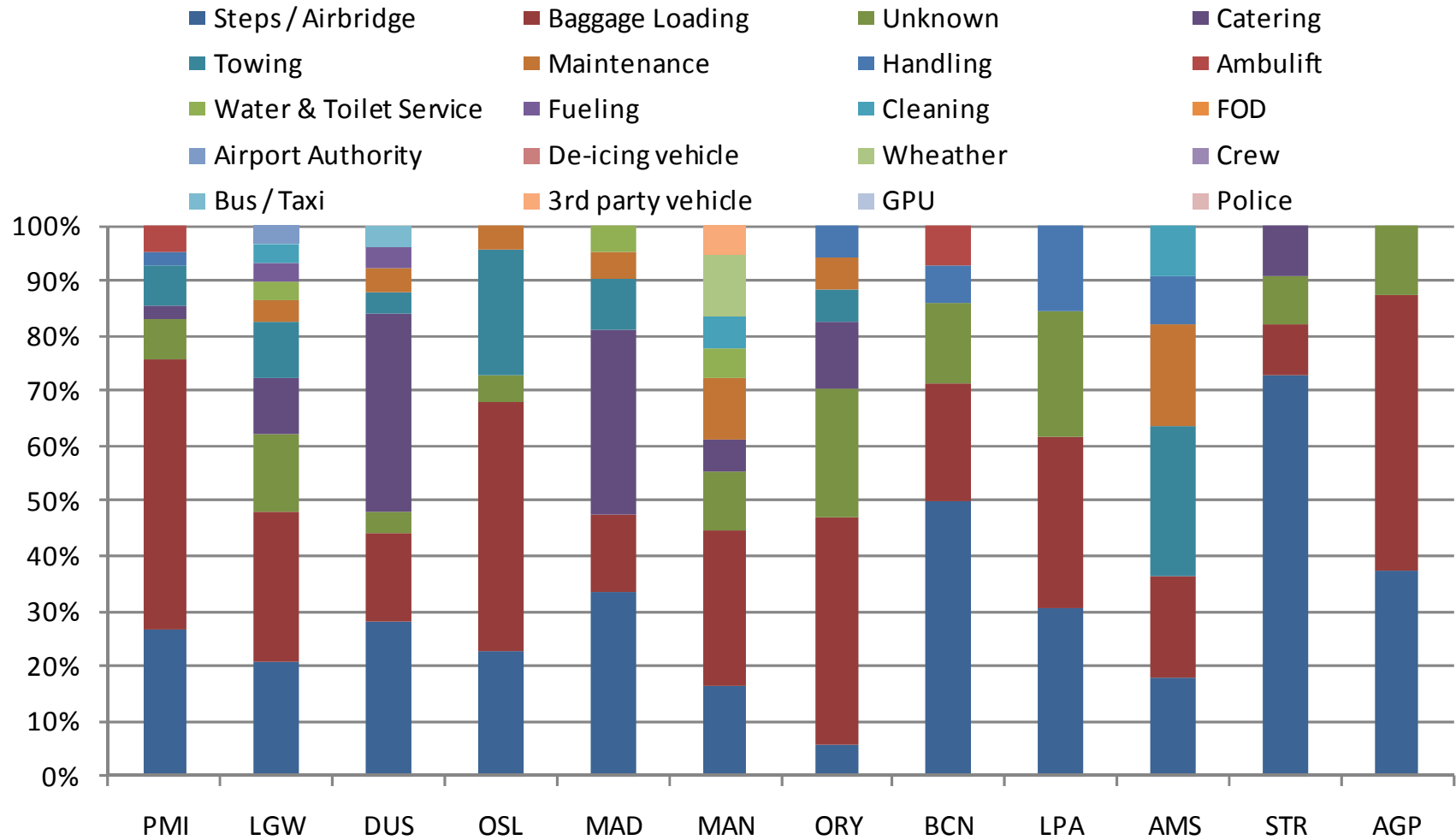
Damage causes 536 reports



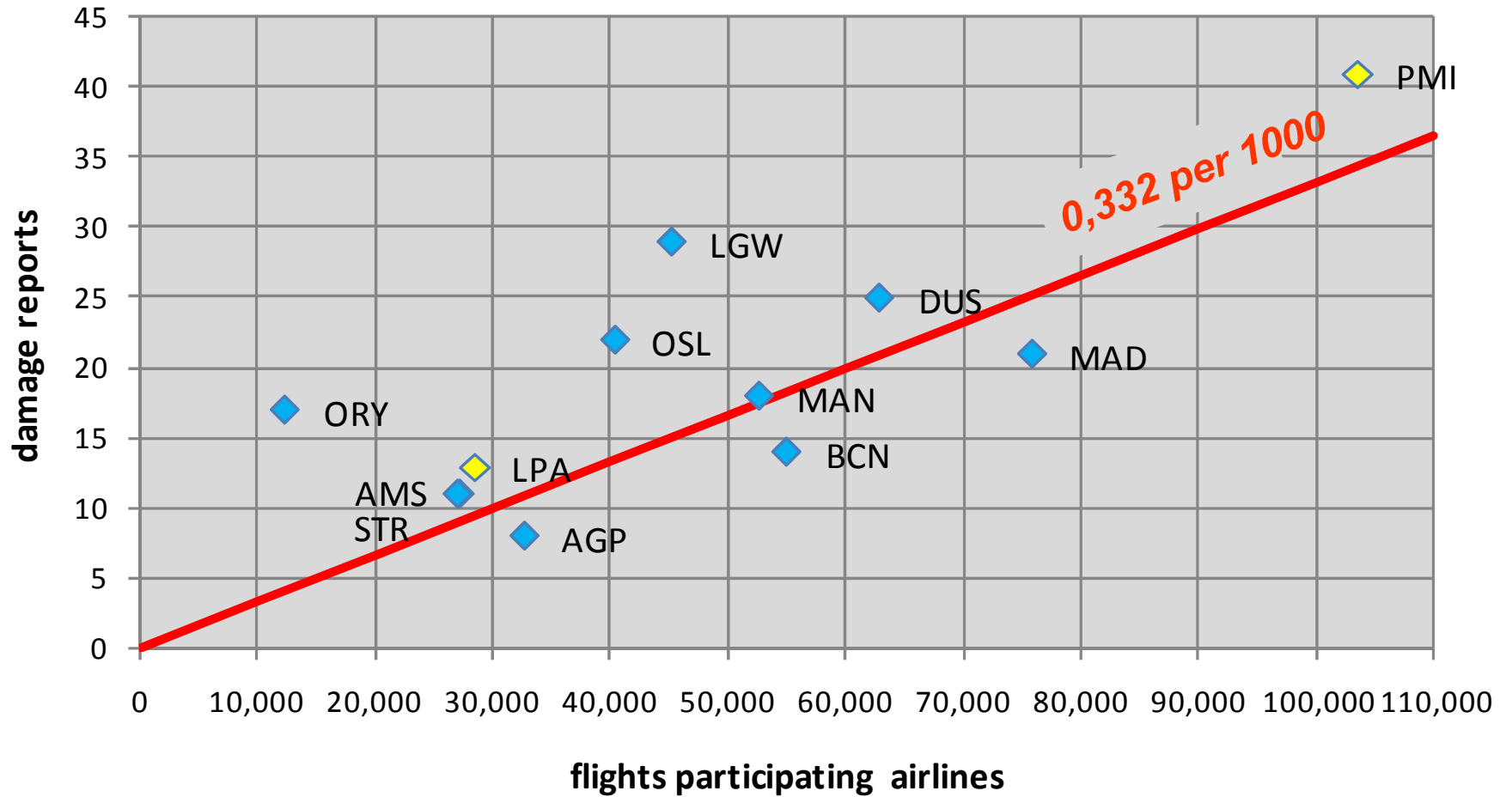
2005Q1 - 2008Q2 : 536 damage reports



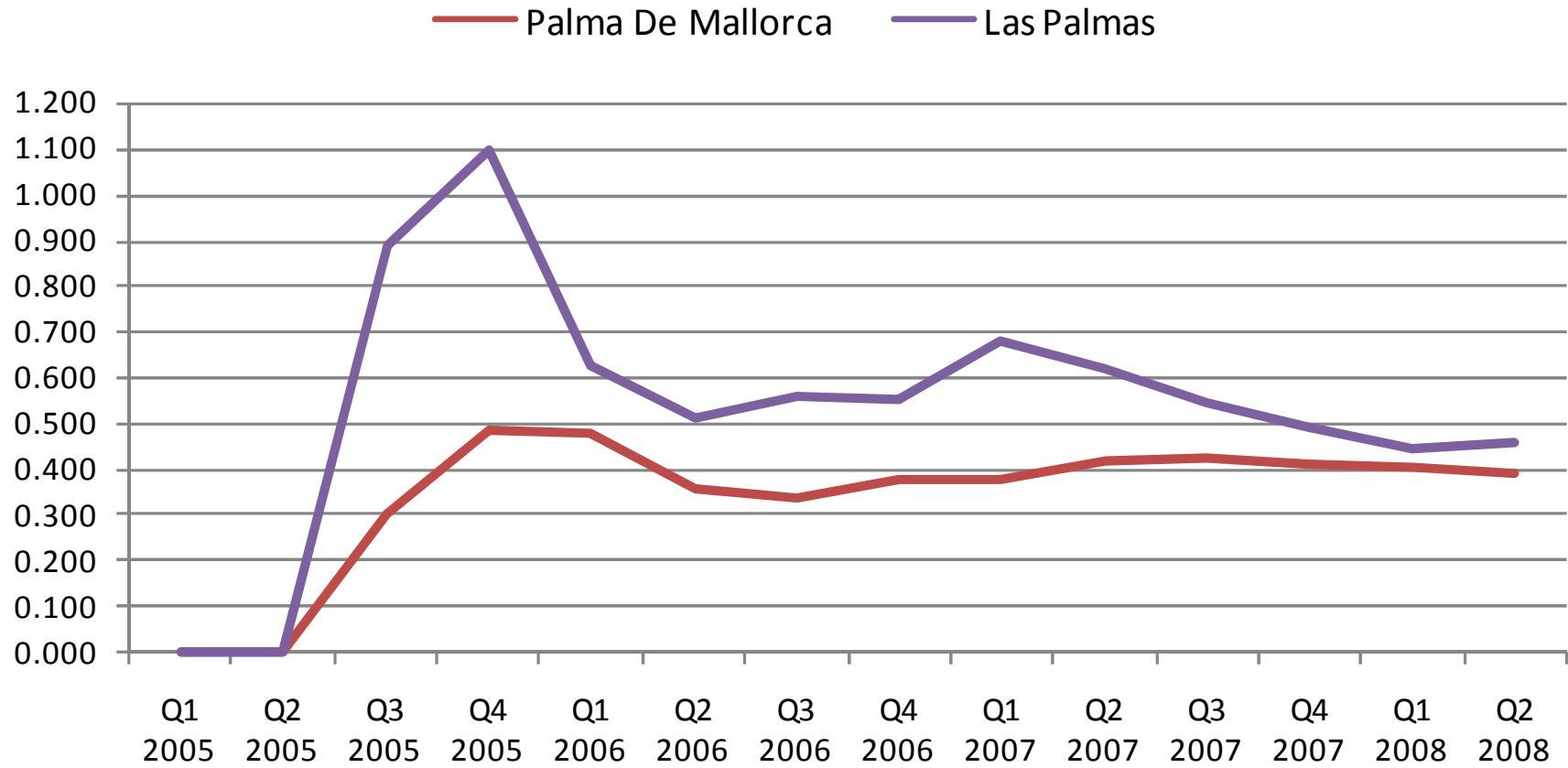
Damage causes Top 12 airports



Top 12 airports incident rate



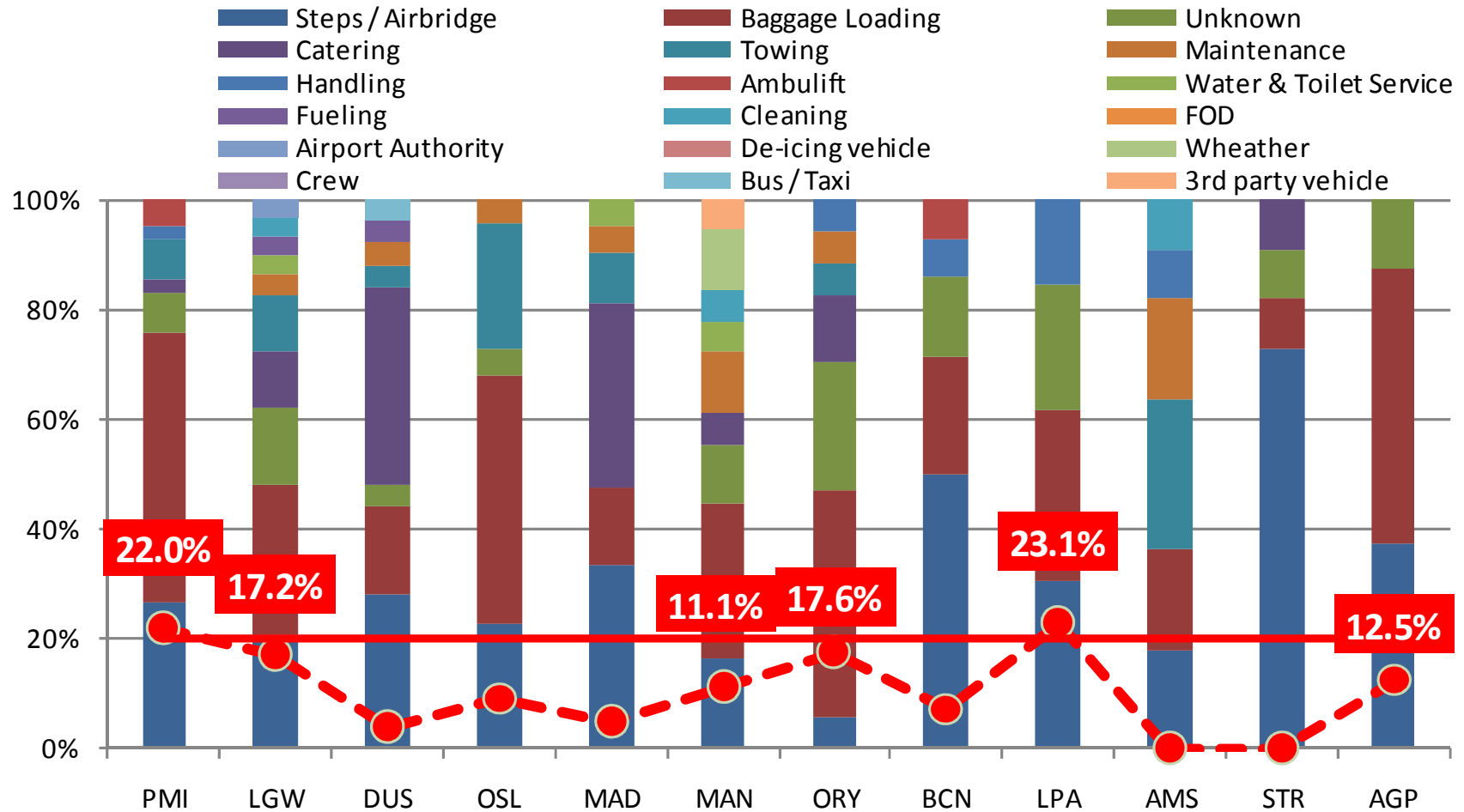
Cumulative damage rate



Economical impact

	hours unservicable	cost EUR/USD
reports	183 34%	201 38%
minimum	0.5	25
maximum	1,440 (2 months)	3,500,000 (5 over 1 Mio)
average	62.45	75,427

Damage causes Top 12 airports

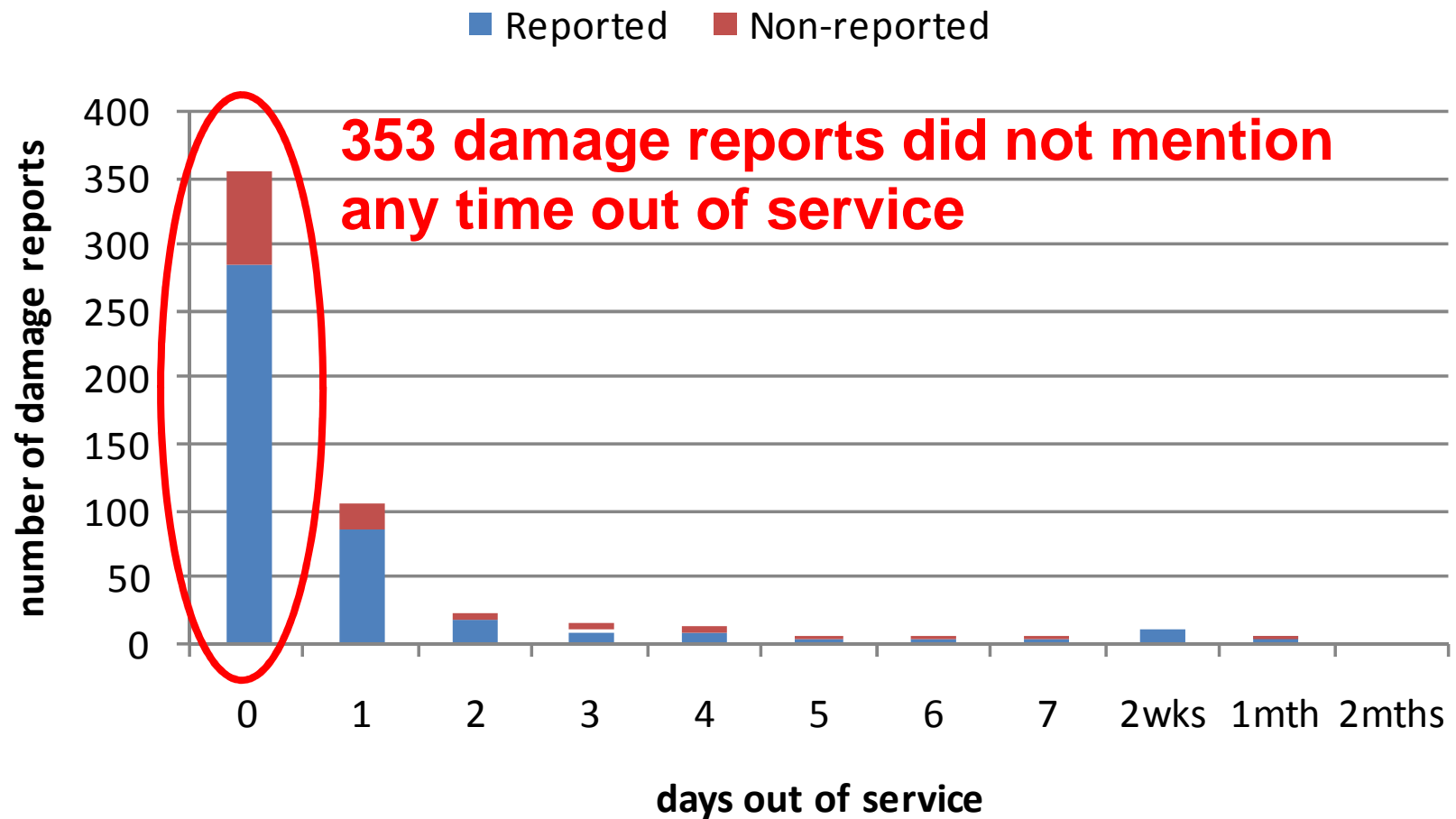


IACA database: on average 20% of damage is NOT reported

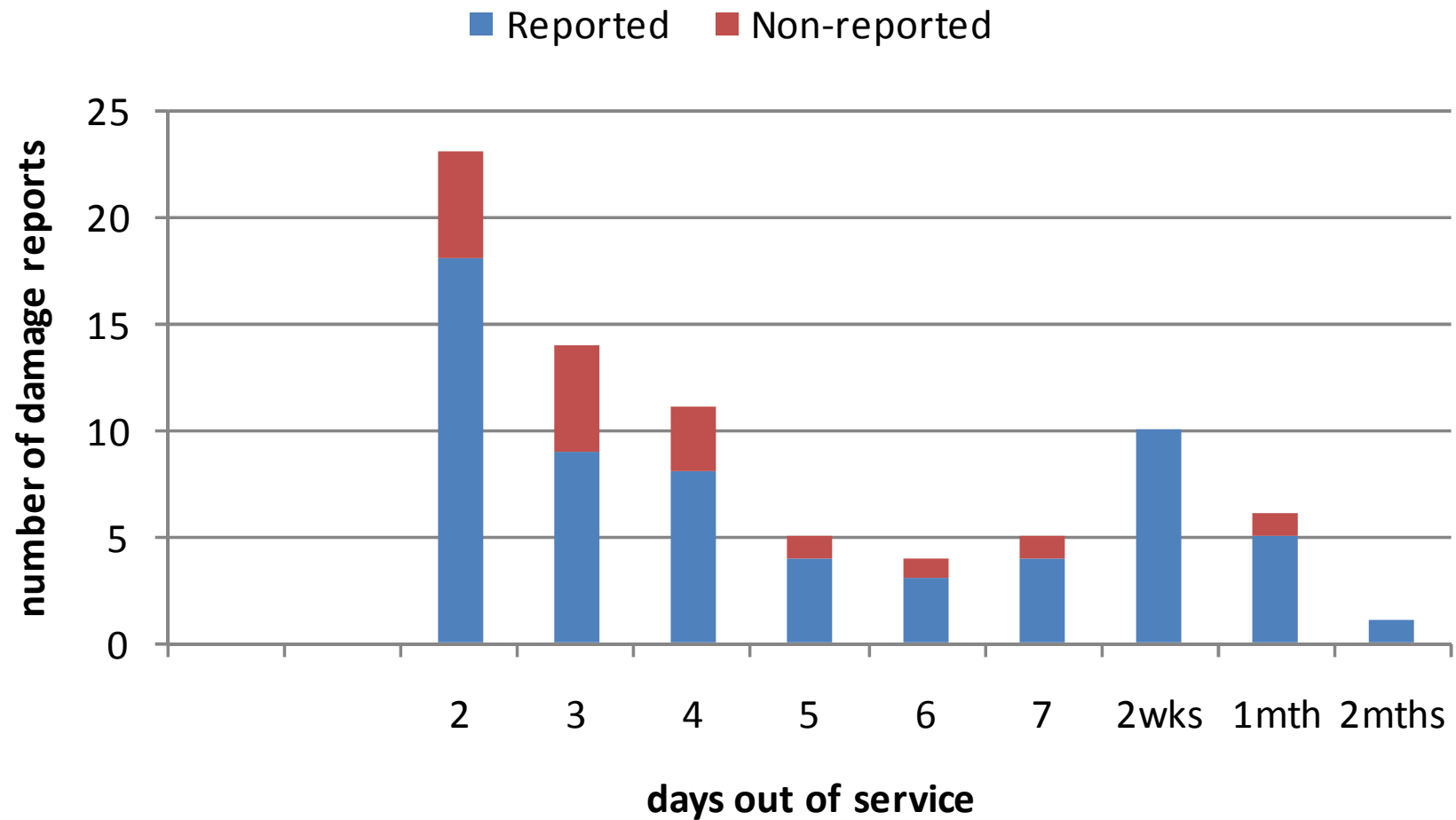
Aircraft Damage Database



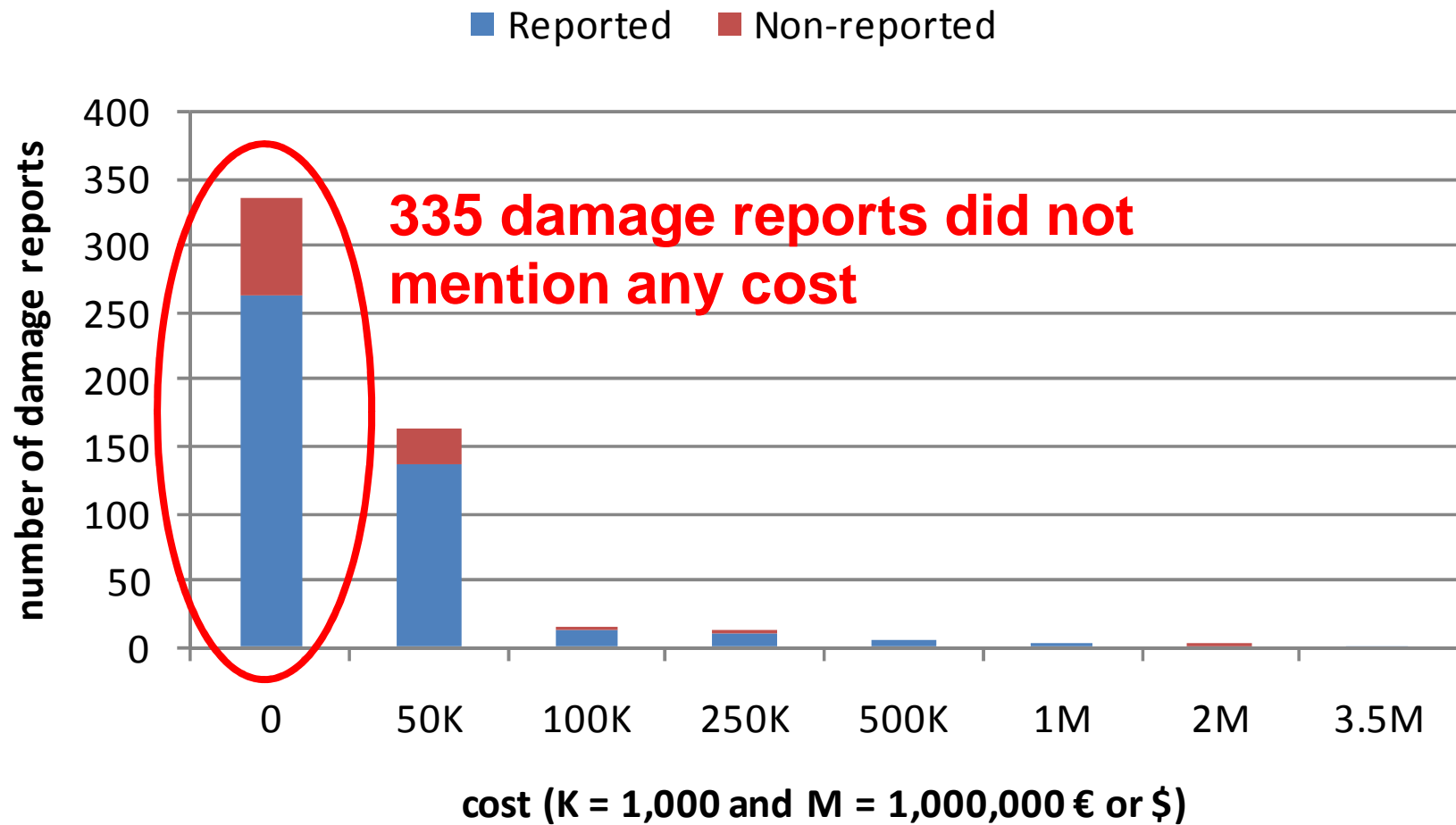
Downtime damaged aircraft



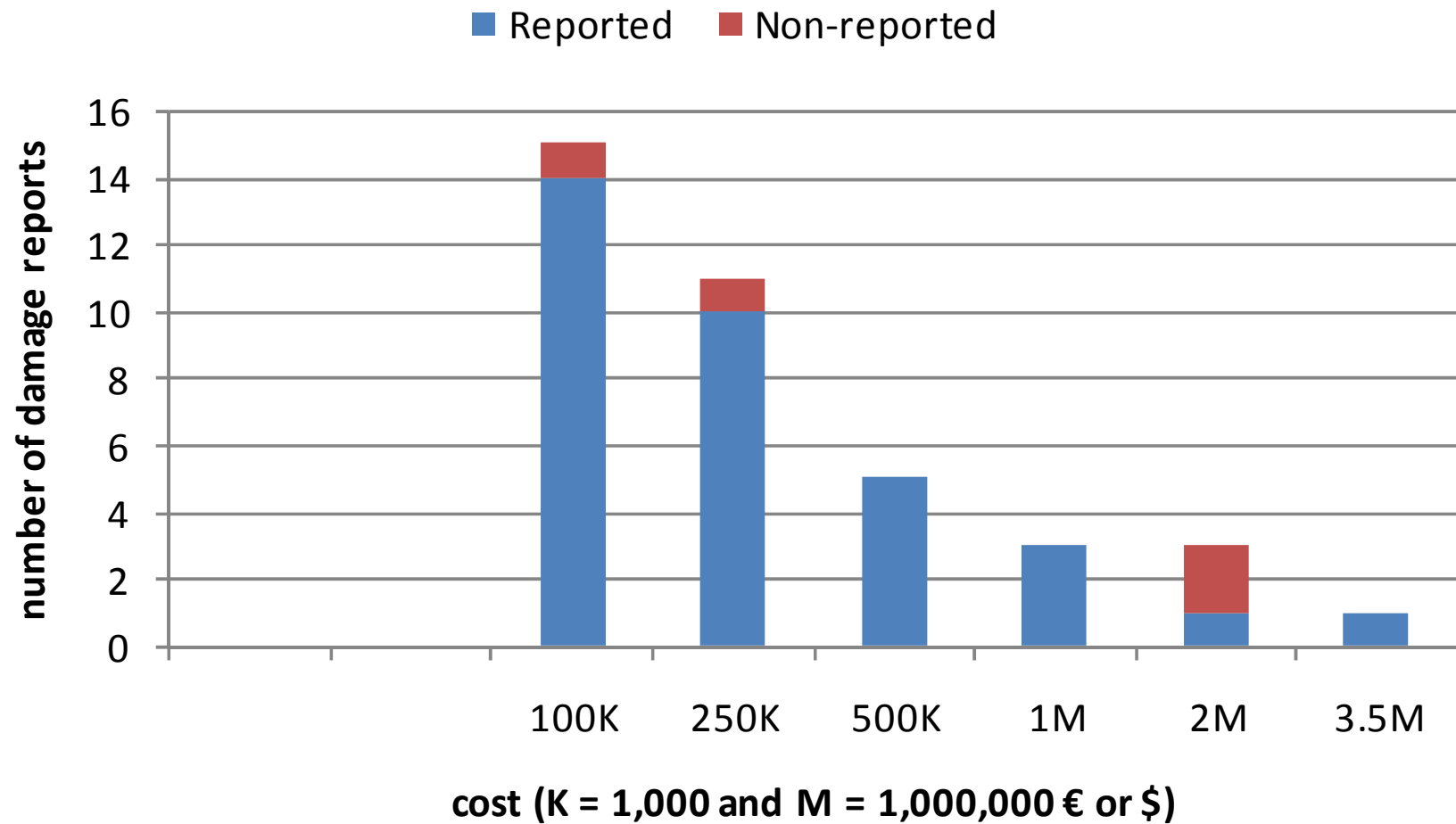
Downtime damaged aircraft



Costs damaged aircraft



Costs damaged aircraft





IACA Associate Members:

