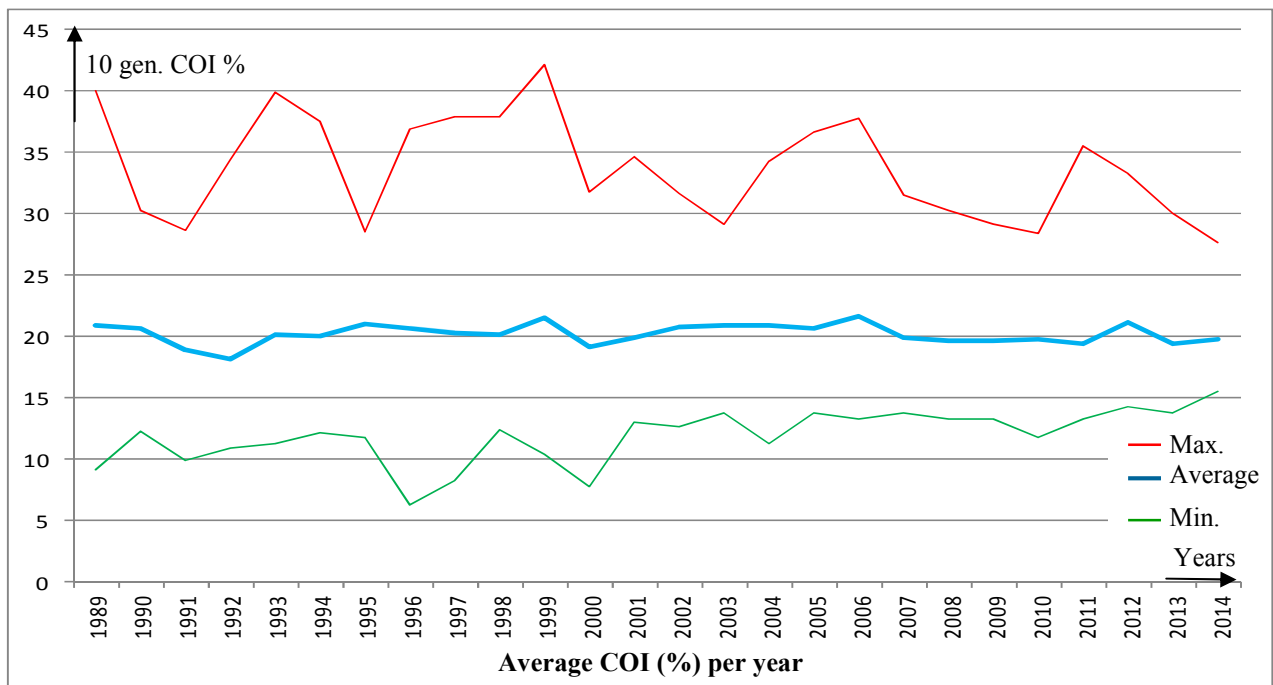




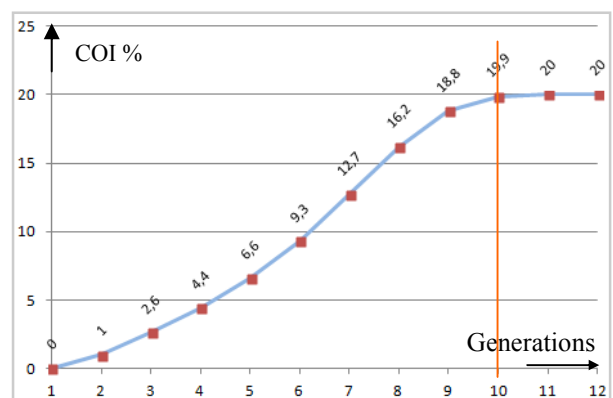
## Irish Glen of Imaal Terriers, facts and figures 2014

COI, Coefficient of inbreeding (%) over the last 25 years



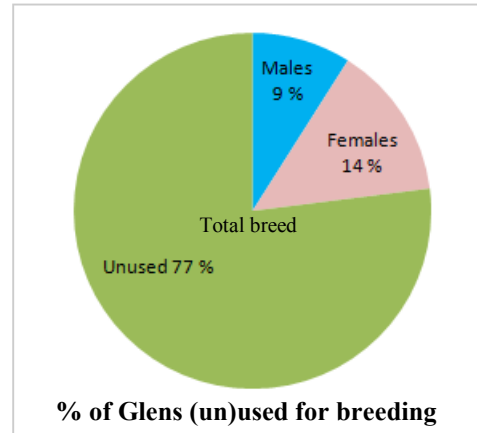
Notes:

- the chart above shows the average COI per year based on full **10 generation** pedigrees (1024 ancestors)
- the overall average (over 25 years) = **19,9%**
- there are no unrelated Glens
- currently COI values below **12%** are impossible!
- the chart on the right shows the overall breed average in relation to the number of generations used for calculation
- less generations result in lower COI values
- from 10 generations and higher the COI is steady
- incomplete pedigrees result in lower COI values!!



### Litter analysis (last 25 years)

- Number of litters analysed: **1156**
- Repeat matings: **184 (16%)**
- Average litter size: **4.3** puppies
- Males/females: **~50/50%**
- Number of distinct sires: **446**
- Number of distinct dams: **668**
- Litters per male: **2.6**
- Litters per female: **1.7**
- Males used for breeding: **18%** (9% of the breed)
- Females used for breeding: **28%** (14% of the breed)
- Total used for breeding: **23%**
- **Not used for breeding: 77%!**

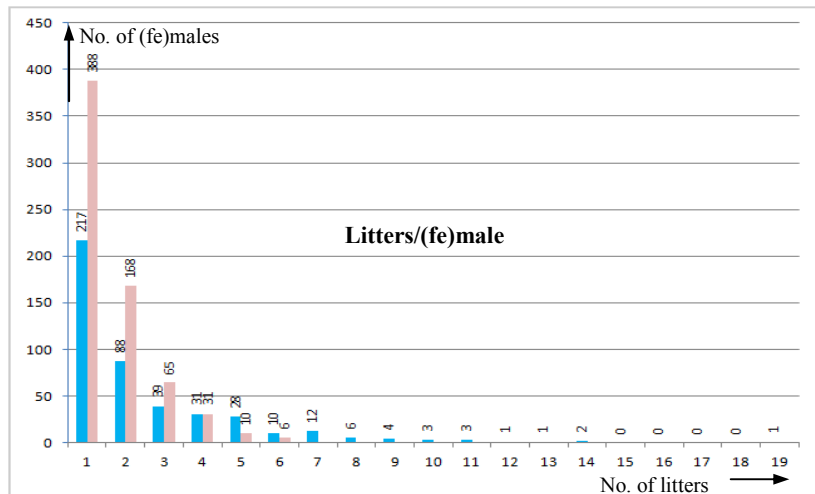


### Opportunities to improve gene spreading

- Learn from the history and use more Glens for breeding
- Use more males; e.g. ideally **710** more could have been used (160% more!)
- Use more females; e.g. ideally **488** more could have been used (73% more!)
- Or... 'double mating', 2 sires have 1 litter.
- Avoid using close relatives and repeat matings
- Global exchange programs

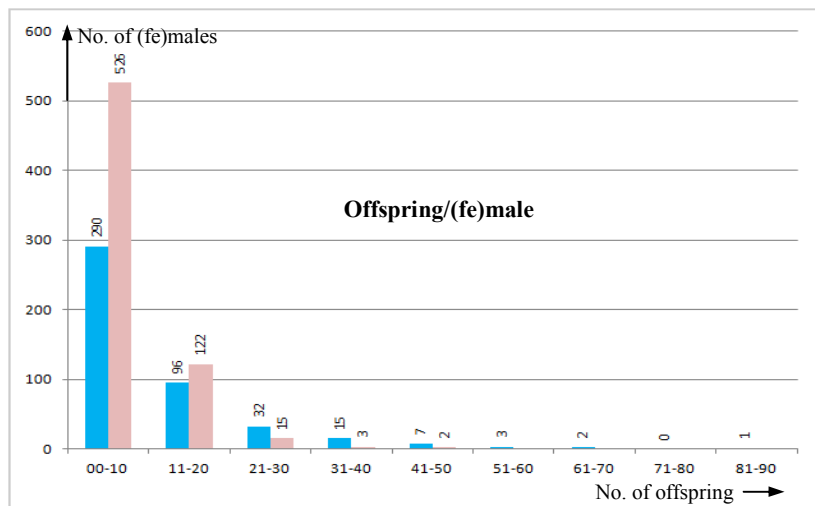
### Litters per male / female

Litters	males	females
1	217	388
2	88	168
3	39	65
4	31	31
5	28	10
6	10	6
7	12	
8	6	
9	4	
10	3	
11	3	
12	1	
13	1	
14	2	
19	1	



### Offspring per male / female

Offspring	males	females
00-10	290	526
11-20	96	122
21-30	32	15
31-40	15	3
41-50	7	2
51-60	3	
61-70	2	
71-80	0	
81-90	1	



For any further questions please contact me at: [huub@glen-footprints.com](mailto:huub@glen-footprints.com)