

# Transfer and Candling at day 17?

Tiny Janssen

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# Introducing myself..

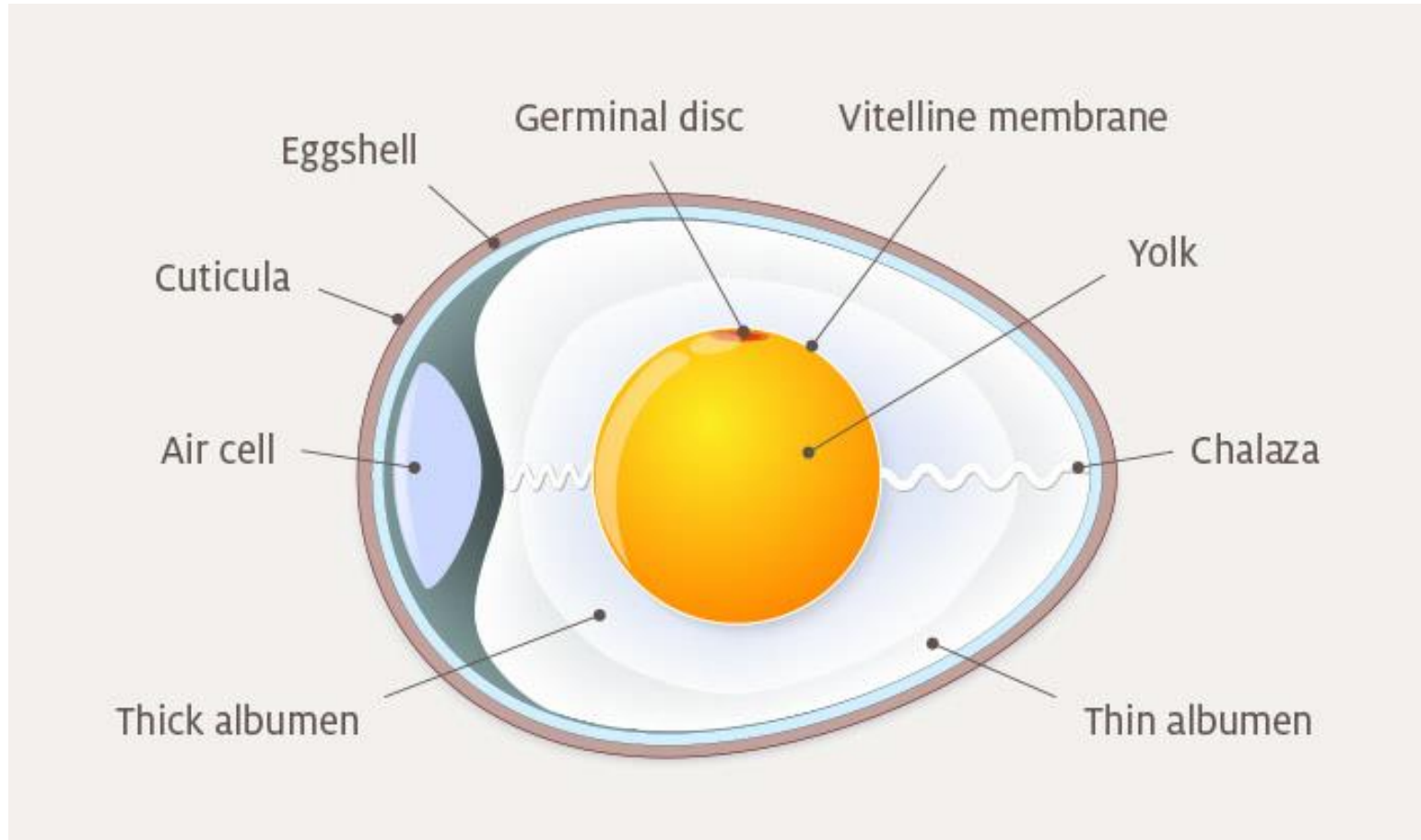
- Tiny Janssen
- The Netherlands (EU)
- Third generation (1922)
- Consultant since 1984

# Financial incentive as the only reason for candling?

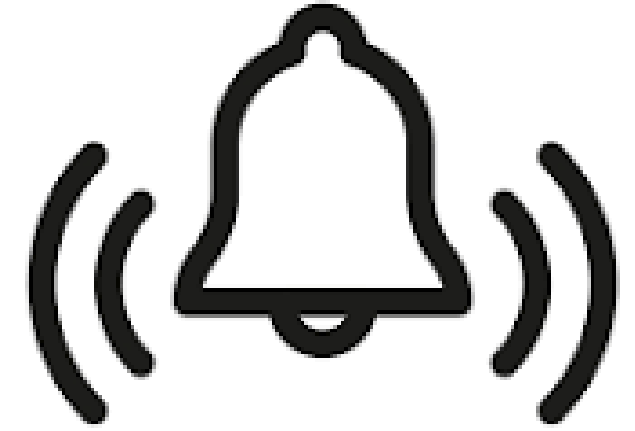
- Candling as a source of data for expected hatchability
- Candling as a source of information about performance of parent-stock
- Candling “produces” clears, can become a valuable basic product



# What are we talking about, just an egg?



# Candling hatching-eggs, why?



- Hatch % prediction
- Indicator for performance on the breederfarm
- Improving climate circumstances in hatcher (increase CO<sub>2</sub>), resulting in higher hatchability and chick quality
- Opportunity for waste valorisation: clears can have a market value
- Sustainable production and a step towards a circular economy

# Timing of egg candling

- 13 - 14 days after setting: sample of 7% of setted eggs for early fertility-check.
- 17 days after setting: 100% of setted eggs during transfer, depending on result of early candling.

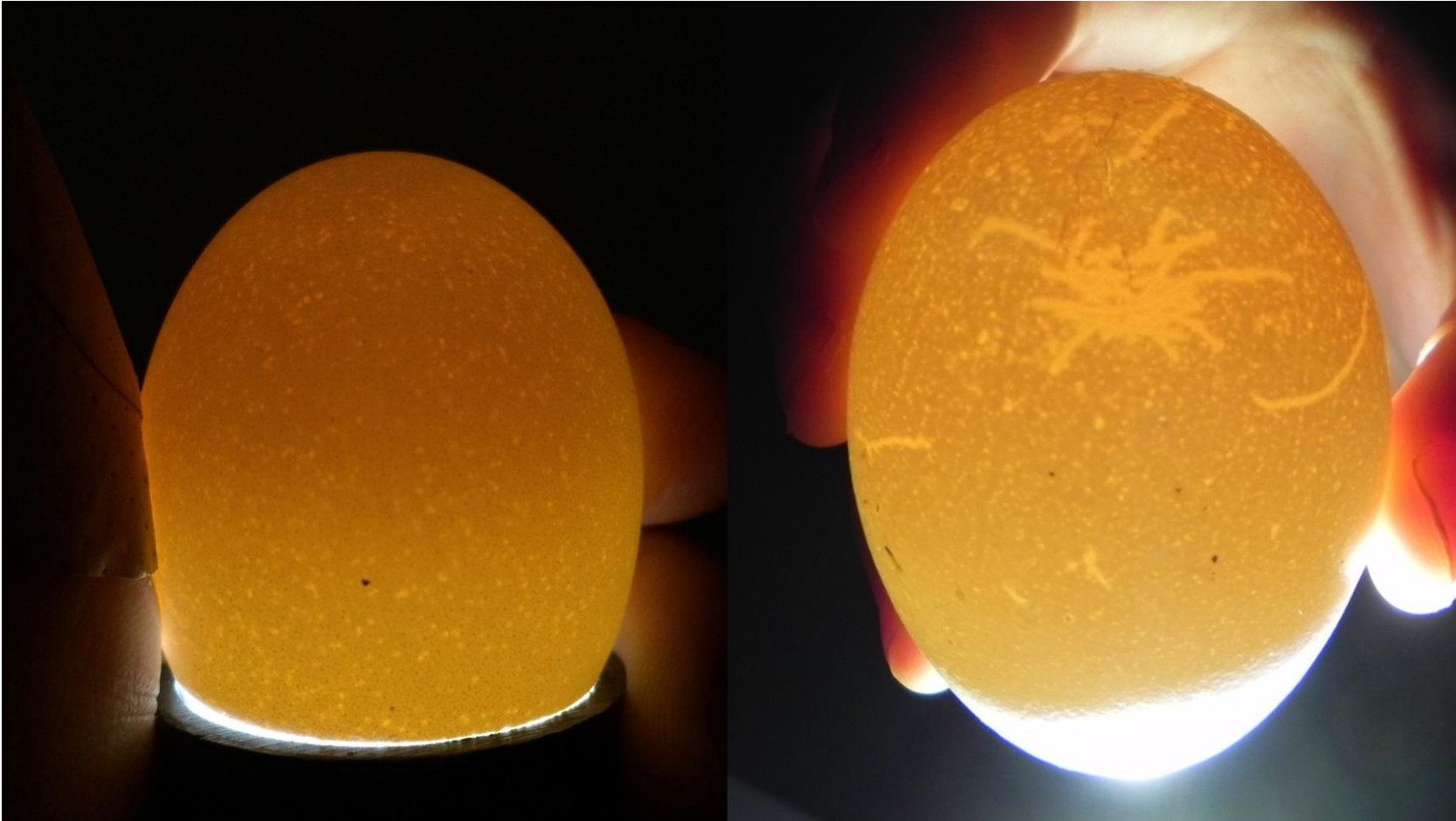
# Potential valorisation of infertile eggs (clears)

Calculation example:

- Fertility = 90% → 10% clears
- Set 1.000.000 eggs/wk \* 10% → 100.000 clears
- Startweight 63 gr/egg -/- incubation weightloss 9-10% = 57 gr.
- 100.000 clear eggs\* 57 gr. = approx. 5.700 kg/wk = 300MT/year!



# Eggshell quality, a common interest?





# Future thoughts ..... a hatchery-footprint?

More focus on sustainability:

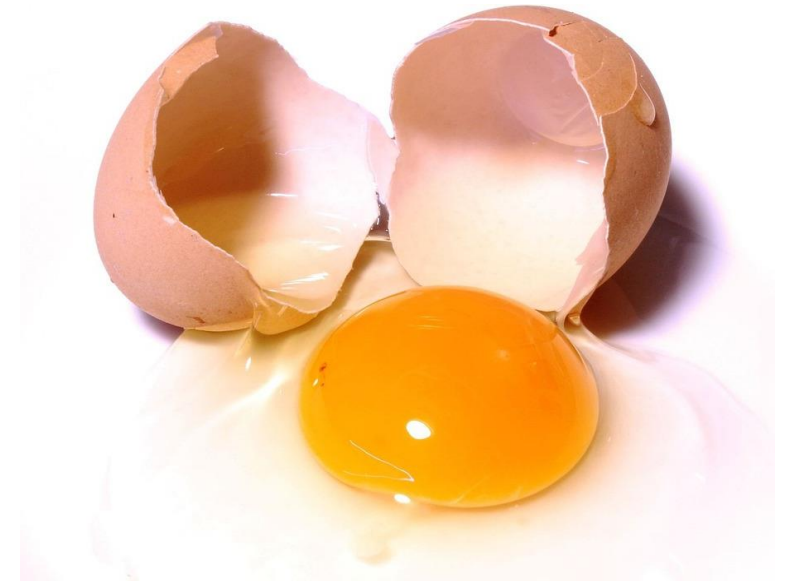
- Energy use
- Circularity: 'waste' becoming a resource
- How can we reduce our hatchery waste?
- Make use of available innovations



# Conclusion

Many arguments to candle:

- Improvement of hatching results
- Opportunity for increased efficiency
- Valuable information and data for all stakeholders
- Contribution to sustainability of the poultry producing industry



Thank you for your egg-tention,  
wishing you a fruitful YUMURPIAT!

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