



Namur: January 23-24th 2008



Introduction

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Introduction:

Founded in 2001 under the form of a pilot fish farm.

Localization:

- East of France
- 150 Km of Strasbourg
- 35 km of Metz and Nancy



Final objective: produce, transform and commercialize 100 tons of perch in water recirculating system.

1. Presentation of Lucas Perches

1.1. The pilot unit

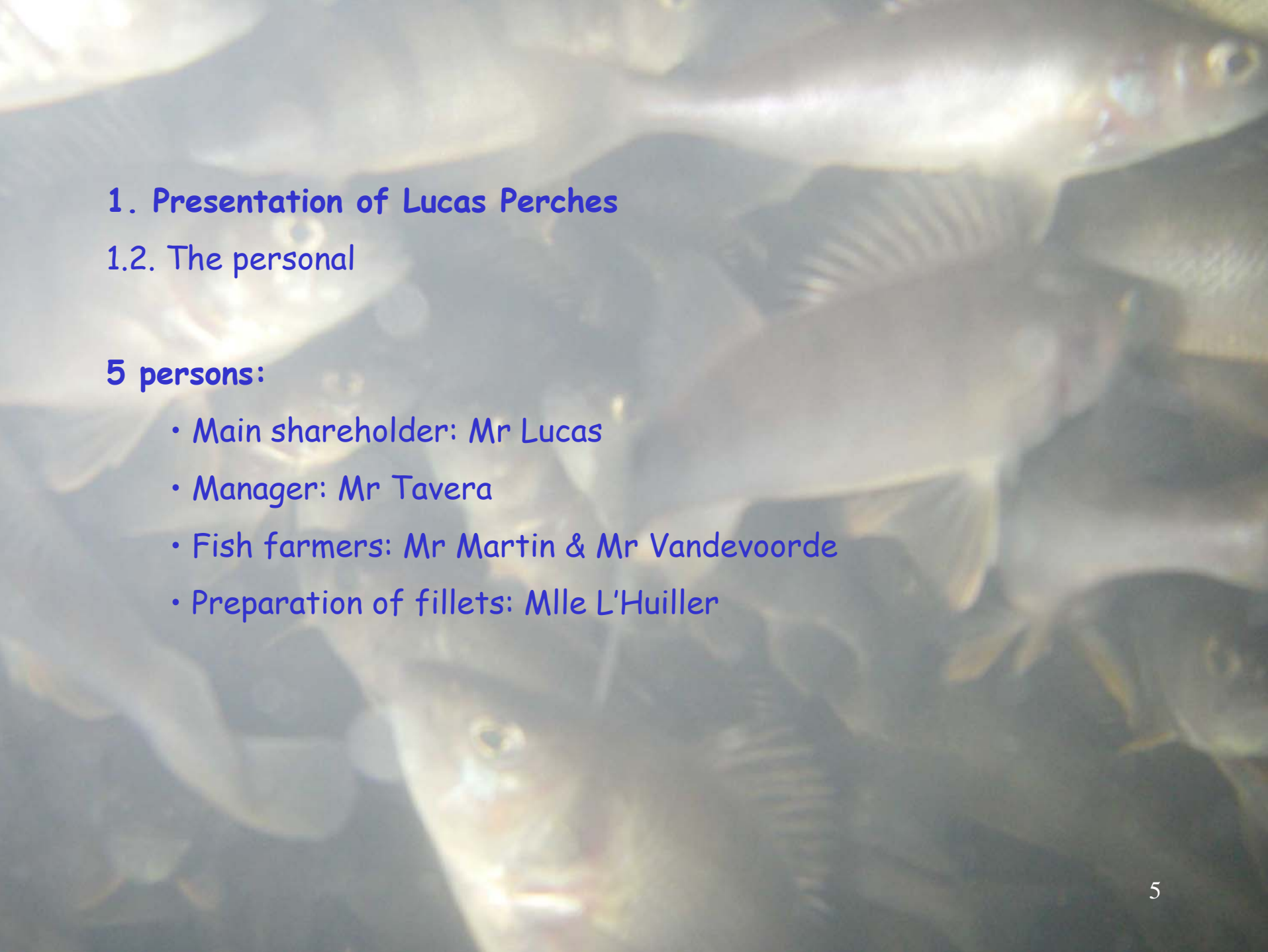
Original objective: to demonstrate the technical feasibility of the production of perch in water recirculating system.

The initial demands:

- Answer fish needs: warm water for growth, quality of water
- Technical and scientific partners
- Financial funds

The advantages of the site (Hampont):

- Presence of a natural warm water (29°C)
- Some facilities were already available (previous fish farm)
- Huge surface available (5 000 m²)
- Presence of technical and scientific partners (Universities, F.L.A.C.)



1. Presentation of Lucas Perches

1.2. The personal

5 persons:

- Main shareholder: Mr Lucas
- Manager: Mr Tavera
- Fish farmers: Mr Martin & Mr Vandevoorde
- Preparation of fillets: Mlle L'Huiller

1.3. Production and valorization

System of production:

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lization unit

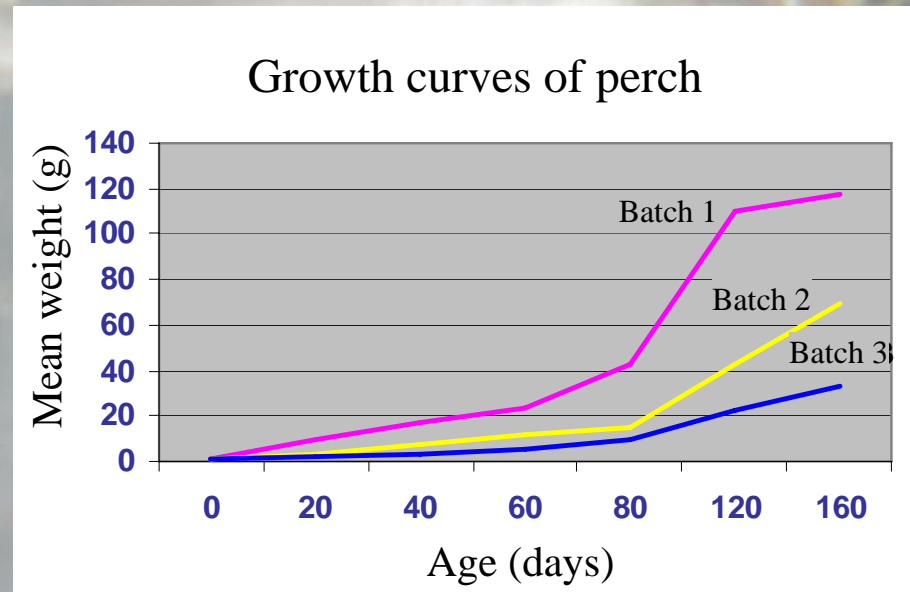
ing systems

1.4. Production cycle:

- 3 arrivals of fingerlings per year
- 100 000 fingerlings of 1g per batch
- Rearing duration: 4-10 months
- 6 sorting periods per batch
- Commercial size: 100g
- Killed a by cold thermic chock

1.5. The final product

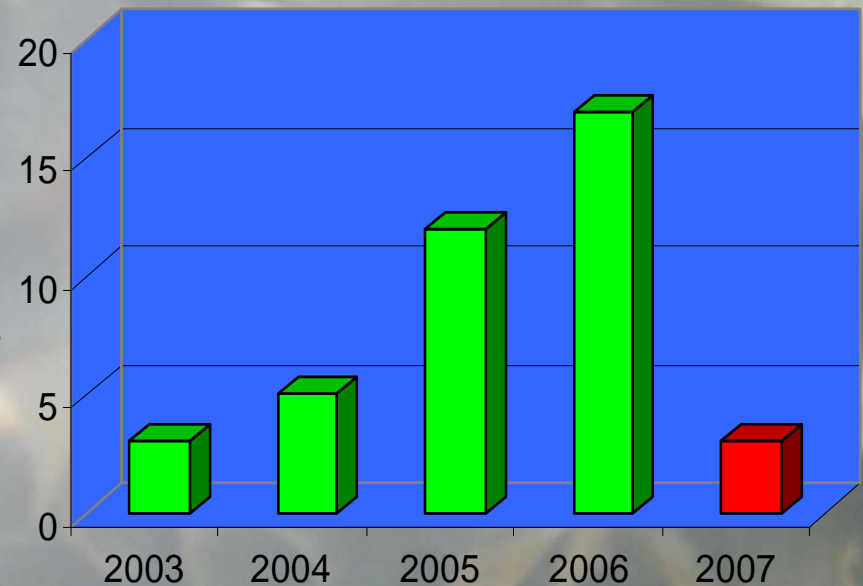
- Shape of lake strain (form and yield)
- White fillets, slightly pinkish, of 15-25 g
- No bones
- With or without skin
- Flesh is among the most tasty in freshwater



2. Historic production and zootechnical aspects

2.1. Historic production

- 2001: Foundation of Lucas Perches
- 2002: Disposition of facilities
- 2003: End of construction, 1st trials
- 2004: Increase of production
- 2005: Increase of production
- 2006: Buy the site to the TAG society
Obtaining the European Sanitary Approval
- 2007: Start of the extension works, decrease of production



2.2. Technical results (2006)

- Survival rate: 90%
- Food conversion ratio: 1
- Specific growth rate: 2,5%/day
- Filleting yield: 45-49%



2.3. Synthesis

- + Validation of the pilot farm: demonstrate the technical feasibility of perch in our water recirculating system
- + Zootechnical results encouraging
- Handle better the costs (economy of scale, supplying of fingerlings)

Necessity to develop our activity:

- Securing the production of fingerlings
- Increasing the production
- Developing the activity of transformation

Conclusions

The difficulties encountered during the growing phase are still numerous
Lot of work are still required to perpetuate the perch production.

In this context, the Lucas compagny has developed several closed contacs with various partners (Percatech, LSA, FLAC, Percinov), and want to continue developing them and advancing on a species with high potential.