1. **Objective:** Apply mastitis diagnostic and monitoring techniques to three herds chosen for a high prevalence of *Staphylococcus aureus* over the 12 months prior to, and during the 12 months of, a rolling 3 month vaccination program with a polyvalent mastitis vaccine, STARTVAC® (HIPRA).

2. **Vaccination protocol**
   - All cows received 2 vaccine doses 3 week apart followed by a rolling policy of quarterly boosters.
   - In-calf heifers were batched to receive 2 doses 3 weeks apart with the second dose no less than 10 days prior to expected parturition. Heifers then joined the rolling 3 month booster program.

3. **Data observations:**
   - Data is compared during 6 month intervals from 12 months prior to and 12 months after initiating a whole herd STARTVAC® vaccination policy for:
     - Clinical cases
     - *S. aureus* prevalence
     - Somatic Cell Count

4. **Conclusions from data to date**
   In general:
   - Better results after 6 months using the rolling protocol - in common with other studies the improvements take time.
   - Vaccination is not a panacea and consistent good mastitis management is essential.
     - Herd De had some issues with both the parlour and environment resulting in increased challenge elevating the new infection rate.
   - Clinical mastitis reduced by 54%
   - *S. aureus* prevalence reduced by 71%
   - Somatic Cell Count
     - Percentage of healthy animals increased by 4%
   - First infections reduced by 49%