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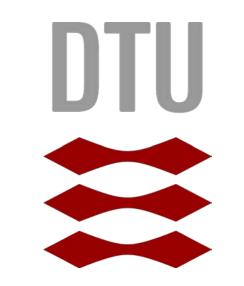
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A herd- and cow-specific decision support tool for control of mastitis

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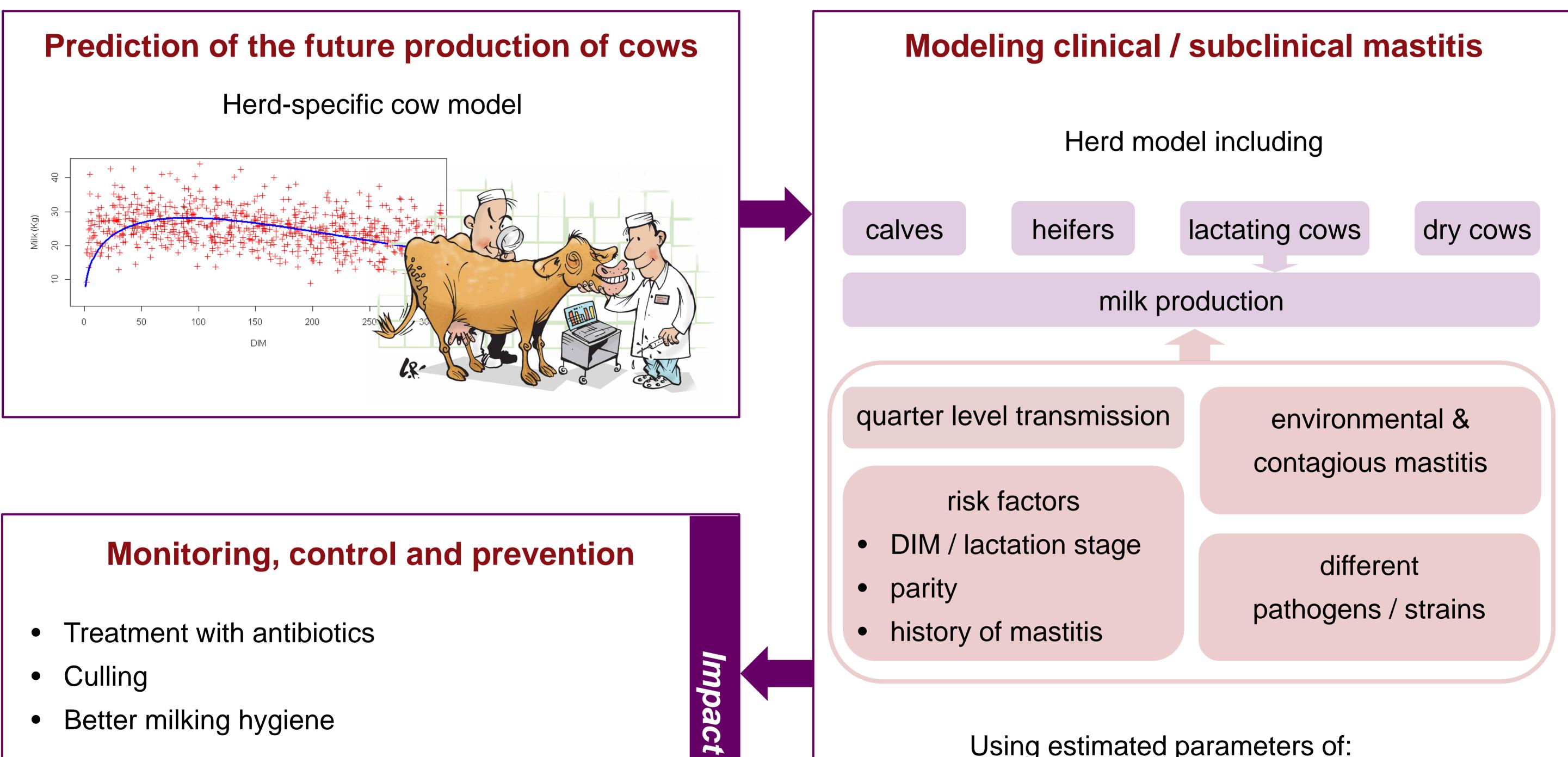
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Mastitis is one of the most frequent and costly diseases in cows in developed countries. Cost-effective monitoring, control and prevention of mastitis are therefore important to improve productivity and animal welfare.



We develop existing further Will an bioeconomic model to model the spread of pathogens causing mastitis within a dairy cattle herd. The model will then be used for a subsequent assessment of the impact of strategies on herd- and cow-specific level to monitor and control mastitis.



Introduction of new animals

Using estimated parameters of:

- Future production of cows
- Infection transmission and cure

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- Introduction of new animals from other farms
- Biosecurity measures

General Methods

Modeling will be performed using R.

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