A space-time analysis of Mycoplasma bovis in Denmark

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A space-time analysis of *Mycoplasma bovis* in Denmark

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**Background**

*Mycoplasma (M.) bovis* causes in cattle, among other diseases, mastitis. The dairy cattle population in Denmark had an increase in atypical clinical outbreaks of *M. bovis* over the past years. An important prerequisite to the implementation of an effective control program is to determine the geographical distribution of *M. bovis*.

**Results**

Space-time scan statistics (SatScan™) / K-function

**Conclusions**

- *Mycoplasma bovis* infected herds are clustered in northern or southern Denmark.

**Data**

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First round</td>
<td>Second round</td>
</tr>
<tr>
<td></td>
<td>1st Round</td>
<td>2nd Round</td>
</tr>
</tbody>
</table>

*All Dairy herds were sampled.

(1) Bulk Tank Milk sample / Dairy herd

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