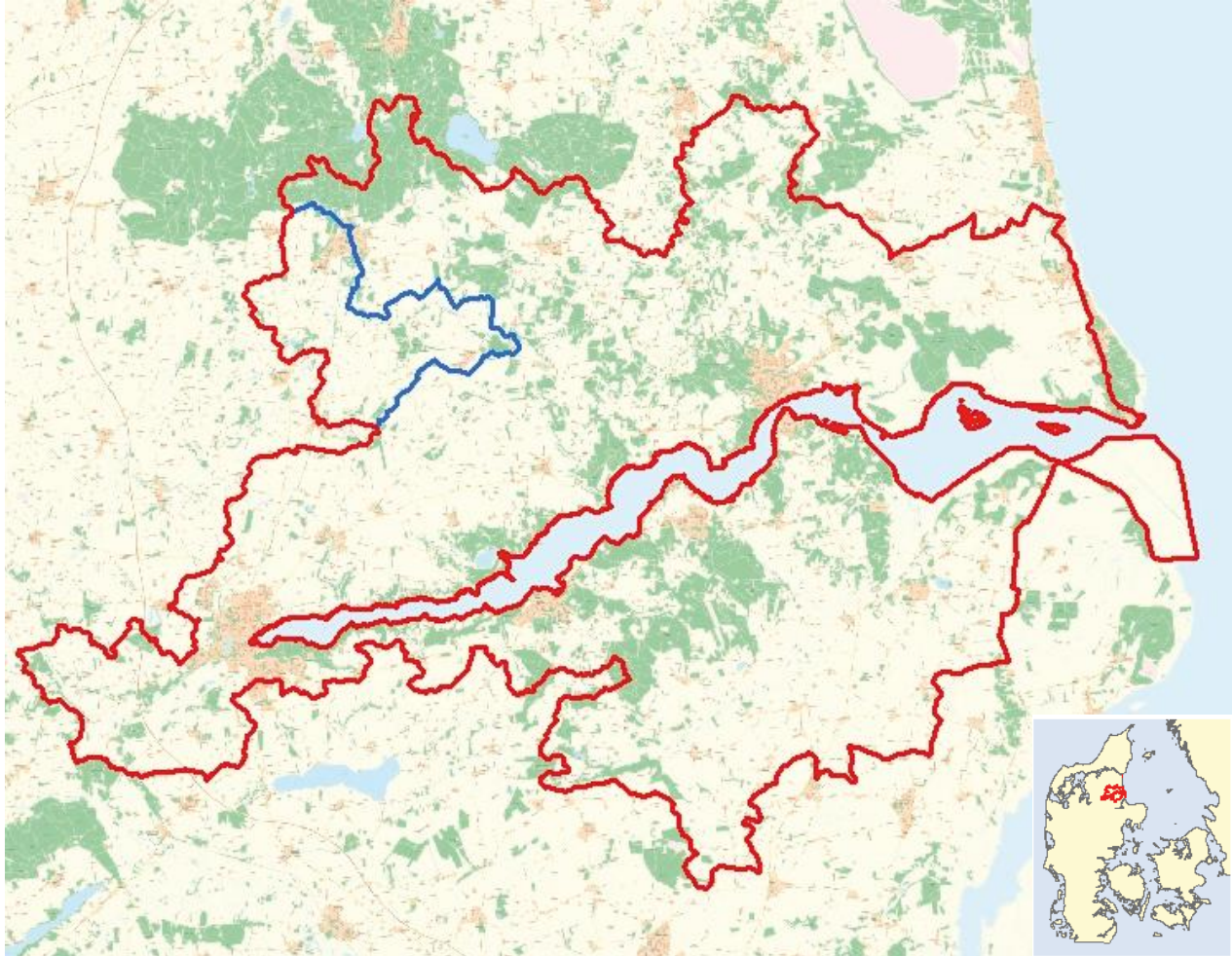
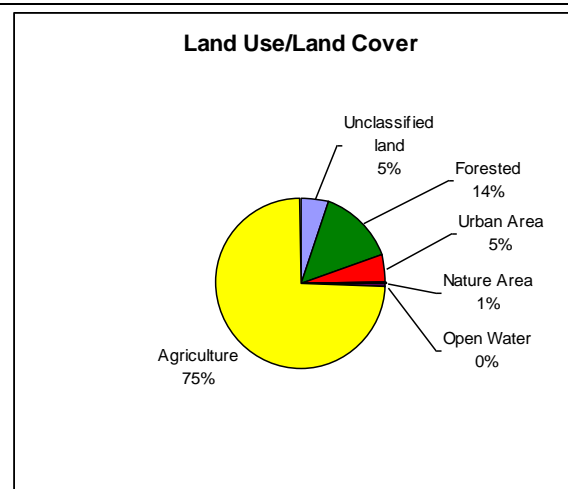


Danish Postcard: Welcome to Mariager Fjord

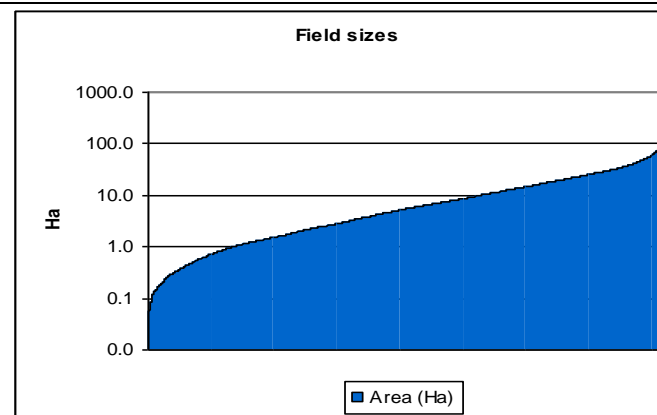
<p>A1:</p>	<p>The size of the catchment - Mariager Fjord 572 km² (red line)</p>	
<p>A2: The size of subcatchment</p>	<p>River Lundgaards bæk 35 km² (blue line)</p>	

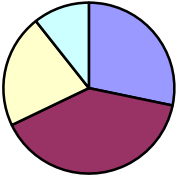
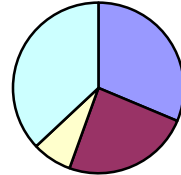
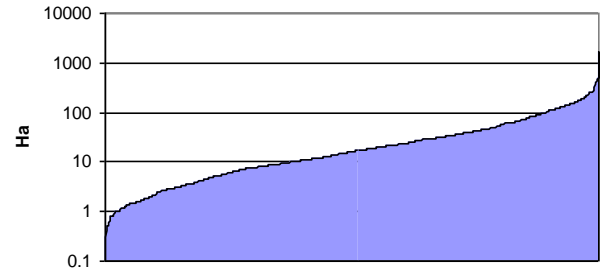
A3: Land Cover & Land Use in catchment area	Mariager Fjord		
	Land Use / Land Cover	Km2	%
	Unclassified land	29,9	5,2
	Forested	82,8	14,5
	Urban Area	28,9	5,1
	Nature Area	3,5	0,6
	Open Water	2,5	0,4
	Agriculture	424,7	74,2
Total	572,2	100,0	



A4: Population density in the catchment area	Population 37.400 people Population density 65,6 people/km ²
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A5: Topography	Field Size	
	Quartile	Area (Ha)
	Median	5.43
	Q1 (min)	0.02
	Q2 (25%)	1.58
	Q3 (50%) median	5.43
	Q4 (75%)	15.67
	Q5 (max)	139.35
Average	11.75	



<p>A6: No. of farms/l and based enterpr ises in the catchm ent area</p>	<table border="1"> <thead> <tr> <th>Type of farm</th> <th>Area(H a)</th> <th>%</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Crop</td> <td>11045</td> <td>28</td> <td>304</td> </tr> <tr> <td>Cattle</td> <td>15482</td> <td>40</td> <td>235</td> </tr> <tr> <td>Pig</td> <td>8389</td> <td>21</td> <td>73</td> </tr> <tr> <td>Other</td> <td>4161</td> <td>11</td> <td>359</td> </tr> <tr> <td>Total</td> <td>39079</td> <td></td> <td>971</td> </tr> </tbody> </table>	Type of farm	Area(H a)	%	Number	Crop	11045	28	304	Cattle	15482	40	235	Pig	8389	21	73	Other	4161	11	359	Total	39079		971	<p>Areal of farms (%)</p>  <p>■ crop ■ cattle ■ pig ■ other</p>	<p>Number of farms (%)</p>  <p>■ crop ■ cattle ■ pig ■ other</p>
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<p>A7: Typical Farm Size</p>	<table border="1"> <thead> <tr> <th>All</th> <th>Size</th> </tr> <tr> <th>Quartile</th> <th>(ha)</th> </tr> </thead> <tbody> <tr> <td>Q1 (min)</td> <td>0.3</td> </tr> <tr> <td>Q2 (25%)</td> <td>6.0</td> </tr> <tr> <td>Q3 (50%)</td> <td></td> </tr> <tr> <td>Median</td> <td>16.3</td> </tr> <tr> <td>Q4 (75%)</td> <td>41.2</td> </tr> <tr> <td></td> <td>1643</td> </tr> <tr> <td>Q5 (max)</td> <td>,5</td> </tr> <tr> <td>Average</td> <td>40.2</td> </tr> </tbody> </table>	All	Size	Quartile	(ha)	Q1 (min)	0.3	Q2 (25%)	6.0	Q3 (50%)		Median	16.3	Q4 (75%)	41.2		1643	Q5 (max)	,5	Average	40.2	<p>Farm sizes</p>  <p>■ Area (Ha)</p>					
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<p>A8: Animal density</p>	<p>Livestock Units In Denmark one Livestock Unit (LSU) correspond to 100 kg Nitrogen pr. year.</p> <table border="1"> <thead> <tr> <th>Type of livestock</th> <th>LSU</th> <th>Average LSU/Ha</th> </tr> </thead> <tbody> <tr> <td>Cattle</td> <td>11799</td> <td>0.73</td> </tr> </tbody> </table>	Type of livestock	LSU	Average LSU/Ha	Cattle	11799	0.73																				
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Pig	5979	0.89
Other	1054	0.11
Total	18832	0.29

A9: Employment in primary, land based sector	The total employment in the land based enterprise including the self employed people was in total 1.157 people in the Municipality of Mariager Fjord in 2008. This is 5,4 pct. of the total employment in the area.
A10: Primary pilot problem	Mariager Fjord is a highly eutrophic fjord with very high production of algae's, low secchi depth and extensive oxygen deficiency. The main problem of the fjord is eutrification due to the high loading of nitrogen and phosphorus from the catchment area. The agricultural losses of nutrients are very highly dependant on climate, and therefore climate changes will have a strong influence on losses. In general, we expect higher losses of nutrients if there are no changes in current agricultural practices. Farmers as water managers are essential for reaching good ecological status.
A11: Is the catchment similar to other catchments in country	Mariager Fjord is a typical Danish fjord and the problems with eutrification are a general problem.

For more information, please contact:
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sulau@aal.mim.dk

The full Danish baseline can be found at:
www.aquarius-nsr.eu