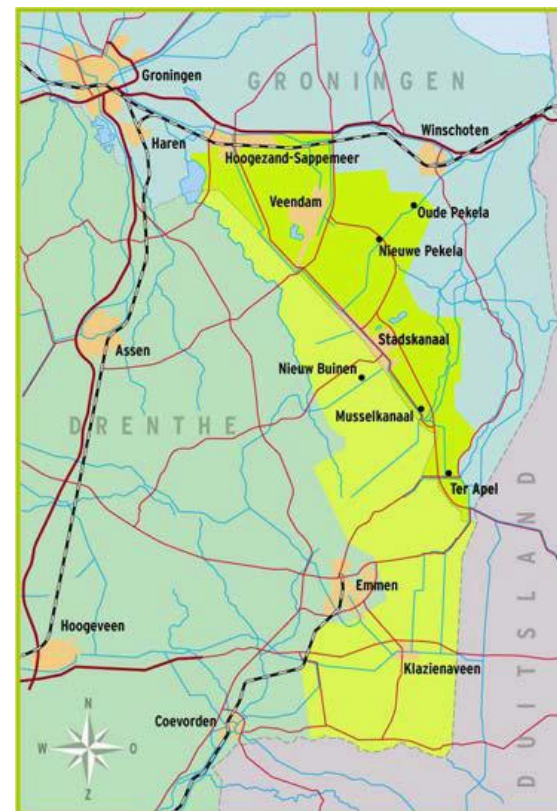
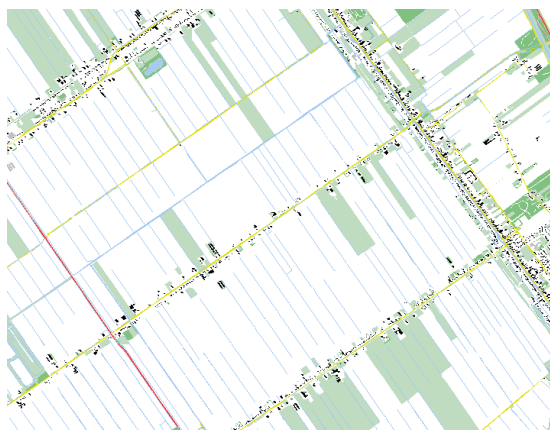
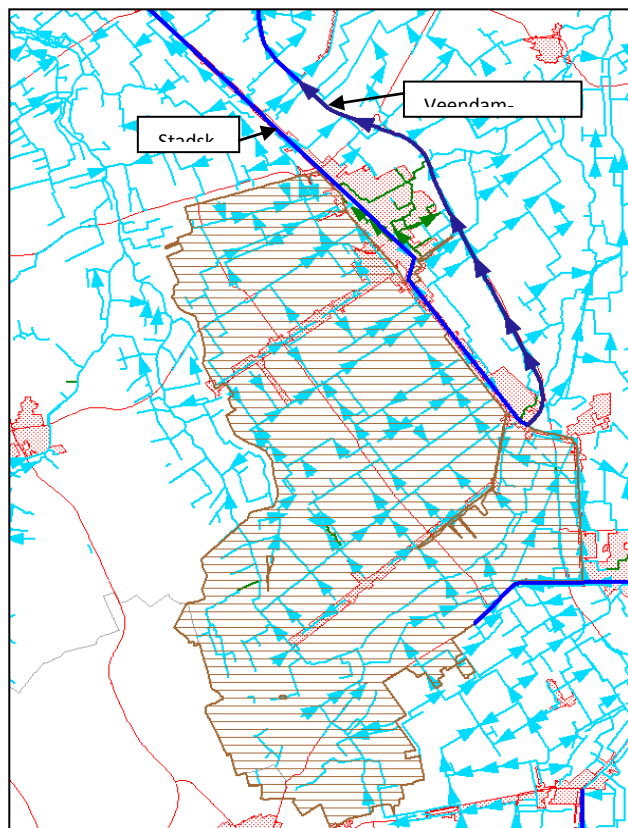


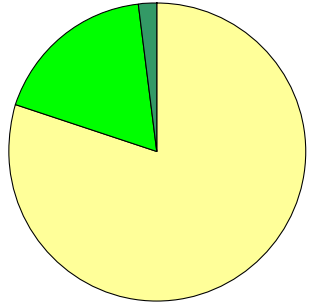
Drenthe Postcard: Welcome to Veenkoloniën




The catchment area Veenkolonien is 850 km², Elevation from 1 till 20 meters above sealevel. The veenkolonien is part of a much bigger catchment area of the river Ems. The Pilot area is 160 km².

The Veenkoloniën is a former high-moor bog area. Between 1500 ac until the early 20th century all the peat has been dug away. The peat was dried into turf and transported by ships to be used as fuel. To be able to dry the area and to transport the turf a detailed network of straight canals was made. This dense network of canals is still present. At the moment the area is a mainly flat and sandy and used for agricultural. Some line-shaped villages are present along some of the bigger canals.



Issue	Data						
	Catchment level						
The size of the catchment	Total veenkolonien 850 km ²						
The size of subcatchment (pilot)	Pilot area: 165 km ²						
Land Cover & Land Use in catchment area	<p>In the catchment area almost 100% is cultivated.</p> <p>Cultivated area consists of</p> <p>80% agriculture;</p> <p>18% grasland (dairy);</p> <p>2 % forest, horticulture, no-crops</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Landuse</p>  <table border="1"> <tr> <td>■</td> <td>agriculture;</td> </tr> <tr> <td>■</td> <td>grasland (dairy);</td> </tr> <tr> <td>■</td> <td>forest, horticulture, no-crops</td> </tr> </table> </div>	■	agriculture;	■	grasland (dairy);	■	forest, horticulture, no-crops
■	agriculture;						
■	grasland (dairy);						
■	forest, horticulture, no-crops						
No. of farms/land based enterprises ¹ in the catchment area	No information						

Population density in the catchment area	183
	Farm/enterprise level
Typical Farm Size	<p>Average 47 ha</p> <p>part-time average 37 ha</p> <p>full time average 77 ha</p> <div> </div> <p>Figuur 3.4: De bedrijfsgroottestructuur in de Veenkoloniën* (Bron: GIAB en BRP)</p>

<p>No. of Ha by different branches</p>	<p>Most of the farms have agriculture with crop rotation (average 47 ha):</p> <p>47% potato's</p> <p>19% sugarcane</p> <p>19% cereals</p> <p>6% maize</p> <div style="text-align: right;">  <ul style="list-style-type: none"> ■ potato starch ■ sugarcane ■ cereals ■ maize </div>
<p>Animal density</p>	<p>-</p>
<p>Employment in primary, land based sector (including self employment) out of total employment in catchment area</p>	<p>-</p>
<p>Primary pilot problem</p>	<p>Droughts because of climate change.</p> <p>Waterquality because of eutrofication.</p>
<p>Is the catchment similar to other catchments in country</p>	<p>Agricultural area on sandy soils (a former high-moor bog)</p> <p>Soil is particularly sensitive for drought.</p>



Watermanagement is primary for agricultural use.

Possibilities of watersupply (from Yssellake) which are under pressure because of climate change

Beside agricultural use also the former peat grounds cause nitrification to the surfacewater.

For more information, please contact:

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The full Drenthe baseline can be found at: