

## PILOT SITE DESIGN

---

# RAAMSLOOP

## THE NETHERLANDS



<https://www.gardeningknowhow.com/ornamental/trees/alder/black-alder-tree-info.htm>

The site will be created in Hulsel on the banks of the small stream called Raamsloop. This stream will be redirected in its old bedding, increasing meandering.

In the between the new bedding and the a small ecological connection zone a new wet plot of 5 hectares will created. Crop selection and selling or leasing out of the plot is still under consideration and will be decided on in consultation of neighbouring farmers.

**Size of pilot site:** 5ha

**Peatland type:** sandy soil (old bedding of stream)

**Crop type:** to be selected possibly cattail (small and large), alder, and/or willow

**Water level:** fluctuating - expected to flood yearly

**Climate type:** Temperate

**Total annual rainfall:** periods of drought and sometimes heavy rains

**Target CO2 reduction:**



## CHALLENGES

- **CLIMATE CHANGE**

Rain induced flooding in summer 2016 (extremely wet period in this area) - expected to flood yearly.

- **NATURE AND BIODIVERSITY**

On banks of stream Raamsloop and bordering to ecological connection zone.

- **INTERACTION WITH AGRICULTURE**

In area with intensive livestock breeding including maize and grass production for animal feed, often using maximum amount of manure allowed for fertilisation. Also horticulture site nearby.

## GOALS

Goal is to experiment with productive management of wet soils by allowing nature inclusive agriculture

- Experience with water management incorporating productive management of wet soils
- Experience on leasing out or setting restriction on land use in selling land
- Cooperation with local farmers
- Learning how to grow and harvest wet crops

## POSSIBLE BUSINESS MODEL

to be determined.

---

## PILOT SITE TIMELINE

**2018** Identifying pilot site

**2019** Design of site includes future stream bedding, proposal approved by board, buying land needed for implementation

**2020** Once all land is acquired detailed planning, contact with local farmers, selection of crops, redirecting stream Raamsloop, planting on created plot of 5ha.