

## Let it Flood- Housing Against Flooding in Kävlinge

Global warming and climate change is getting a serious issue and a great environmental threat that affects many aspects of life and our ways of living on this planet. The negative effects of climate change are endangering our communities, health and economy.

Global warming can be considered as a main reason for sea rising levels, extreme heat which is responsible for many forests' fires, severe drought and disastrous floods.

Actions from different fields and various scientific backgrounds have been taken to limit this serious environmental problem. Architecture appeared strongly in defencing against climate change in form of sustainability. Many designs have been done with giving much care for greenery in form of green roofs, and also by using environment friendly materials. All small details matter and help limiting the global warming, but they are still taking much time and their effects will appear in long terms. However, time may be running out to fight climate change, but we are not running out of solutions.

In the last few years weather has been changing quickly in Sweden, and flooding is one of the problems that appears taking dangerous turn. Floods are threatened people's homes, memories and health. In 2015 heavy rains led to floods that affected the transportation in Västra Götaland in south west Sweden as well as floods in Malmö city when more than 40 families were suffering from this problem.

This research work presents the different technics and architectural ways that have been used and new ideas proposed to fight floods, as well as applying one architectural (building level), reasonable model with a practical applicability on a housing project in Kävlinge, Skåne Country in Sweden, with an enhancement on the model, to work in its best conditions and suit the weather in this site and fit humans' needs in a Sweden.

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