In recent decades, the scarcity of arable land has become one of the major concerns in the world due to rapid urbanization. China in particular sees a decrease in arable land, while its billion population continues to grow. Without intervention, this trend will result in a global food crisis.

Therefore, the intention of this proposal is to preserve as much of the existing arable land as possible, while still dealing with China’s urban explosion and the housing demands of its rising population. In addition, we believe that food producers and consumers should have a more intimate and direct relationship to each other.

Local production can achieve this by eliminating the intermediary parties in the food supply chain. Not only will this lead to a greater awareness of food production, but it will also reduce transportation. This means less air pollution and less food lost in consumption. Local production could solve one step towards fighting the causes of these quality problems. We believe that it is better to prevent the problem, rather than reaching up the consequences on a small scale.

In the Agropolis, urban and rural life are brought together. This highly dense urban city occupies only 1% of the land, yet houses 200,000 people. In addition, the model is designed for growth phases. Full-time farmers, working on the adjacent productive agricultural land, have access to the social housing and the urban amenities of the Agropolis.

Urban agriculture cannot be found throughout the vertical city. By occupying the city with black boxes (or bellows, as we’ve named them), maximum net gains and returns are created. These private gardens will give the opportunity for part-time farmers to grow their own food or to sell the food from their estates.

Growing food is not just to fulfill a primary need, but also has recreational aspects to it. To emphasize this, a part of the food plan is interwoven with the Agropolis in order to be recreational and community gardening to all residents. Using life in a true “agropolis” would mean taking the best of urban life together with the best of rural life.

**Grenouille Masterplan**

- **Agricultural Districts**
  - Orientation
  - Integration of a major (Express) Link along the agropolis
  - Integration of a central park
  - Integration of a central park
  - Orientation of a central park

- **Agricultural Hierarchy**
  - Integrate into the urban grid
  - Preserve productive agricultural land
  - Communal agriculture

- **Urban Food Hub**
  - Communal agriculture

- **Conventional City vs. Vertical City in Rural & Distributive**
  - NO
  - YES

**Agricultural Footprint**

- Number of Farming
  - NO: NO
  - YES: 12,000 farmers

- **Conventional City vs. Vertical City in Rural & Distributive**
  - NO: NO
  - YES: YES