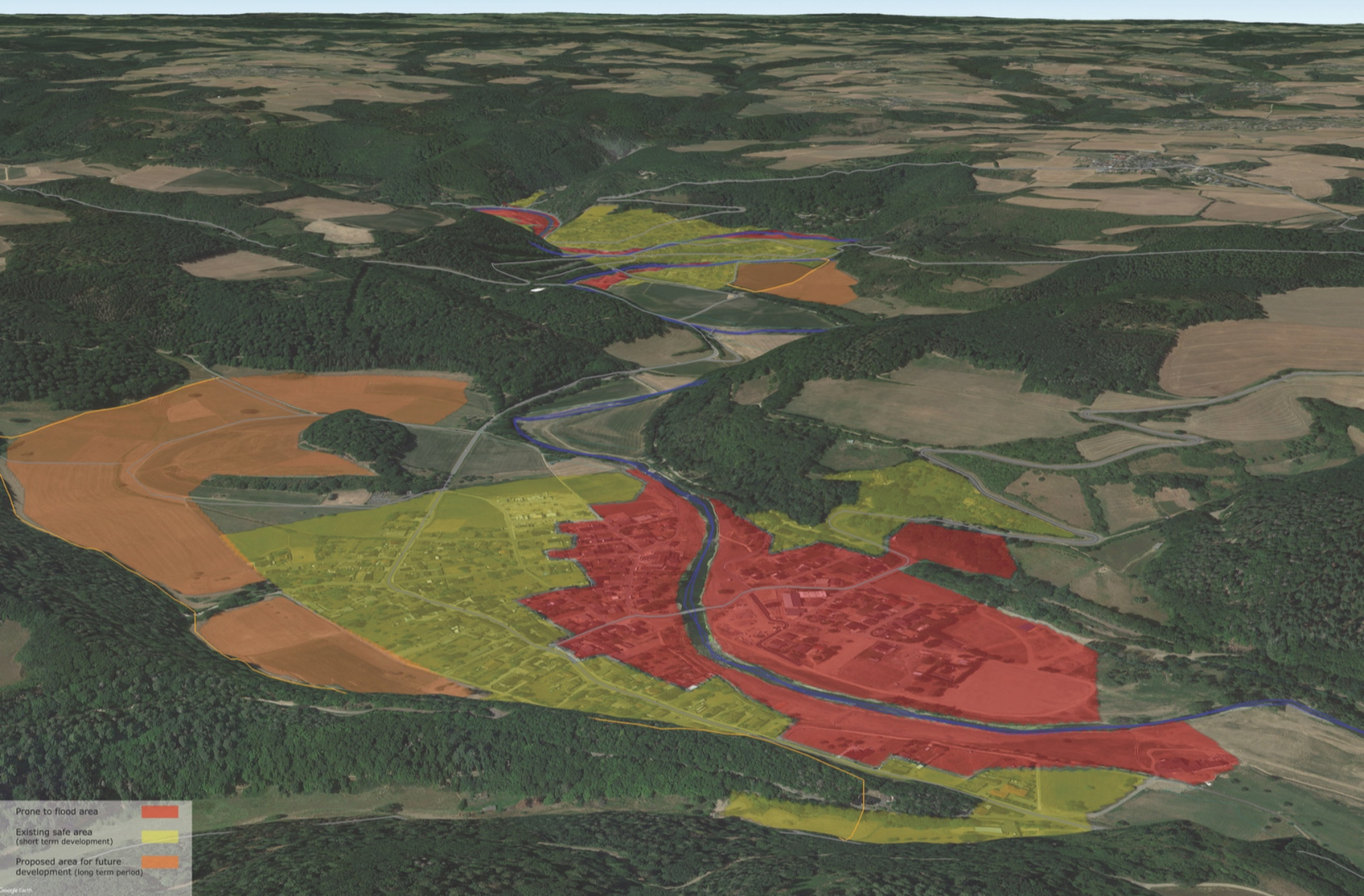




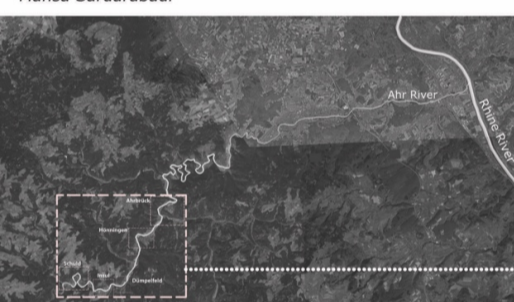
(Probst, 2021)

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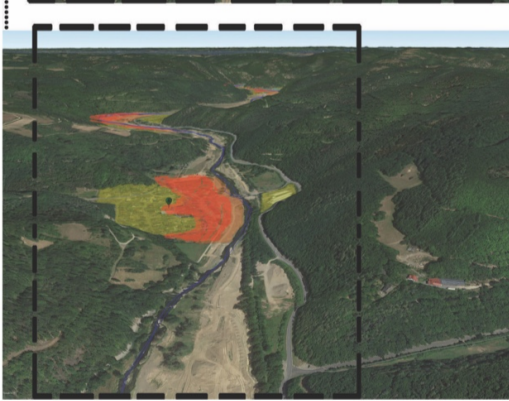
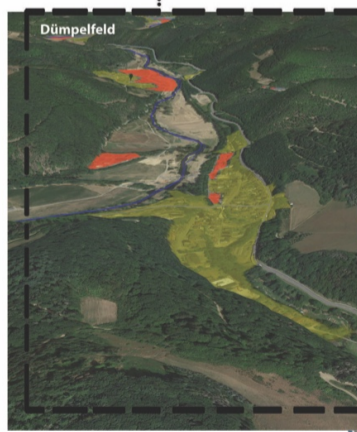
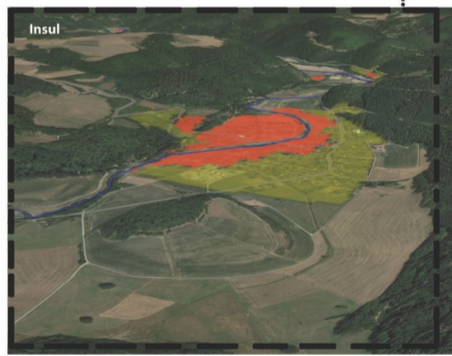
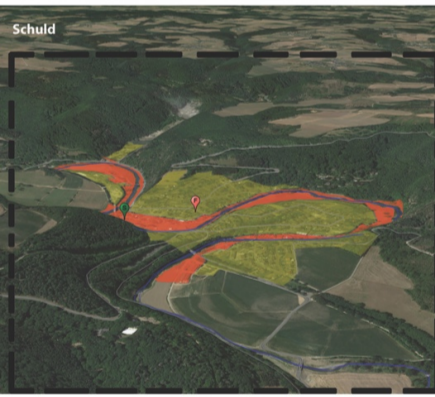
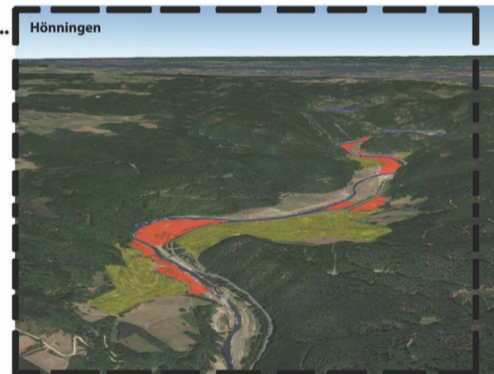
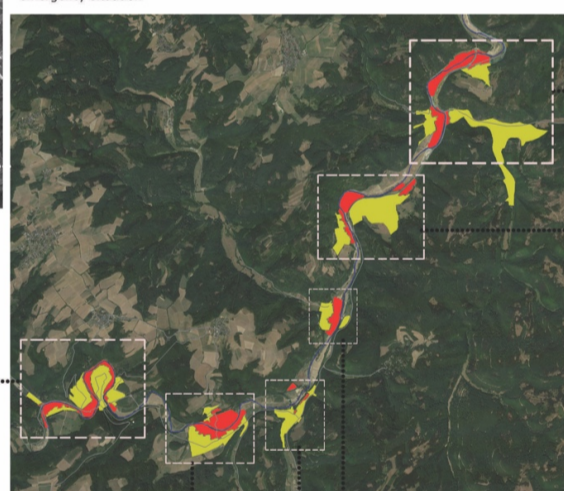


- Prone to flood area
- Existing safe area (short term development)
- Proposed area for future development (long term period)

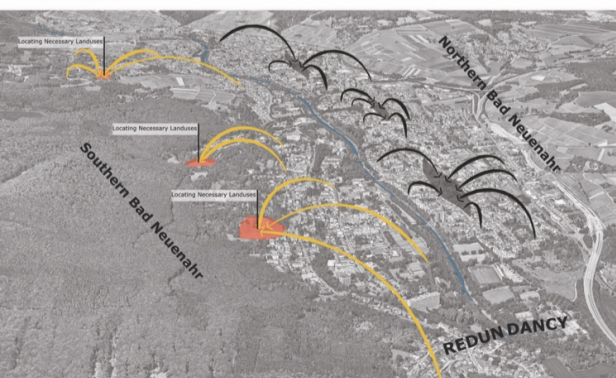
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- The constructed area inside the flood zone is in risk for future flood (orange zones)
- The emergency land uses inside the orange zone must be moved to safe zone
- Future construction must be in safe zone
- Each zone needs to be able to meet the residents needs independently (redundancy)
- Each zone needs to have proper connection to surrounding to be able to get help in emergency situation

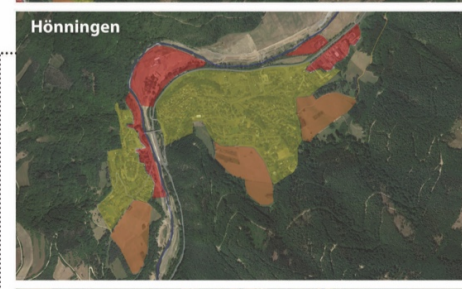
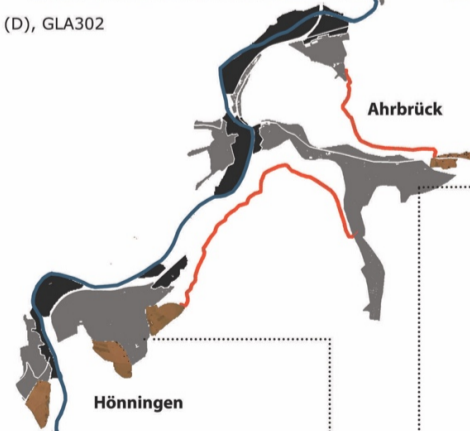
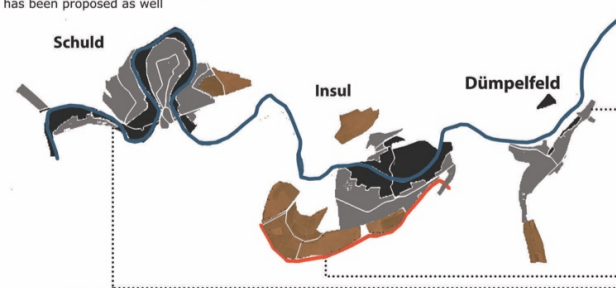


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Two parts of Bad Neuenahr can separately meet the needs of citizens by locating new emergency land uses in south part so Bad Neuenahr is divided to southern and northern parts

In other villages of the valley, the area inside the flood zone risk should not be used for buildings and new zones which are far away from the river with road connection has been proposed for future development in long term period and if the access is not well the new road connection has been proposed as well



- Map's Legend**
- Prone to flood zone
 - Existing safe zone for short term development
 - Proposed safe zone for future development
 - Proposed Road
- Sketche's Legend**
- Existing Safe zone Short term development
 - Safe zone (Proposed) Long term development
 - Prone to disaster
 - Proposed Road