**DECISIONS**

**Abandoned land**

* Starting with LUCAS 2009
* Using GPS lat and GPS long rather than TH lat and TH long
  + Potential to filter for precision? Something to think about
* Abandoned areas = U112 -- All other agricultural land, whether cropland, orchards or grassland, which has been **set-aside or abandoned**, will be classified as U112 (fallow land).
  + How to account for the areas that are set aside (a type of management practice)
  + U400 = It is more difficult when there is no visible proof of the use: a forest may be abandoned (no recent tracks, no cuttings, etc.), a reed-bed does not have any signs of being regularly cut, etc. In this case, it will be classified as unused (U400); The land use class Unused (U400) cannot be registered in combination with another land use code; it is reserved for non-agricultural land which is not managed. 🡪 these are quotes from 2009
    - Includes abandoned woods, buildings, natural grassland, unused or bare areas, water
    - Unused but not agricultural to start with 🡪 this is not agricultural abandonment and instead is land abandonment
    - Land abandonment would look more generally at the movement of people rather than agricultural land use change 🡪 dissertation is focussing on change in **agricultural practices**
  + Fallow land – land left for a period without being sown in order to restore its fertility or to avoid surplus production – this could be intentional or unintentional
* Use U112 BUT need to look at how long that pixel was left for – potentially need to say if left for only X years, it was fallow land being used 🡪 NOPE

\*\* For 2012 and more recent – just have abandoned areas **(U410): abandoned areas**, and then there’s U420 (semi-natural and natural areas not in use); in 2012, U112 is changed from fallow and abandoned land to just fallow land 🡪 this could be a way to remove the fallow from the abandoned agriculture

* Seems like best choice is to use 2012, 2015 and 2018 – Use U410 and filter for the B, D and E land cover (cropland, shrubland and grassland). Also, can filter for U112, D10 and D20, which are stated to be abandoned agricultural land

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| **Land type** | **Include** | **Notes** |
| Abandoned | 1. U410: This class consists of abandoned areas with signs or structures of previous use of any kind. Areas belonging to the abandoned class are not in use and can't anymore be used for the original purpose without major reparation/renovation work.  * Filtered for B (Cropland), C (Woodland), D (Shrubland), E (Grassland), F (Bare land/lichens/mosses) classes  1. U112 (fallow land) & D10 (shrubland with sparse tree cover) or D20 (shrubland with no tree cover) combination: Abandoned agricultural land 2. U420 (semi natural/natural areas not in use) & E30 (spontaneously revegetated land) combination: Unused, spontaneously vegetated land | * For U410, only have points for B, D and E |
| Intensive | U111: Agriculture (excluding fallow land and kitchen gardens) Areas used for agricultural purposes (NACE Section A01) This class includes the production of crop products and production of animal products. This class includes growing of crops in open fields as well in greenhouses. The preparation of products for the primary markets is included here. These areas are normally harvested with use of agricultural machinery (exc. delicate crops). The class also includes field construction (e.g. agricultural land terracing, drainage, preparing rice paddies etc. - NACE section F), as well as landscape care and maintenance (NACE 81.30).   * Filtered for B (Cropland), C (Woodland), D (Shrubland), E (Grassland), F (Bare land/lichens/mosses) classes | * Mostly have points for B and E * A few C 🡪 grazing * A few F 🡪 tilled or bare agricultural land |
| Extensive | U113: Gardens, where the crops are planted heterogeneously and mainly for own consumption. These areas are mostly fenced (by metal fences or hedges) and mostly situated in residential areas or as allotment gardens.   * Filtered for B (Cropland), C (Woodland), D (Shrubland), E (Grassland), F (Bare land/lichens/mosses) classes | * Mostly have points for B * A few F |