

GR aggregation of LP&R at Nuts0-country level

The average LP&R prices expressed as:

$$\bar{p}_{ij} = \frac{\sum_k p_{ijk} w_{ijk}}{\sum_k w_{ijk}},$$

$i \in NutsI$, $j \in NutsII$, $k \in NutsIII$,
where : $NutsIII \subset NutsII \subset NutsI$

$$\bar{p}_i = \frac{\sum_j \bar{p}_{ij} w_{ij}}{\sum_j w_{ij}},$$

$$\bar{p} = \frac{\sum_i \bar{p}_i w_i}{\sum_i w_i}$$

Where:

p_{ijk} : The price of an Hectare for the k^{th} Nuts III region units, within the j^{th} NutsII region and the i^{th} Nuts I zone-regions,

\bar{p}_{ij} : The average price for the j^{th} NutsII region within the i^{th} Nuts I zone-regions,

\bar{p}_i : The average price in the i^{th} NutsI zone-regions,

\bar{p} : The average price at Nuts0 country level

w_{ijk} : the area of arable land (with the distinction of irrigable and non irrigable) or the permanent grassland) for the k^{th} Nuts III region units, within the j^{th} NutsII region and the i^{th} Nuts I zone-regions.

$\sum_k w_{ijk} = w_{ij}$: is the weight of the j^{th} NutsII region within the i^{th} Nuts I zone-regions and the

$\sum_j w_{ij} = w_i$: is the weight of the i^{th} Nuts I zone-regions measured by the hectares of arable land or permanent grassland.