

Title: Suitable cropland area for seed potato production in Indonesia.

J.G. Conijn, H. Hengsdijk, B. Rutgers & Nikardi Gunadi (2020).

Series: Mapping land suitability in Indonesia, no. 10.

Source 1: IIASA-IFPRI cropland map.

Url: <https://application.geo-wiki.org/Application/index.php>

Reference: Fritz, S., et al. (2015), *Mapping global cropland and field size*. *Glob Change Biol*, 21: 1980–1992. <http://dx.doi.org/10.1111/gcb.12838>

Source 2: HWSD v. 1.21 (HWSD: Harmonized World Soil Database)

Url: <http://webarchive.iiasa.ac.at/Research/LUC/External-World-soil-database/HTML/>

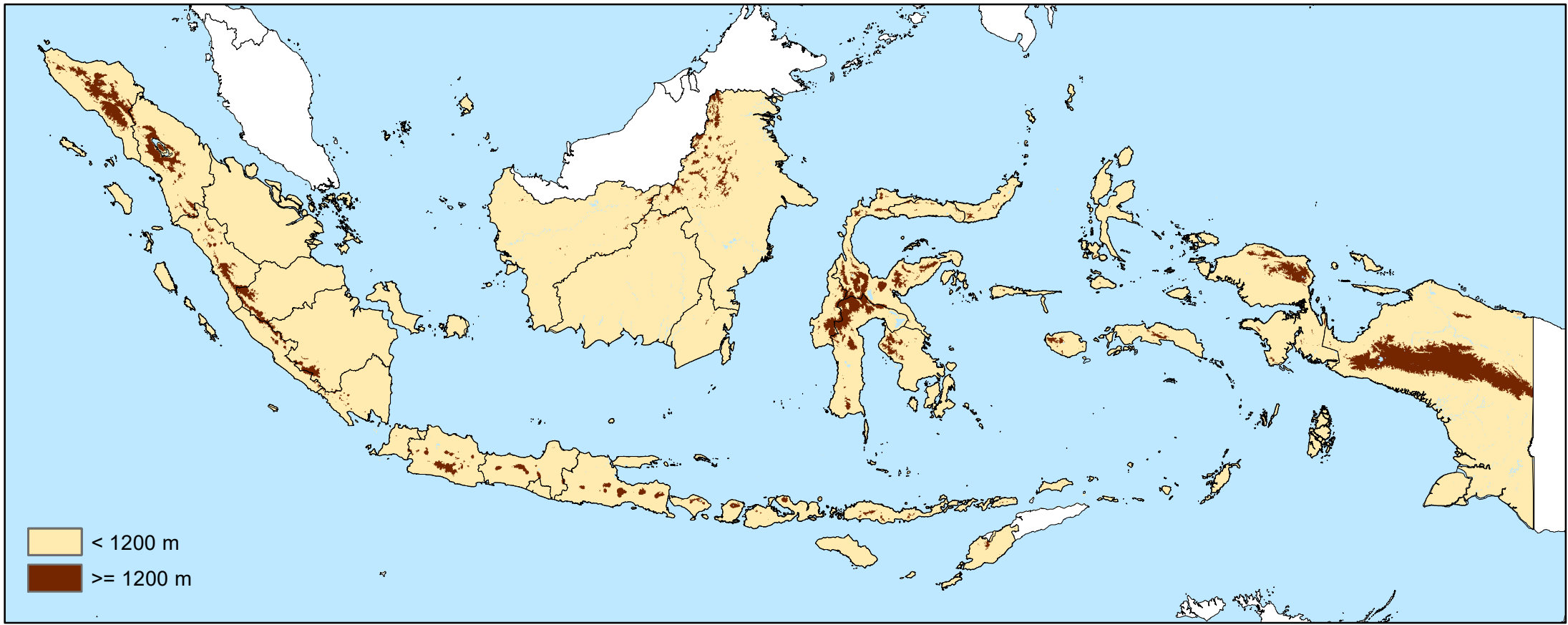
Reference: Fischer, G., et al. (2008). *Global Agro-ecological Zones Assessment for Agriculture (GAEZ 2008)*. IIASA, Laxenburg, Austria and FAO, Rome, Italy.

Suitable area for seed potato production is based on (a) current cropland, (b) elevation > 1200 m, and (c) slope of terrain < 2 %.

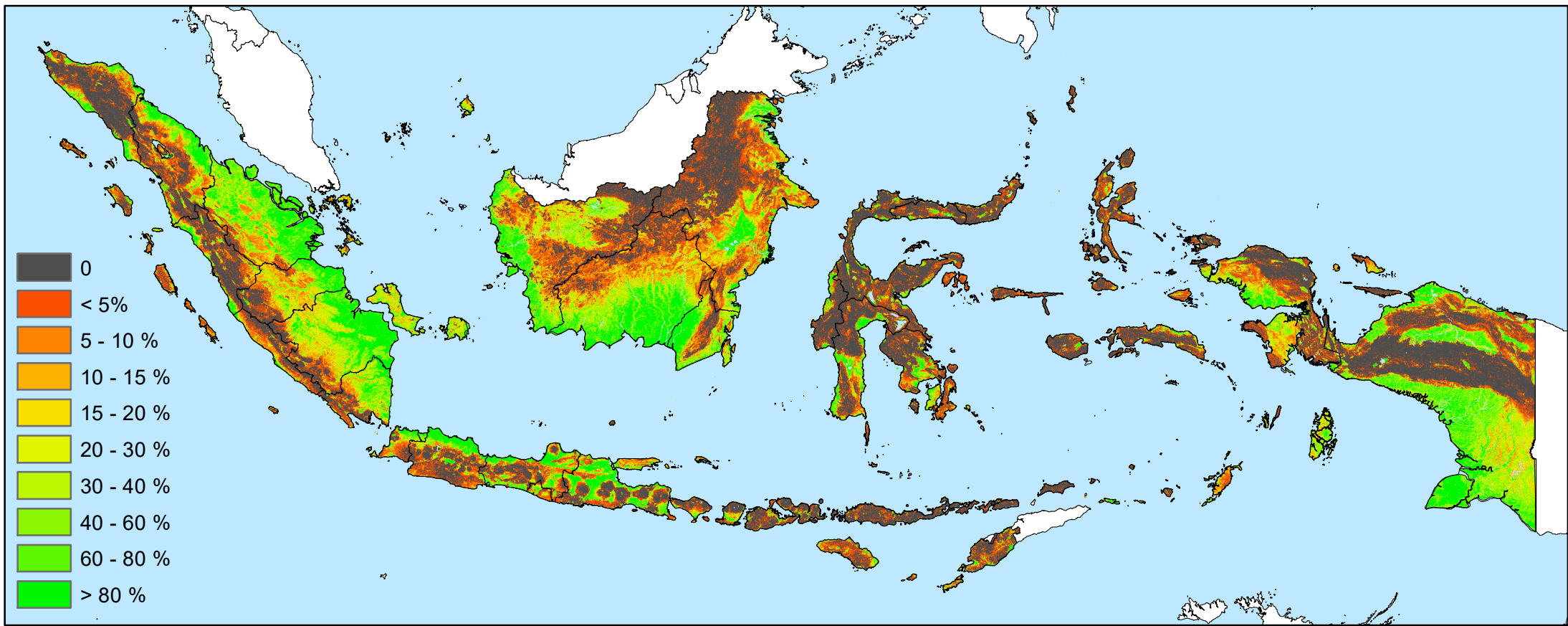
Resolution: gridded map with a resolution of 30 arcsec (pixel size in Indonesia: circa 85 ha).

Maps included:

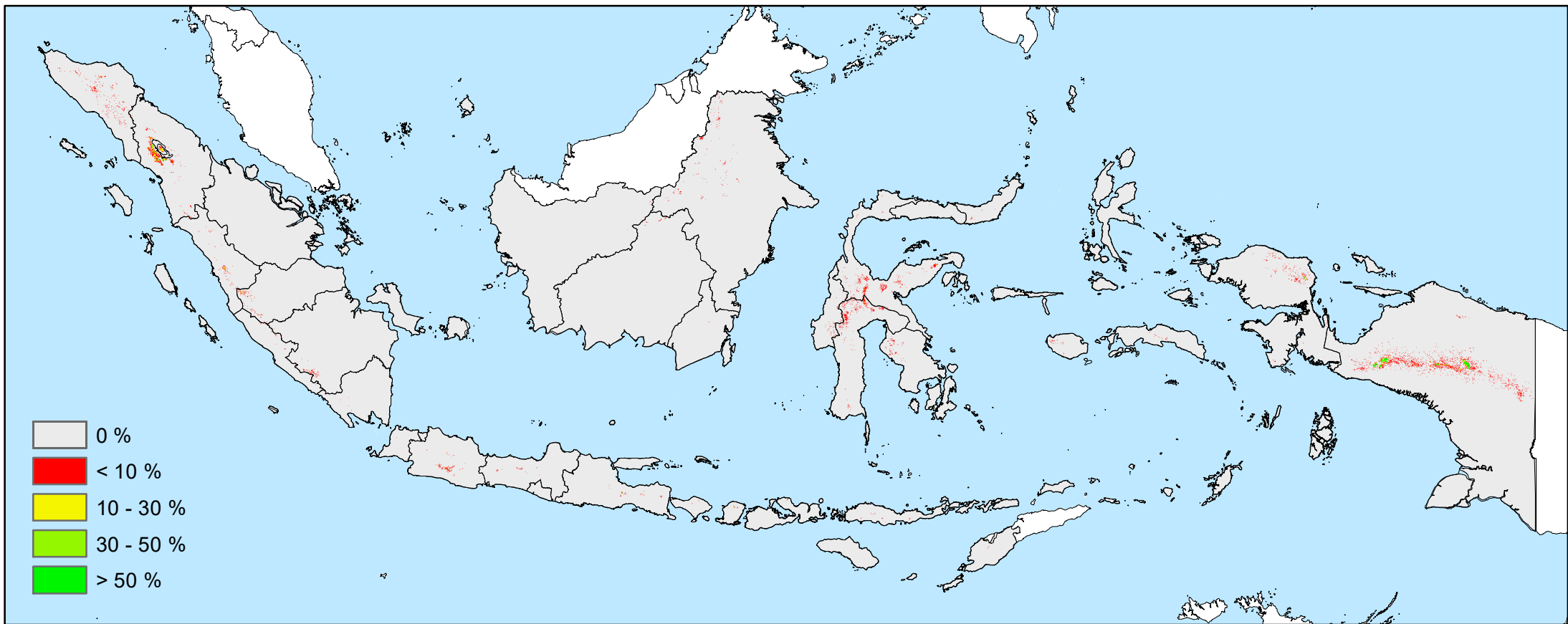
1. Median elevation (m)
2. Percentage area with a slope less than 2% in a pixel
3. Percentage area with a slope less than 2% for pixels with a median elevation > 1200 m
4. Cropland area (ha) per pixel
5. Suitable cropland area (elevation >1200 m and slope <2%)



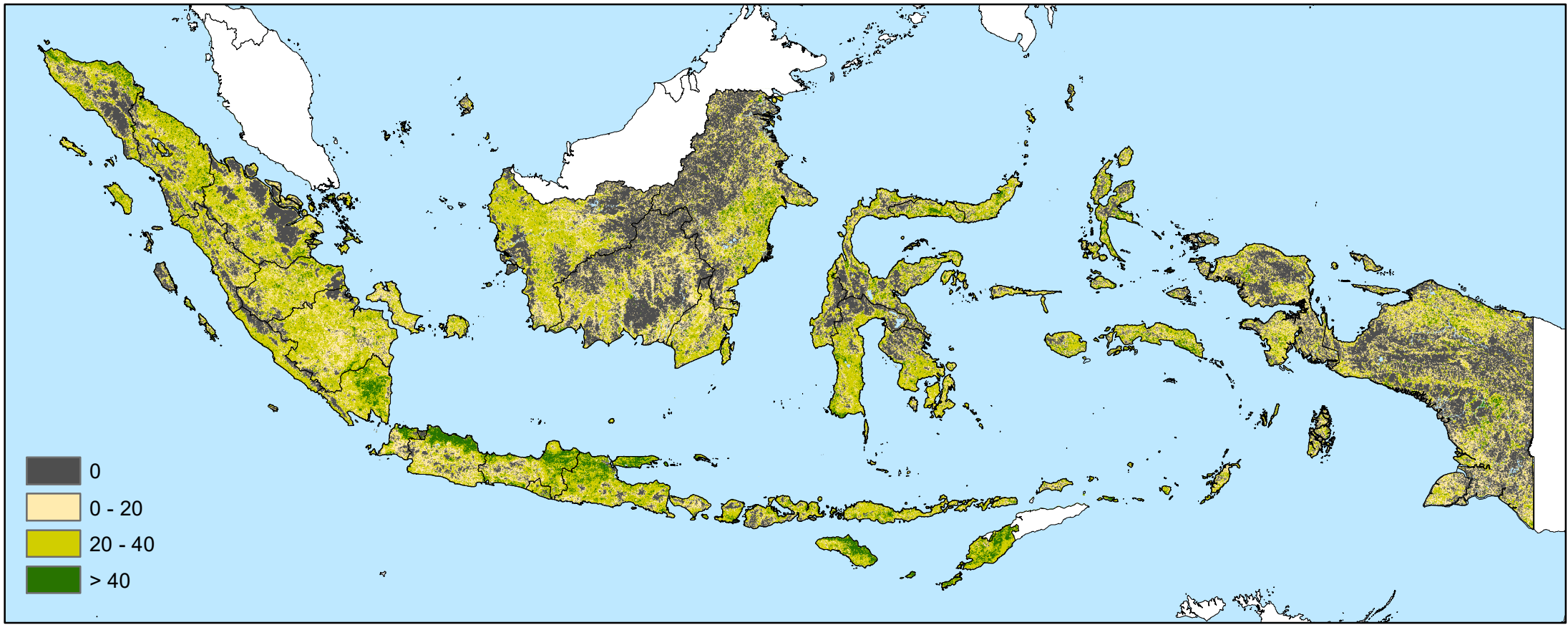
Median elevation (m)



Percentage area with a slope less than 2% in a pixel



Percentage area with a slope less than 2% for pixels with a median elevation > 1200 m



Cropland area (ha) per pixel
(total area of a pixel is approx. 85 ha)



Current cropland area (ha) per pixel, suitable for seed potato production
(total area of a pixel is approx. 85 ha)
Suitable if: Elevation > 1200 m and Slope < 2%