

GIS: Data integration for solar water heaters (SWHs)

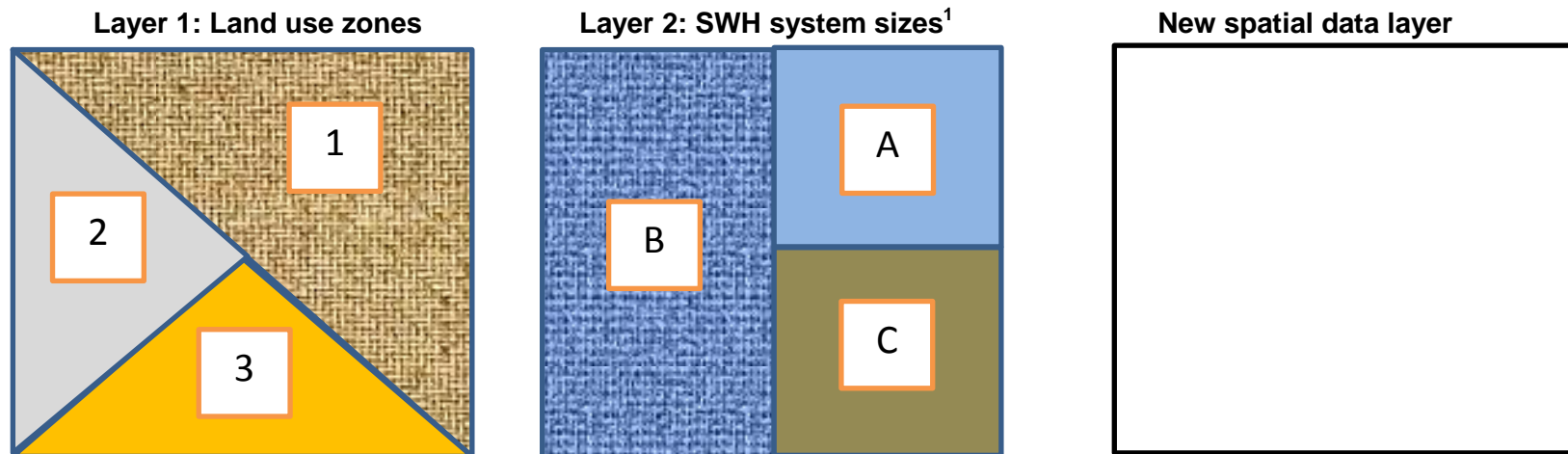
1. Explain the GIS concept: data integration.

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2. Your company, SA Solar Heaters, has won a tender to install 200-litre SWHs in low-income residential areas (formal settlements). Apply GIS data integration to create a **new** spatial data layer.

2.1 In the block New spatial data layer, draw in the new layer. (1x2)

2.2 On the new spatial data layer, identify the low-income residential area (formal settlement) where 200-litre SWHs can be installed that suit the domestic needs of the residents. (1x2)



- 1 – Commercial zone
- 2 – Low-income residential areas (informal settlement)
- 3 – Low-income residential areas (formal settlement)

- A – 150-litre SWHs
- B – 200-litre SWHs
- C – 300-litre SWHs

¹ Specifications according to SESSA (Sustainable Energy Society of Southern Africa) <http://www.sessa.org.za/>