Data description
The map represents yearly sum of global irradiation incident on equator-oriented photovoltaic modules that are optimally inclined for maximum yearly electricity yields. The same solar scalars shows yearly electricity generated by a 1 kWpm (photovoltaic system with system performance ratio 0.75). The map was derived from the climatic database HELIO-CNR-1 which contains daily values of global irradiation on horizontal surface and is calculated from Meteosat satellite images by the Meteosat-2 method. For renewable energy applications, the database was further processed in order to obtain yearly sums of results. More information and the data can be accessed online from the web sites indicated below.

Special care was undertaken by January 3 km or 2 km
Time representation: average of the period 1995-2004
Map projection: Lambert equals-area, RGF 94, latitude 5°, longitude 18° East

Ancillary data
- ISCCO database © Euroclass 2007
- Vector dataset: MAPPER 2009 (http://www.mappergroup.com)
- Site population © DEMIS 2007 (http://www.demis.com)
- City population © Thomas Blöschl 2007 (http://www.demograph.de)

Note: delineation of the international boundaries and geographical names may not be considered authoritative.

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Population density

Source: Digital elevation model SRTM (http://www.gsfc.nasa.gov)

Orography and names of states and regions with ISO codes

Source: Digital elevation model SRTM (http://www.gsfc.nasa.gov)