“Land cover dataset of the China Central-Asia West-Asia Economic Corridor from 1993 to 2018” This paper has been submitted for publication in *Scientific Data.*

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This code is also available on Google Earth Engine: <https://code.earthengine.google.com/f51af335b5100f8d4a80b21fb7c74ac7>

The classification system used in this study and descriptions of each land cover type.

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| --- | --- | --- |
| LC class | Definition | ID |
| Forest | Land covered by trees, vegetation covering more than30% of the area, such coniferous and deciduous forests, and sparse woodland. | 0 |
| Bare land | Land with less than 10% vegetation cover, such as desert, bare rocks, sandy fields, saline and alkaline land, etc. | 1 |
| Cropland | Land dedicated to farming (irrigated and dry farmland), and gardening. | 2 |
| Built-up | Land characterized by a man-made and often impervious surface of constructions and pavement, such all kinds of residence, transportation infrastructures, bridges and viaducts, solar panels, and power plants, etc. | 3 |
| Shrub lands | Land dominated (over 10%) by shrubs and low woody plants, including evergreen and deciduous shrubs, tundra, and desert steppe, etc. | 4 |
| Grassland | Land with natural grass covering more than 10% of the area, etc. | 5 |
| Snow/Ice | Lands characterized by permanent snow, ice, and glacier. | 6 |
| Wetland | Land occupied by wetland plants and water areas, such as marsh, mangrove, bogs and river floodplain wetland. | 7 |
| Water | Land covered by water bodies, such as reservoirs, lakes, streams, and rivers. | 8 |

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