

Supplementary Material

Table S1. The land cover classification system for the China-Pakistan Economic Corridor.

| Level 1 | | Level 2 | |
|---------|--------------------|-----------------------------|---|
| Code | Name | Name | Description |
| 1 | Forest land | Evergreen broadleaf forest | H = 3–30 m, C ≥ 20%, evergreen, broadleaf |
| | | Deciduous broadleaf forest | H = 3–30 m, C ≥ 20%, deciduous, broadleaf |
| | | Evergreen needleleaf forest | H = 3–30 m, C ≥ 20%, evergreen, needleleaf |
| | | Deciduous needleleaf forest | H = 3–30 m, C ≥ 20%, deciduous, needleleaf |
| 2 | Shrubland | Mixed forest | H = 3–30 m, C ≥ 20%, 25% < F < 75% |
| | | Evergreen shrubland | H = 0.3–5 m, C ≥ 20%, evergreen |
| | | Deciduous shrubland | H = 0.3–5 m, C ≥ 20%, deciduous |
| 3 | Grassland | Grassland | H = 0.03–3m, C ≥ 20% |
| 4 | Wetland | Tree wetland | W > 2 or wet soil, H = 3–30 m, C ≥ 20% |
| | | Shrub wetland | W > 2 or wet soil, H = 0.3–5 m, C ≥ 20% |
| | | Herbaceous wetland | W > 2 or wet soil, H = 0.03–3 m, C ≥ 20% |
| 5 | Open water | Flood plain | Seasonal flood, C < 4% |
| | | Open water | Water surface |
| 6 | Cropland | Paddy field | Artificial vegetation, soil disturbance, aquatic crop, harvest process |
| | | Dry farmland | Artificial vegetation, soil disturbance, xerophytic crop, harvest process |
| 7 | Impervious surface | Orchard | Artificial vegetation, H = 0.3–30 m, C ≥ 20% |
| | | Impervious surface | Built-up hard surface |
| | | Sparse vegetation | H = 3–30 m, C = 4–20% |
| 8 | Bare land | Bare rock | Natural, hard surface, stone, C < 4% |
| | | Bare soil | Natural, soft surface, soil, C < 4% |
| | | Salina | Natural, soft surface, high salinity |
| | | Desert | Natural, soft surface, sand, C < 4% |
| 9 | Permanent ice/snow | Permanent ice/snow | Natural, solid water |

Notes: C = vegetation cover/canopy closure; F = needleleaved tree/broadleaved tree; H = plant height (m); W = annual time covered by water (months).