**Table 1: Data sources for information integration**

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| --- | --- | --- | --- | --- |
| **Data** | **Source** | **Data and description** | **Conditions** | **Country focus** |
| Geographical Information Data  |
| Pig Density | [1] | Raster maps of pig density | Creative Commons | Global raster map |
| Outbreak data | [2, 3] FAO and OIE | Global and regional distribution of disease. Specific Country-level information on disease events and animal health status, country-level geographical coordinates, of the control and prevention measures in use are provided | IntergovernmentalGrey Literature | China, Vietnam, Cambodia |
| Geographical Information  | [4] | Mapping of the ports, road networks (except for Vietnam) | Open Database License (ODbL) (Crowd sourced) | Cambodia, Laos, Myanmar, Thailand |
| GIS shapefiles for countries\* | Owner: Asian Development Bank (ADB) [5] | Transportation infrastructure and shapefiles for countries (administrative level 1) | Open data(Grey Literature) | Vietnam, Cambodia, Laos, Myanmar, Thailand |
| Geographical Information | Google Maps (www.google.com) | Border identificationPort verificationAirport verificationCross-validation | Commercial  | China, Vietnam, Cambodia, Laos, Myanmar, Thailand |
| **Asean Highway and TAR** |
| Road networks across the GMS\* | [6] | Road networks across ASEAN | IntergovernmentalGrey Literature | China, Vietnam, Cambodia, Laos, Myanmar, Thailand |
| Connecting highways across the GMS | [7] | City and seaport road connections | IntergovernmentalGrey Literature | China, Vietnam, Cambodia, Laos, Myanmar, Thailand |
| TAR (Rail)\* | Owner: Asian Development Bank (ADB) [5] | Rail roads across ASEAN | IntergovernmentalGrey Literature | China, Vietnam, Cambodia, Laos, Myanmar, Thailand |
| **Port Data** |
| Port data | [8]  | Passenger ports and terminal locations | Creative Commons(Informal)(Licence: CC-BY) – Brandon Telle | China, Vietnam, Cambodia, Laos, Myanmar, Thailand |
| Port data | [9] | Cross validation and verification only | Unknown | China, Vietnam, Cambodia, Laos, Myanmar, Thailand |
| Thai Sea ports | [10] | Thai Sea Ports (Industry Information) | Unknown. Available online. Grey literature | Thailand |
| Laos River Ports | [11] | Information on Laos Mekong River ports | (Government)Grey literature | Laos |
| Myanmar Ports | [12] | Information on Myanmar’s ports | Government(Grey Literature) | Myanmar |
| Mekong river ports | [13] | Mekong ports  | Open data(Grey Literature) | Vietnam, Cambodia, Laos, Myanmar, Thailand |
| **Airport Data**  |
| Airport data | [14]  | Airport data  | Open Directory License (ODL)(Informal) | China, Vietnam, Cambodia, Laos, Myanmar, Thailand |
| **Economic Data** |
| Thai GIS and Port Data | [15] | Port details, description of provinces or districts. | Government(All rights reserved) | Thailand |
| Vietnamese infrastructure information  | [16]  | Investment information on Vietnamese provinces including port and air infrastructure | Government(Grey Literature) | Vietnam |
| Economic Infrastructure across ASEAN | [17] | Data on transportation infrastructure and trading across ASEAN countries | Intergovernmental (Grey Literature) | ASEAN countries |

**\*** Accessed via Open Development Mekong (ODM)website (third party access)

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