**Table 5**.**3.** Management challenges and information needed when addressing invasive alien species risk associated with e-commerce

E-commerce is a rapidly increasing means of invasive alien species spread. Adapted from: CBD (2022c).

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| Management challenges | Information needed and implementation options |
| Risk | Improving information on the risks posed by e-commerce (including illegal e-commerce).  Establish an international invasive alien species risk-based labelling system for shipments potentially containing invasive alien species as environmentally hazardous living organisms. |
| Commodities and invasive alien species | Identify commodities related to soils and growing media and living organisms.  Create lists that specify which alien species may possibly be imported, including plants (and plant related), aquatic organisms, pet-trade. |
| Tools | Use autonomous internet tools to identify and locate e-commerce traders and other stakeholders.  Gather data to monitor compliance and to evaluate the efficacy of risk mitigation measures.  Apply non-intrusive inspection technologies and disseminate good practices and risk-based interventions using data analytics.  Improve tools to support efficient international collaboration to link existing security initiatives with invasive alien species risk management and targeted (risk-based) inspections (databases and advanced digital supply chain management systems). |
| Communication and training | Better inform and communicate with all stakeholders and Indigenous Peoples and local communities in the early detection of incursion or spread of e-commerce derived invasive alien species in natural and managed ecosystems across traditional lands and waters.  Develop voluntary codes of practices and standards to regulate cross-border e-commerce.  Develop and implement training programmes and tools to facilitate appropriate levels of monitoring and inspection in e-commerce markets. |
| Management | Develop and apply improved management measures to minimize the risks of introduction of invasive alien species through e-commerce, consistent with international obligations. |
| Hazard identification | A substantial challenge is posed by living organisms currently being traded through e-commerce and whose risks have not yet been assessed. |