



# 41<sup>st</sup> UN/CEFACT FORUM

2-5 OCTOBER 2023 | BANGKOK | THAILAND

# e-Base

Supporting efficient transboundary movement of hazardous and plastic waste

# Hazardous Waste



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Research  
Corporation

- Risk for Human Health and the Environment
- 1980s:
  - Search for cheaper disposal solutions leads to increasing export from industrialized countries
  - Tragic Incidents and Public Attention
  - Example: “Toxic ships” sailing from port to port trying to offload poisonous cargo

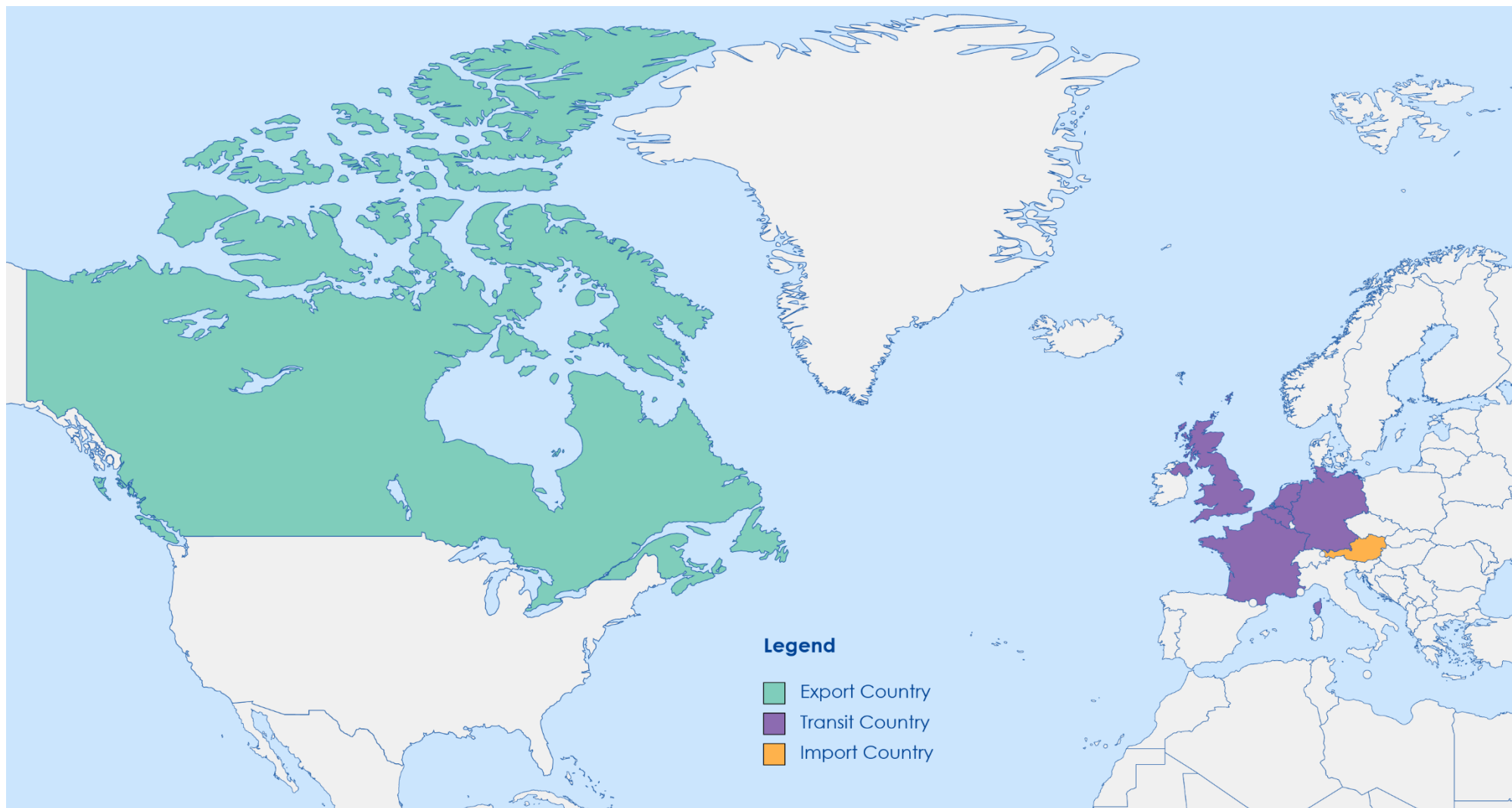
# Basel Convention (<https://www.basel.int>)

- Regulatory answer
- Negotiated under the UN Environment Programme in the late 1980s
- Entered into force in 1992
- Today 191 countries are parties to the Convention

# Basel Prior Informed Consent Procedure

- Business-to-Administration/Authority (B2A) workflow
- **Notification** of intended waste movements to export, transit, import authorities
- **Consents** by all authorities required for waste movements
- Notification / consents often cover multiple movements over a defined period
  - such as 100s or 1000s of individual movements from Jan to Dec 2024
- The export country has the duty to re-import when there is a violation of terms

# Example: Waste Movement from Canada to Austria





# Plastic Waste



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- Basel Convention Plastic Waste Amendments
- Effective since January 2021

# Basel Movement Document Provision (Art. 4)

- Business-to-Administration(B2A) flow of information
- Paper form to accompany the movement from start to end (e.g. waste disposal)
- For each movement:
  1. Announcement (in export country)
  2. Confirmation of receipt (in import country)
  3. Confirmation of the completion of recovery/disposal (in import country)



Digitalization benefits:

- a. Efficiency gains for businesses and authorities
- b. Better environmental control

# UN/CEFACT e-Basel Standard

- Published in 2013
- Core Components and Business Information Entities
- Purpose: **Interoperability**
  1. Cross-Border
  2. Cross-Domain, such as with non-waste transport data exchanges
  3. Cross-System, for interconnecting a diverse range of IT solutions
- Covers Notification/Consent and Movement Document



# e-Base Standard and Interoperability



← The e-Base standard solves Semantic Interoperability

# Data Exchange Projects



Swiss-Austrian Data Interchange in operation since 2017



- Legislative process for a new EU Waste Shipment Regulation has started
- Requirement for all parties in EU to exchange data electronically
- Implementing Act will specify technical details
- EC operated TRACES.NT (hub) and connected IT solutions
- Integration with Electronic Freight Transport Information – eFTI Regulation
- Integration with EU Customs Single Window



Ongoing activities on Recommendations and Tools in Basel Working Group



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**Thank you!**

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