UNECE-UN/CEFACT

UN/CEFACT Projects through Open Development Process
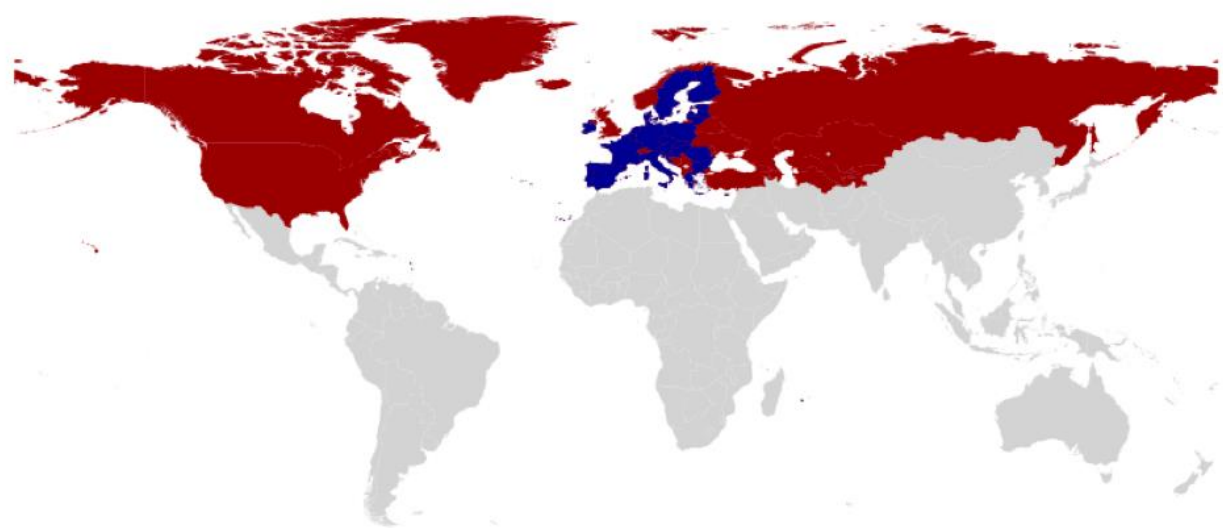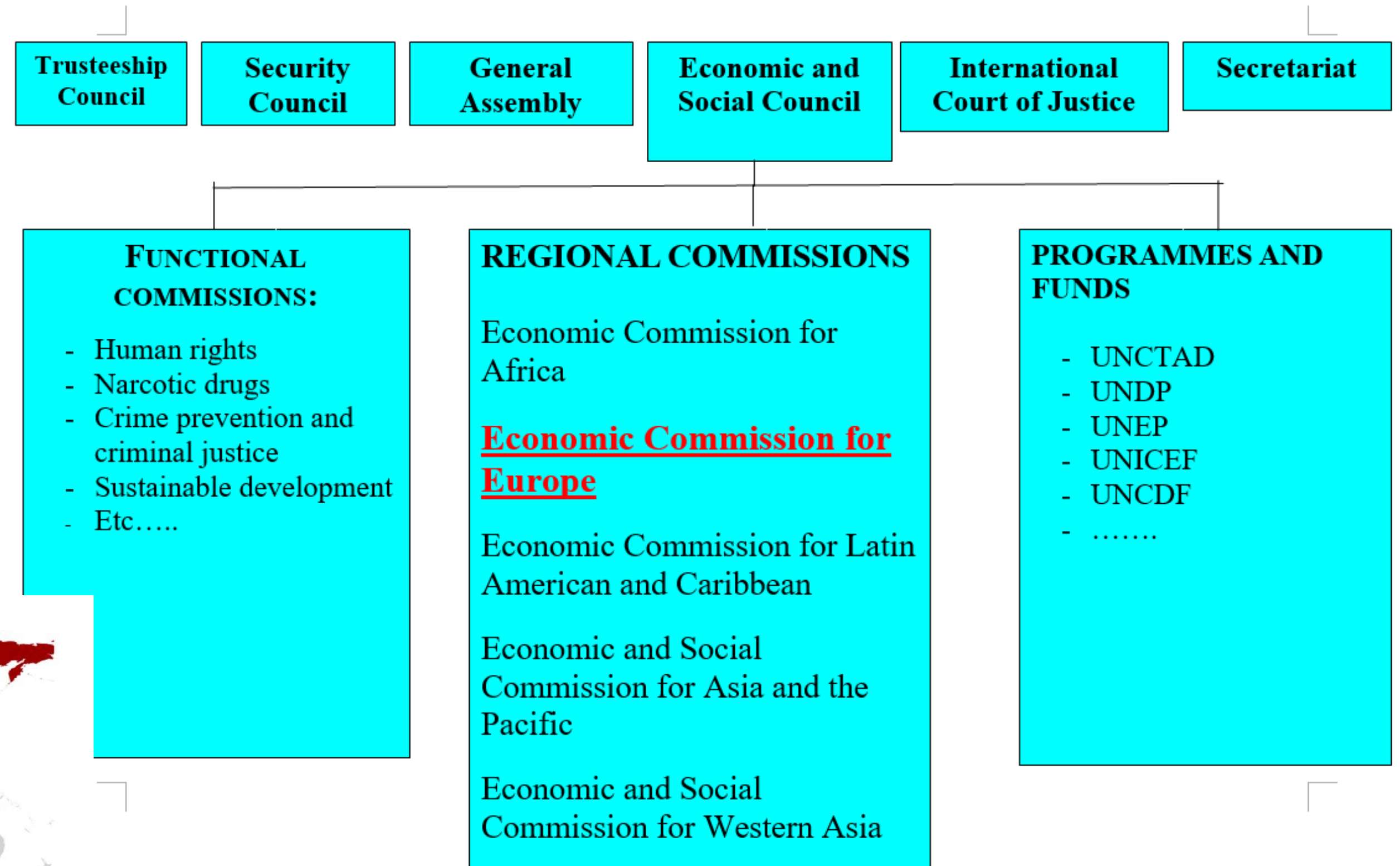
Ms. Yan Zhang
Trade Facilitation Section
Economic Cooperation and Trade Division
United Nations Economic Commission for Europe

25 October 2023

United Nations Economic Commission for Europe

UNECE
UN / CEFACT

Trusteeship Council	Security Council	General Assembly	Economic and Social Council	International Court of Justice	Secretariat

FUNCTIONAL COMMISSIONS:

- Human rights
- Narcotic drugs
- Crime prevention and criminal justice
- Sustainable development
- Etc…..

REGIONAL COMMISSIONS

Economic Commission for Africa

Economic Commission for Europe

Economic Commission for Latin American and Caribbean

Economic and Social Commission for Asia and the Pacific

Economic and Social Commission for Western Asia

PROGRAMMES AND FUNDS

- UNCTAD
- UNDP
- UNEP
- UNICEF
- UNCDF
- …….

About UN/CEFACT

Objectives

- Simple, transparent and effective processes for global business
- Efficient and automated exchange of information
- Targeted support to SDGs 8, 12, and 17

Deliverables

- Nearly 50 global trade facilitation recommendations
- 950 e-Business standards and guidelines

Means

- Public-Private Partnership
- Over 1500 experts working on 39 active projects
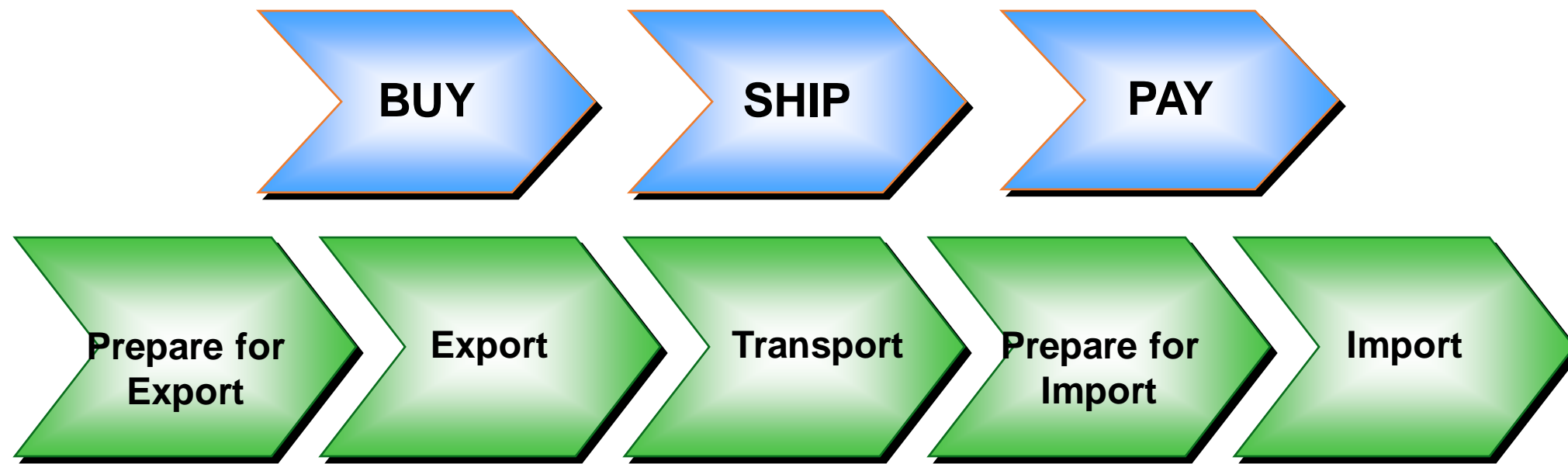- Bi-annual Forums and annual Plenary sessions
- Regular Bureau calls

UN ▶ UN/ECOSOC ▶ UNECE ▶ EXCOM ▶ UN/CEFACT

Semantic Hub for Standardization

UN/CEFACT deliverables samples

SINGLE WINDOW

UN/CEFACT developed the first guidance on Single Window and that definition has been used as the basis for all subsequent work. Our guidance covers implementation, data, legal, interoperability.

DOCUMENT LAYOUT

Since the 1960s UN/CEFACT and its predecessors have provided standards for the standardization of the layout of trade documents. The UN Layout Key is the basis of almost all cross border trade documents.

eINVOICING

The UN/CEFACT Cross-Industry Invoice has been chosen as one of the obligatory formats for all public procurement for certain countries and its use will facilitate cross border exchanges.

PROCESS DRIVEN

Traditional electronic messages reflect their original paper documents rather than supporting modern process collaborations such as blockchain. UN/CEFACT is leading the path in this new approach.

These are some examples of UN/CEFACT's deliverables. The full list can be found and downloaded free of charge on our website: www.unece.org/cefact
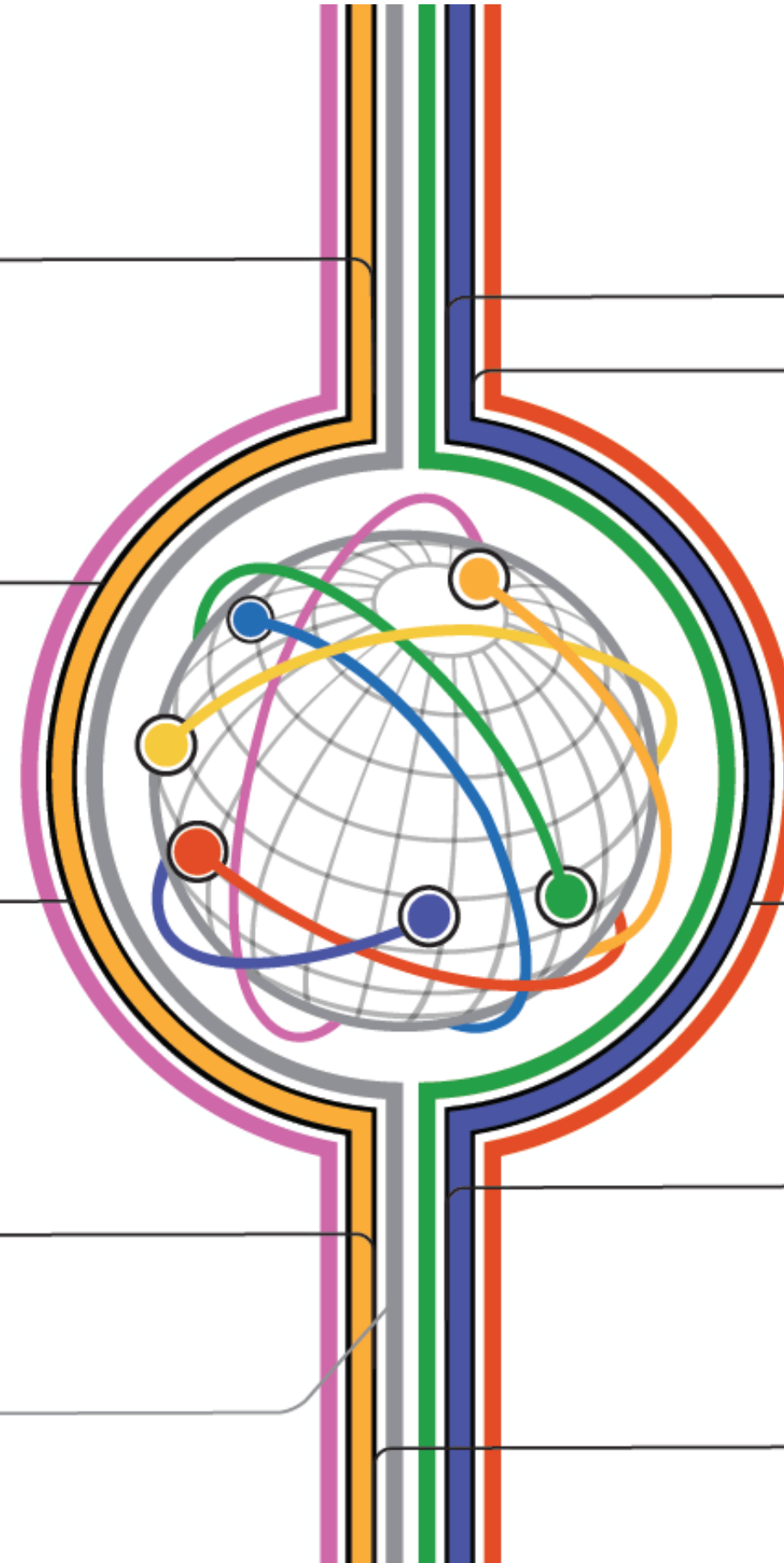
UN/EDIFACT

The first global electronic data interchange format, UN/EDIFACT is still today the most important centrally developed and maintained EDI standard covering transport, regulatory, supply chain and more.

NTFB (National Trade Facilitation Bodies)

Trade facilitation is not just the domain of the public sector. To be truly effective, private sector concerns and input must be fully considered. This is reflected in UN/CEFACT Recommendations 4 & 40.
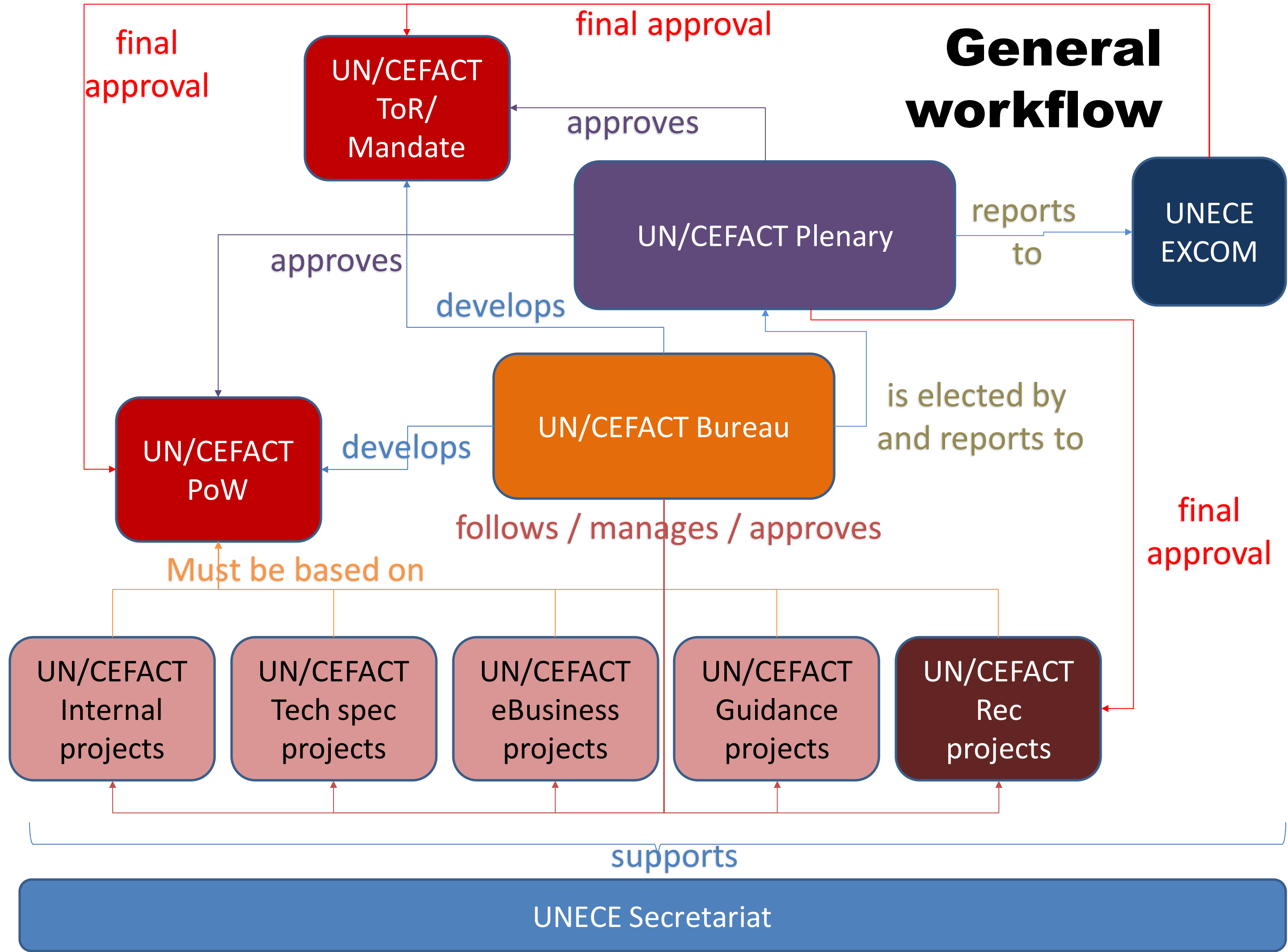
TOURISM

Improving tourism capabilities at a local level helps to improve lives and economies. UN/CEFACT develops and maintains a series of messages designed to enable small scale lodgings to enter markets.

SUSTAINABLE FISHERY

The UN/CEFACT FLUX messages are used in more and more countries to declare fish catches, conformity to regulations & port entries. Their use allow cross-border communication of the information seamlessly.

eSPS CERTIFICATES

Sanitary and Phytosanitary certificates are a regular part of imports and exports. The UN/CEFACT eCert is used to communicate these in international trade.
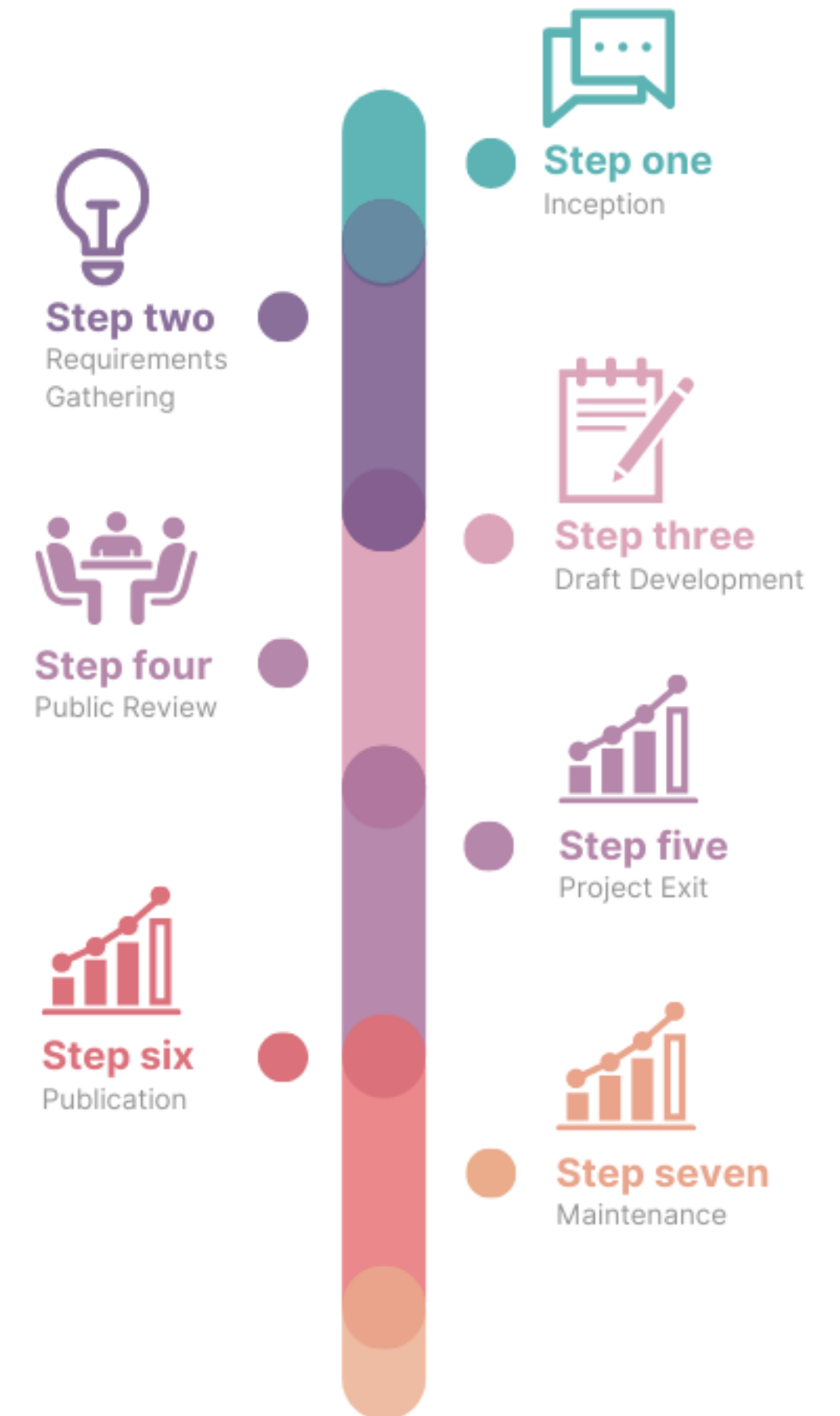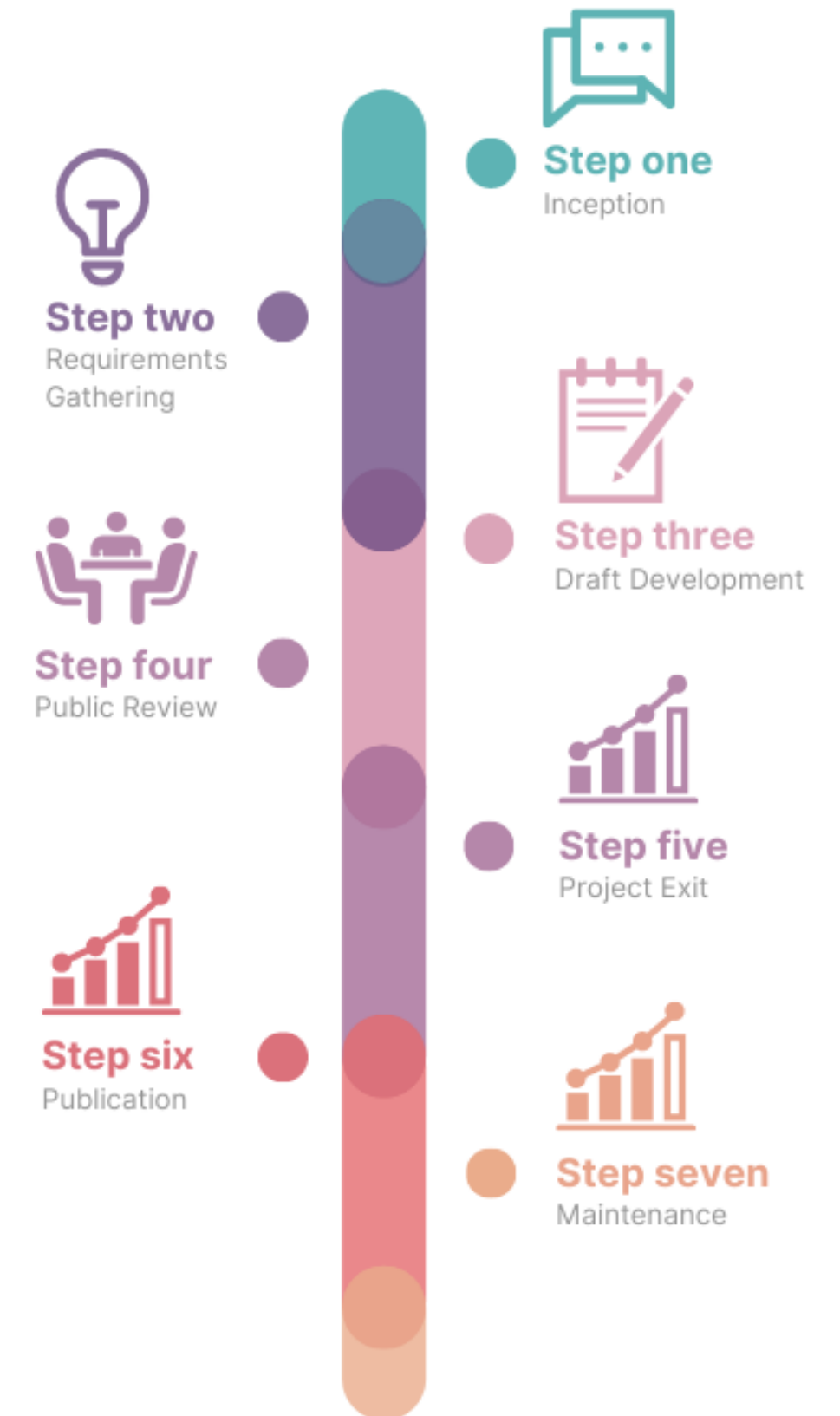
General workflow

UN/CEFACT ToR/Mandate

final approval

final approval

UN/CEFACT Plenary

approves

reports to

UNECE EXCOM

approves

develops

is elected by and reports to

UN/CEFACT Bureau

develops

UN/CEFACT PoW

follows / manages / approves

final approval

Must be based on

UN/CEFACT Internal projects

UN/CEFACT Tech spec projects

UN/CEFACT eBusiness projects

UN/CEFACT Guidance projects

UN/CEFACT Rec projects

supports

UNECE Secretariat

UN/CEFACT Open Development Process

Outcomes and participation in UN/CEFACT

- Recommendations submitted to the UN/CEFACT Plenary for approval by Member States

- Standards and technical specifications are approved by the Bureau within the framework of the Programme of Work

- All UN Member States can participate

Step one
Inception

Step two
Requirements Gathering

Step three
Draft Development

Step four
Public Review

Step five
Project Exit

Step six
Publication

Step seven
Maintenance

Principles

- Welcome participation by anyone designated as an expert by a Head of Delegation to UN/CEFACT.
- Encourage global input.
- Work collaboratively and effectively.
- Not incorporate specific hardware and/or proprietary software requirements into their processes or deliverables, or the implementation.
- Understand and agree to be subject to the UN/CEFACT Intellectual Property Rights (IPR) Policy and the UN/CEFACT Code of Conduct.

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UN/CEFACT Open Development Process

Seven-Step Process

The UN/CEFACT Open Development Process (ODP) is a transparent and inclusive process that allows stakeholders from all over the world to participate in the development of UN/CEFACT standards.

1. **Inception**

2. **Requirements Gathering**

3. **Draft Development**

4. **Public Review**

5. **Project Exit**

6. **Publication**

7. **Maintenance**

Step one
Inception

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Requirements Gathering

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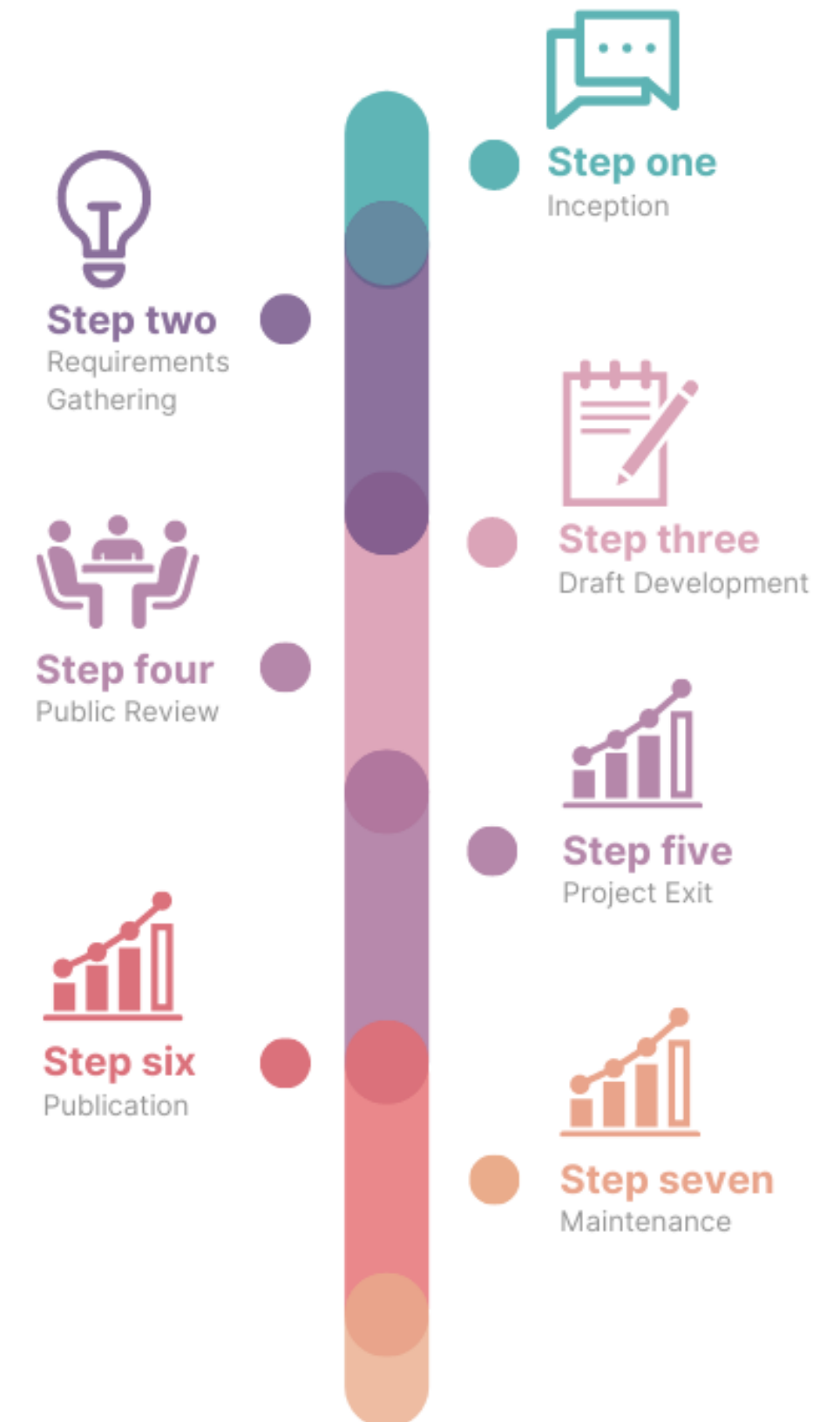
Seven-Step Process – Inception

1. Inception

The creation of a ***Project Proposal*** and the identification of potential project team members. The Project Proposal outlines the objectives, scope, and expected deliverables of the project.

Step one — Inception
Step two — Requirements Gathering
Step three — Draft Development
Step four — Public Review
Step five — Project Exit
Step six — Publication
Step seven — Maintenance

https://uncefact.unece.org/display/themepressdemo/templates

Seven-Step Process – Requirements Gathering

2. Requirements Gathering

- The process of identifying and defining the **_needs, objectives, and expectations_** of stakeholders for the development of a new UN/CEFACT standard or the revision of an existing one.

- This step also includes recruitment of individual to the project team to assist in the development of the project objectives.

Step one
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UN/CEFACT Open Development Process

UNECE UN / CEFACT

Seven-Step Process – Draft Development

3. Draft Development

Encompasses a variety of activities, including research, consultation with stakeholders, during the on-going nature of the project and the development.

- ***Project Team Calls*** (Weekly, Bi-Weekly, Monthly) supported by the UNECE Secretariat

- ***Documentation*** (Meeting Minutes/Recordings, Draft Documents, etc uploaded to the CUE)

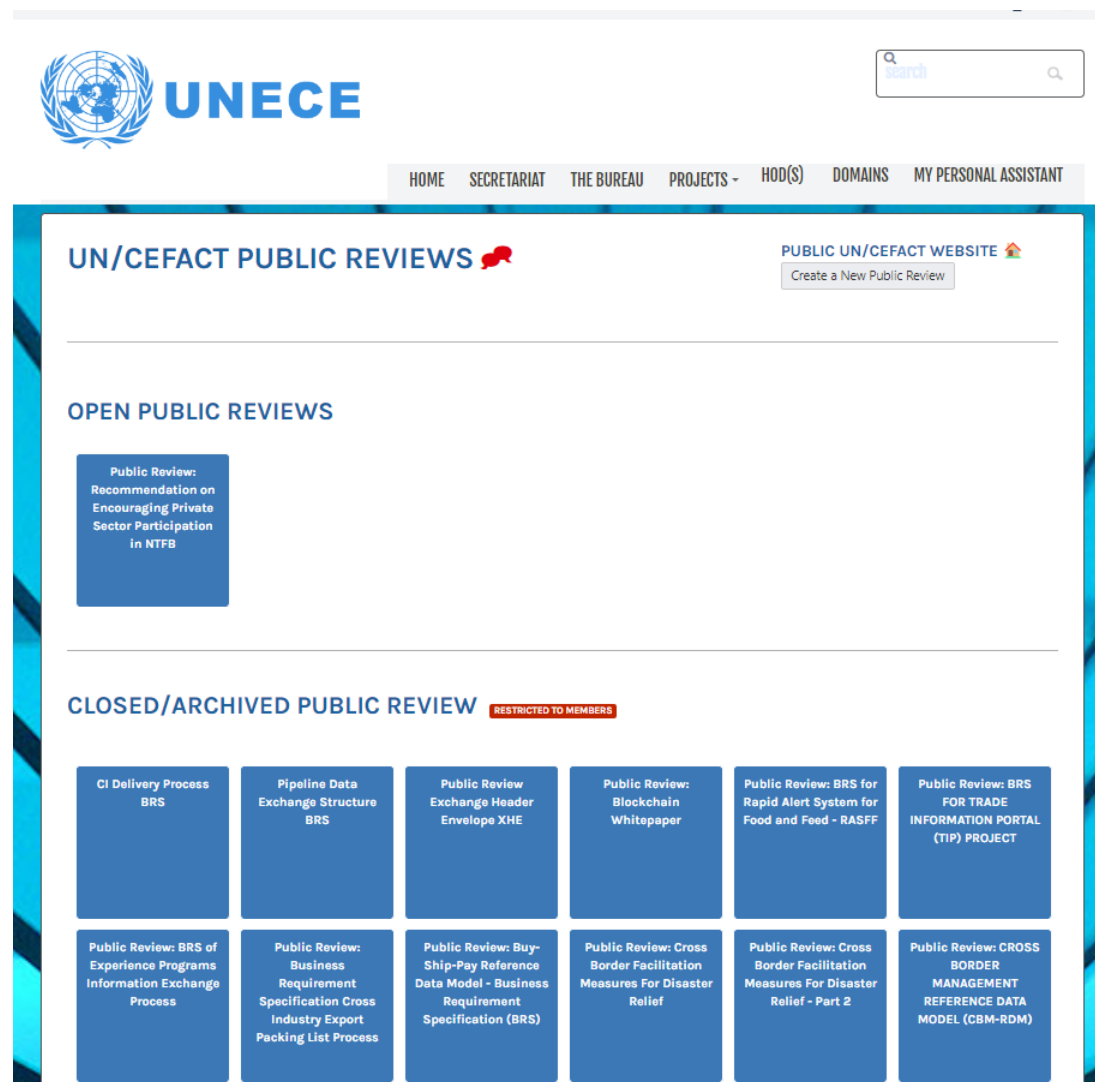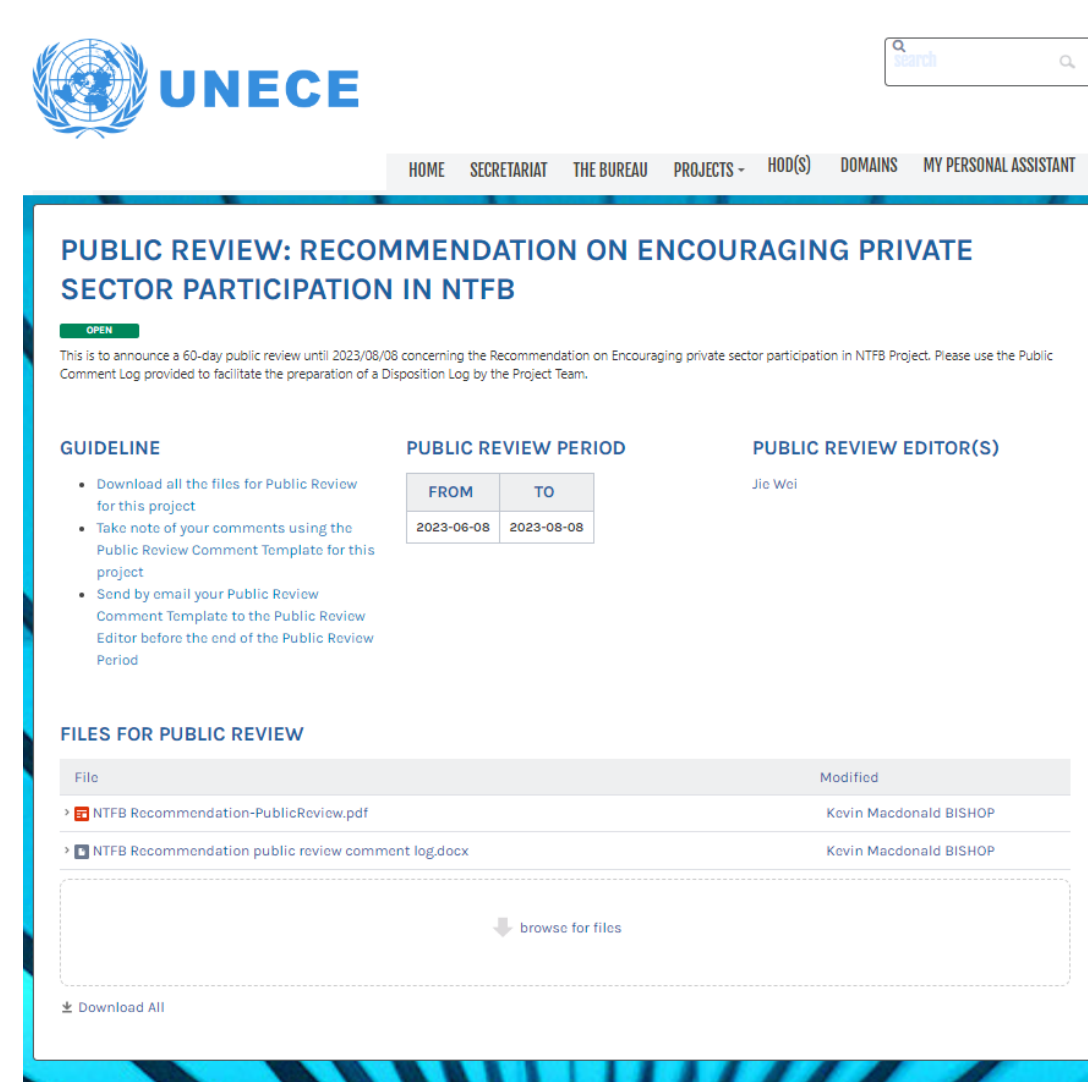- Project progress updates submitted to the Domain Coordinator and Bureau.

Step one
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UN/CEFACT Open Development Process

Seven-Step Process – Public Review

4. Public Review

The draft is published for public review and comment. Anyone can provide feedback on the draft, and the working group considers all comments received. The draft project deliverables are publicised and share on the UN/CEFACT CUE Platform with a comment log.

UN/CEFACT Open Development Process

Seven-Step Process – Project Exit

5. Project Exit

The project team considers the comments received during the public review and makes any necessary revisions to the draft to provide the final version.

UN/CEFACT Open Development Process

Seven-Step Process – Publication

6. Publication

The final version of the project deliverables are published.

Business Process Analysis - For exports of pharmaceutical products under HS heading 30.3 (Medicaments) and 30.4 from Georgia to the Central Asian countries
18 May 2022 - English
The report provides an overview of the general trade and regulatory context of Georgia and an analysis of the key economic figures of the pharmaceutical sector, such as industry composition and dynamics, and exports. It gives an overview of the country's transport networks and presents key facts of

United Nations E-Business Standards and Tools for Sustainable Agricultural Trade
03 May 2022 - English
This document presents the eQuality Certification system processes and business requirements for Fresh Fruit and Vegetables covered by marketing standards. It provides a high level functional description of the main business processes to be managed by an electronic Conformity Certificate

Digital and Sustainable Trade Facilitation in United Nations Special Programme for the Economies of Central Asia 2021
25 April 2022 - English
The report presents results of the 2021 United Nations Global Survey on Digital and Sustainable Trade Facilitation for six participants in United Nations Special Programme for the Economies of Central Asia (SPECA), namely Afghanistan, Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan,

The objective of this Buy-Ship-Pay Reference Data Model (BSP-RDM) BRS is to describe the requirements for a generic Reference Data Model (RDM), generalizing the concepts of the Multi-Modal Transport Reference Data Model (MMT-RDM) and the Supply Chain Reference Data Model (SCRDM), leading to the development, publishing and improving the maintenance of a Business Standard, which can be applied by country and regional administrations and industries.

Step one — Inception
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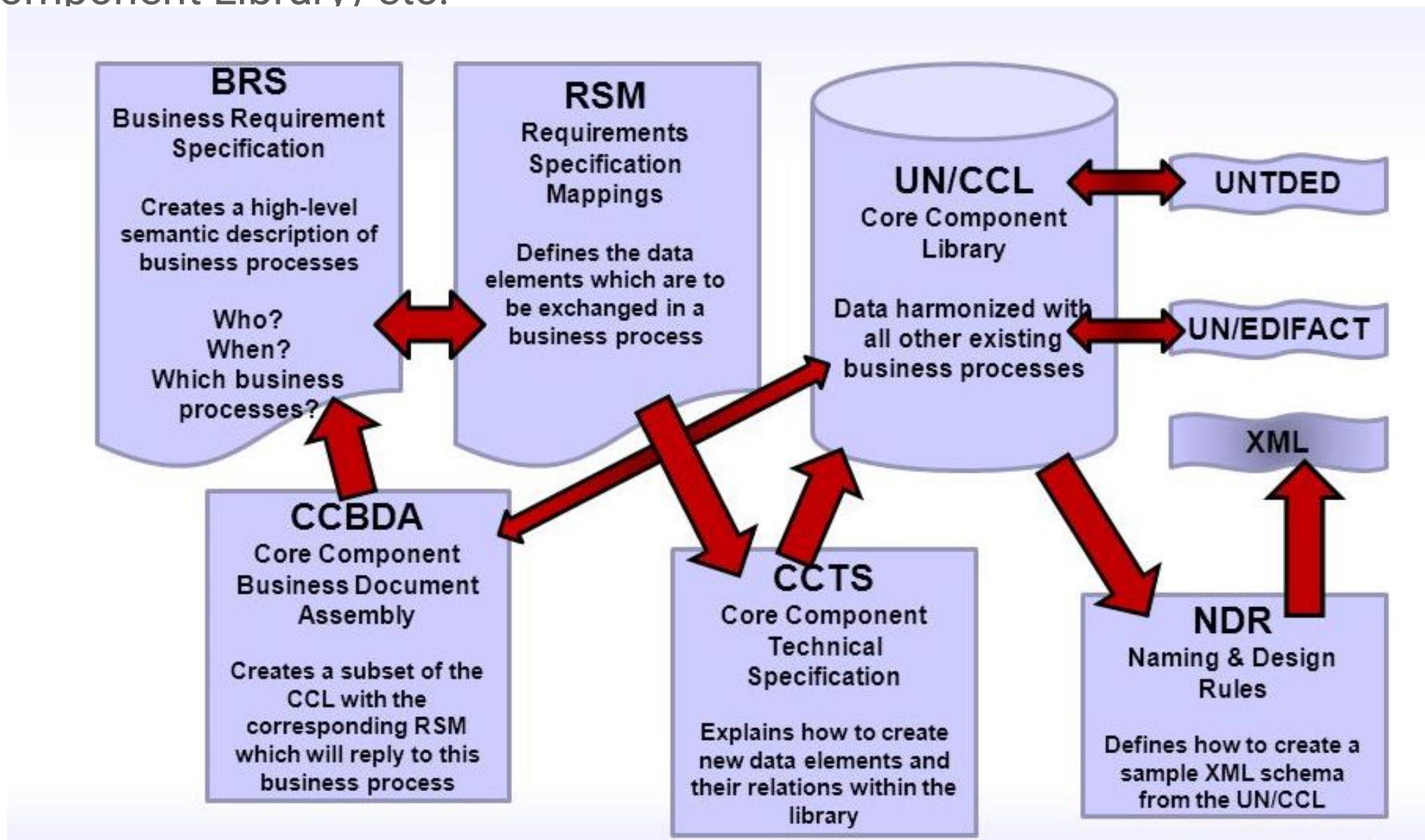**Step five** — Project Exit
Step six — Publication
Step seven — Maintenance

Seven-Step Process – Maintenance

7. Maintenance

Involves periodic reviews of existing standards to ensure that they remain relevant and effective. It may also include the addition on new data elements to the UN/CCL (Core Component Library) etc.
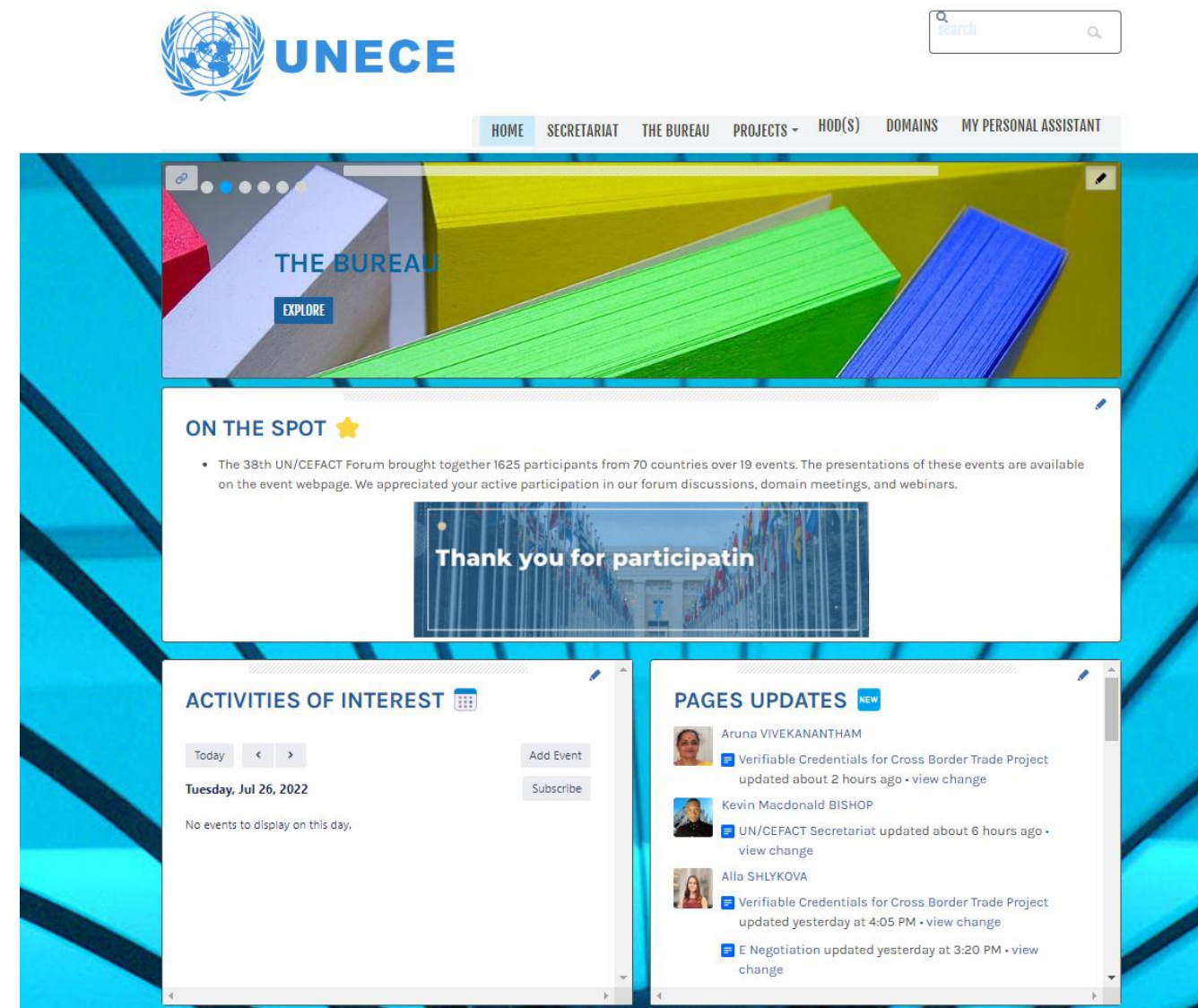

Standardizing Business Processes and Data

UN/CEFACT deliverables

Publication types for Plenary information or approval

- UNECE Recommendations for approval

- UN/CEFACT Business Standards for information

- UN/CEFACT Technical Standards for information

- UN/CEFACT deliverables for information

Home Page of the Collaborative UN/CEFACT Environment (CUE)
https://uncefact.unece.org/

How to Participate

1. Registration

i. Registering as a UN/CEFACT Expert and Access to the CUE

2. Introduction of Collaborative UN/CEFACT Environment (CUE)

i. Log-in to the platform

ii. Project pages etc

How to register as a UN/CEFACT Expert?
http://www.unece.org/cefact

https://uncefact.unece.org/display/uncefactpublic/
UNCEFACT+Expert+Registration

Active Projects

- Business Requirement Specific for Digital Product Conformity Certificate Exchange
- Digitalization Transit Accompanying Documents
- GeoFencing Facilities
- Parcel Goods Traceability in Last-mile Delivery
- Cross Border Inter-ledger Exchange for Preferential CoO Using Blockchain
- UN/CEFACT Chain Project
- Digital Identity Standardization for Trade Facilitation
- Transparency at Scale Digital Solutions for Trust, Resilience and Sustainability: Verifiable Credentials in Supply Chains
- Circular Economy Reference Data Model
- Critical Minerals Traceability and Sustainability

Thank you for your attention!

https://unece.org/trade/uncefact
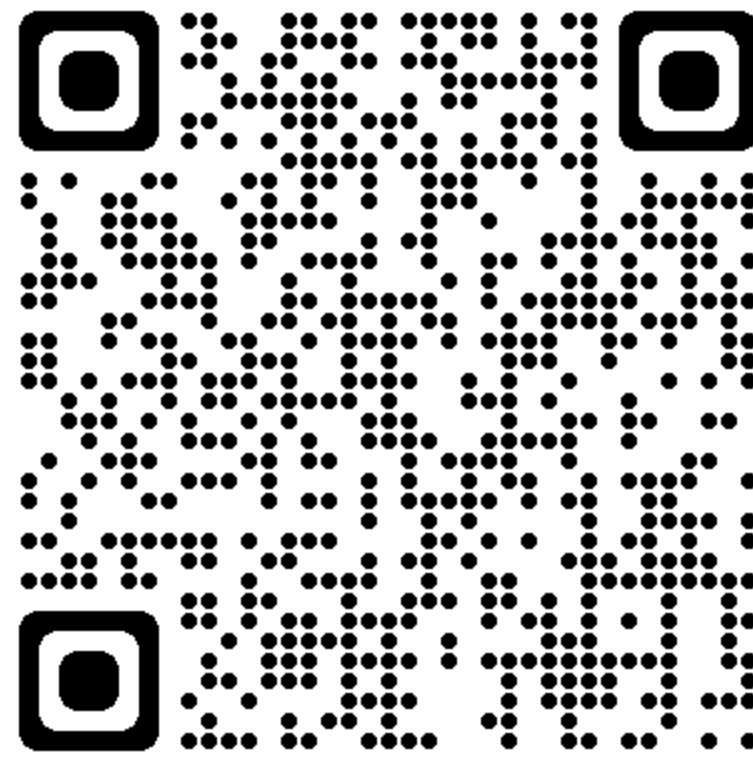
For any questions, contact the secretariat via email yan.zhang1@un.org