IHE EUROPE EXPERIENCE SESSIONS 15-17 JUNE 2021

IHE EUROPE 20TH ANNIVERSARY

UNICOM: IDMP in Europe

What does it mean for you?

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Dr Robert A. Stegwee

Chair, CEN Technical Committee 251 Health Informatics

UNICOM Work Package Lead on IDMP-related standards and terminologies

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UNICOM aims and objectives

UNICOM aims:

to break down barriers hindering

the free flow of

- **detailed**
- **semantically coded**
- **interoperable**

medicinal product information

across the globe

UNICOM objectives:

Implementation of IDMP for Marketing Authorization in EU countries and at EU level

Adaptation of Member States' cross-border digital health services to include IDMP

- ePrescribing and eDispensing
- Patient Summary

Exploration and implementation of IDMP in clinical practice:

- pharmacovigilance reporting
- medicinal product dictionaries
- digital health services

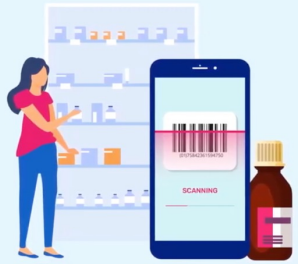
What Digital Health Services to expect?

Elena's Journey
From Athens to Brussels

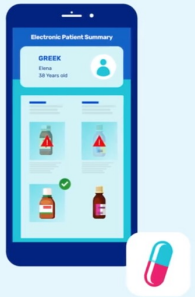
Elena's Journey
Intestinal pain

Elena's Journey
OTC medicine options in Belgium

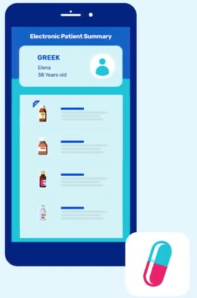
Elena's Journey
Overcome language barrier



Elena's Journey
Decision support



Elena's Journey
Update Health Record



Full video on YouTube

UNICOM at a glance

EC supported Innovation Action on the implementation of IDMP standards

A broad consortium of partners

- 14 National Competent Authorities for Medicinal Products – including support from the European Medicines Agency
- 7 National eHealth Competence Centers / National eHealth Contact Points
- 5 Industry Partners (Health IT)
- 5 Research Organisations
- 2 Medicinal Database Providers
- 11 Standards Developing Organizations

4 year program: 2020-2023

13 work packages

21 M€ total budget

National implementations in:
Austria, Belgium, Croatia, Estonia, Finland, Germany, Ireland, Norway, Portugal, Spain, Sweden, The Netherlands

The UNICOM project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875299

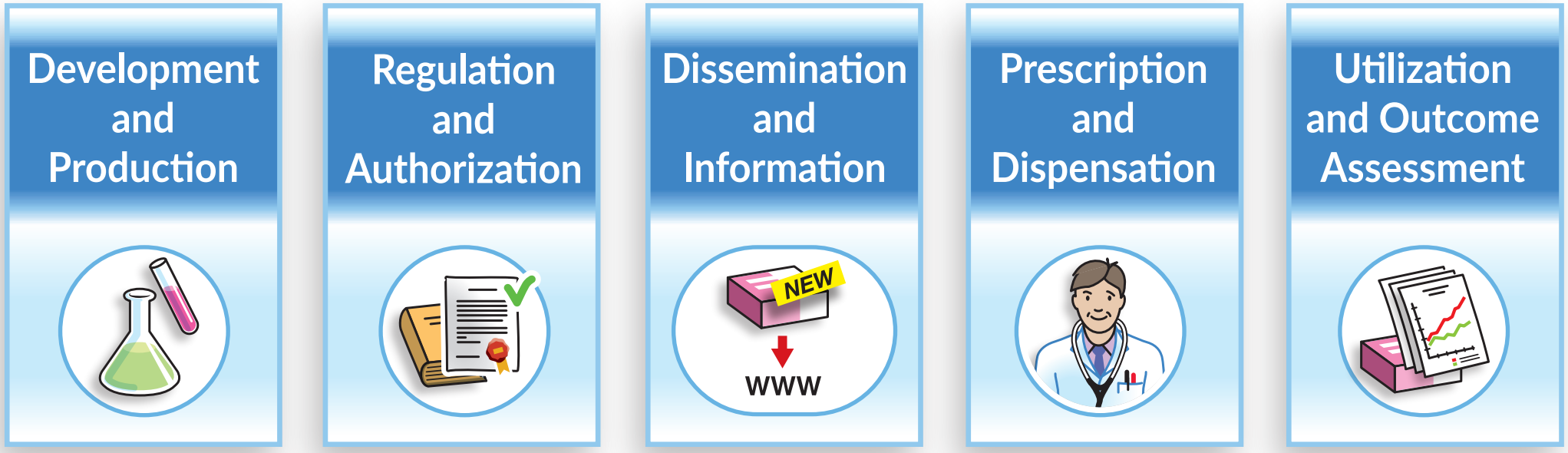
WP 1: IDMP-related standard and terminologies

Work Package 1 is grouping Standard Development Organisations (SDO) and related organisations, which have a transversal impact on UNICOM

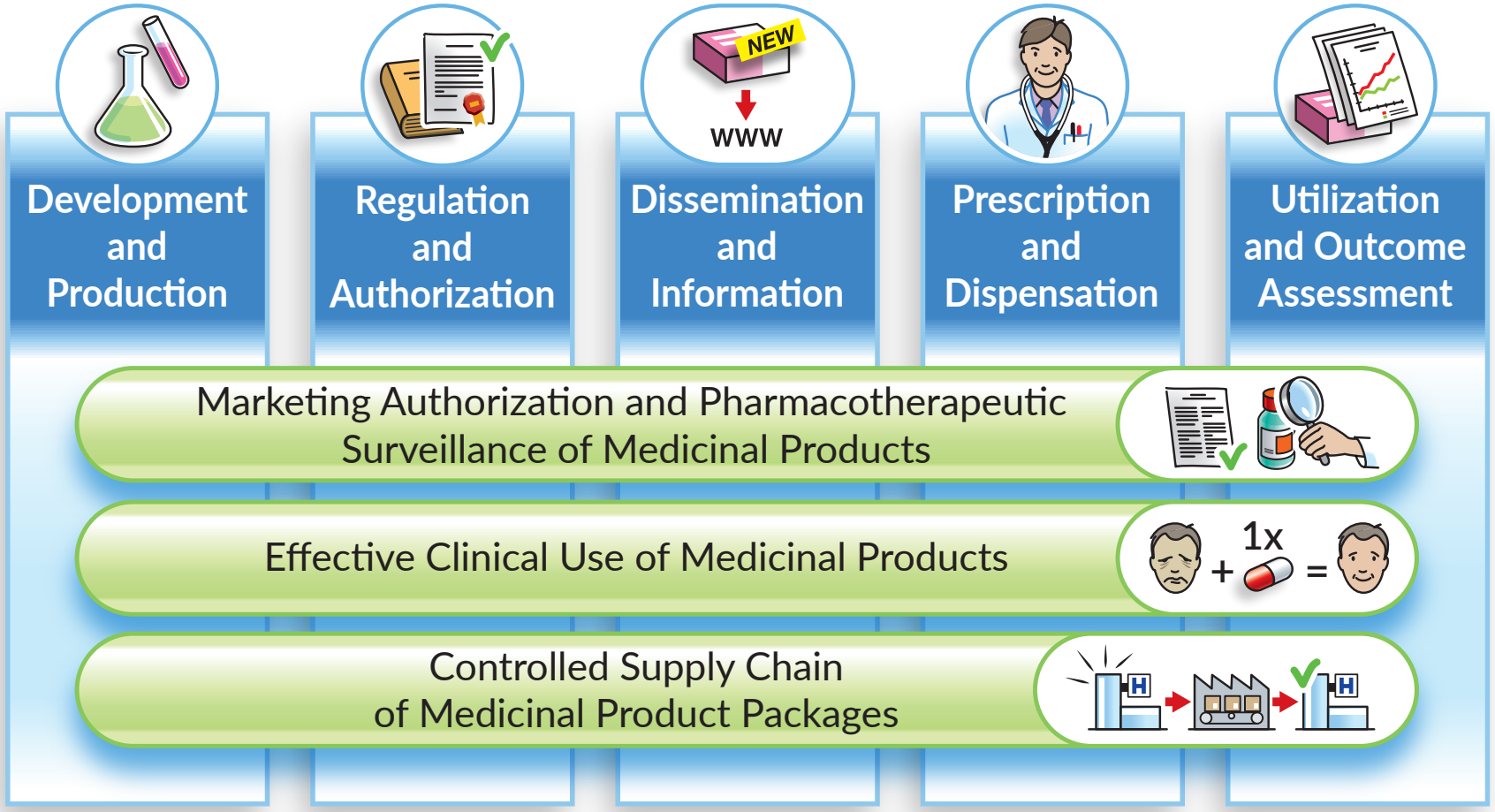
Our main task: to facilitate the implementation of IDMP Data Exchange

- Nearly 100 different standards define, use or should use IDMP in data exchange
- Liaising with all other WP, to gather their needs and provide inputs about standards

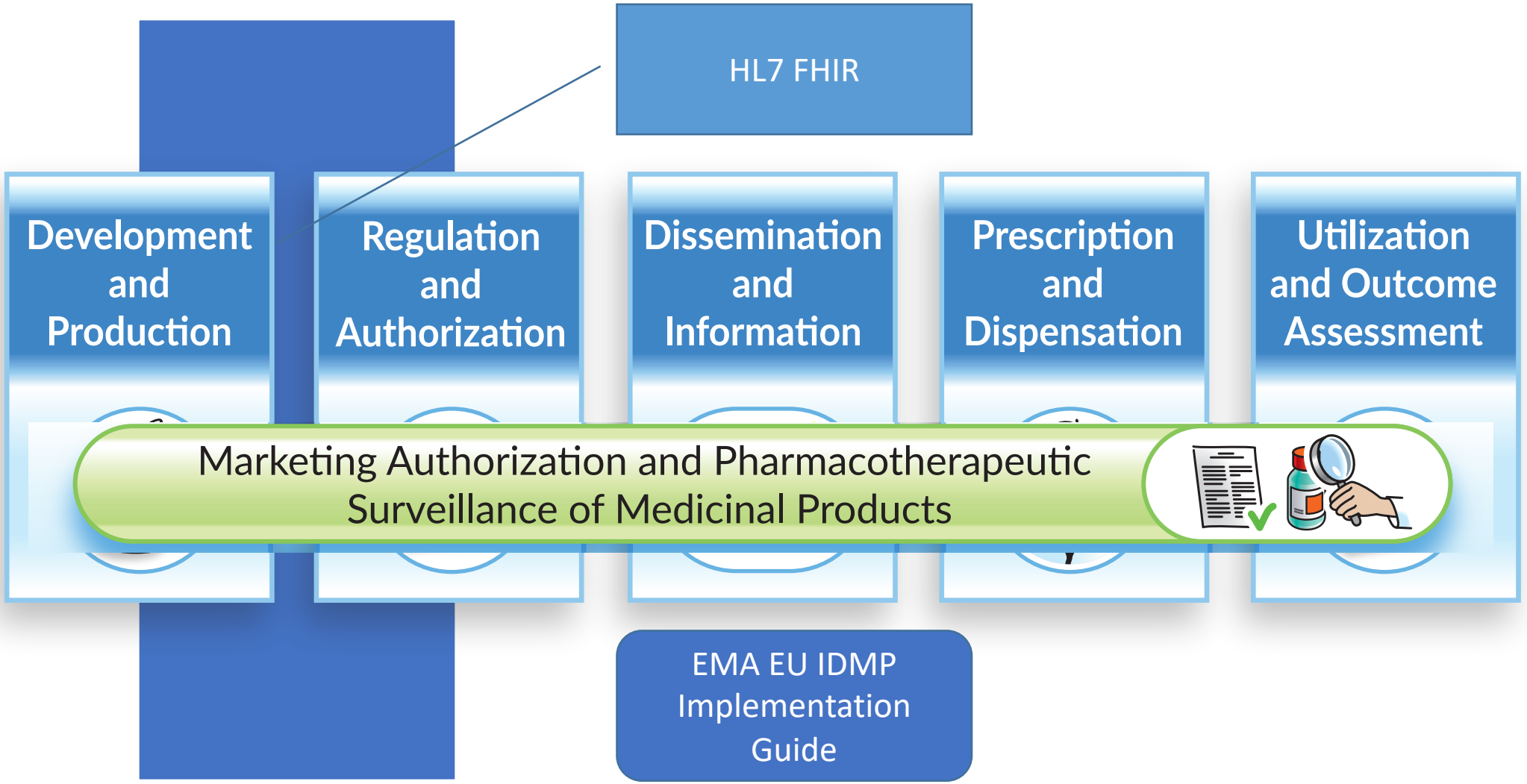
What is your role in the life-cycle of a medicinal product?



Which of the high-level processes are you engaged in?



Submission of medicinal product information



Examples from our UNICOM Community of Expertise

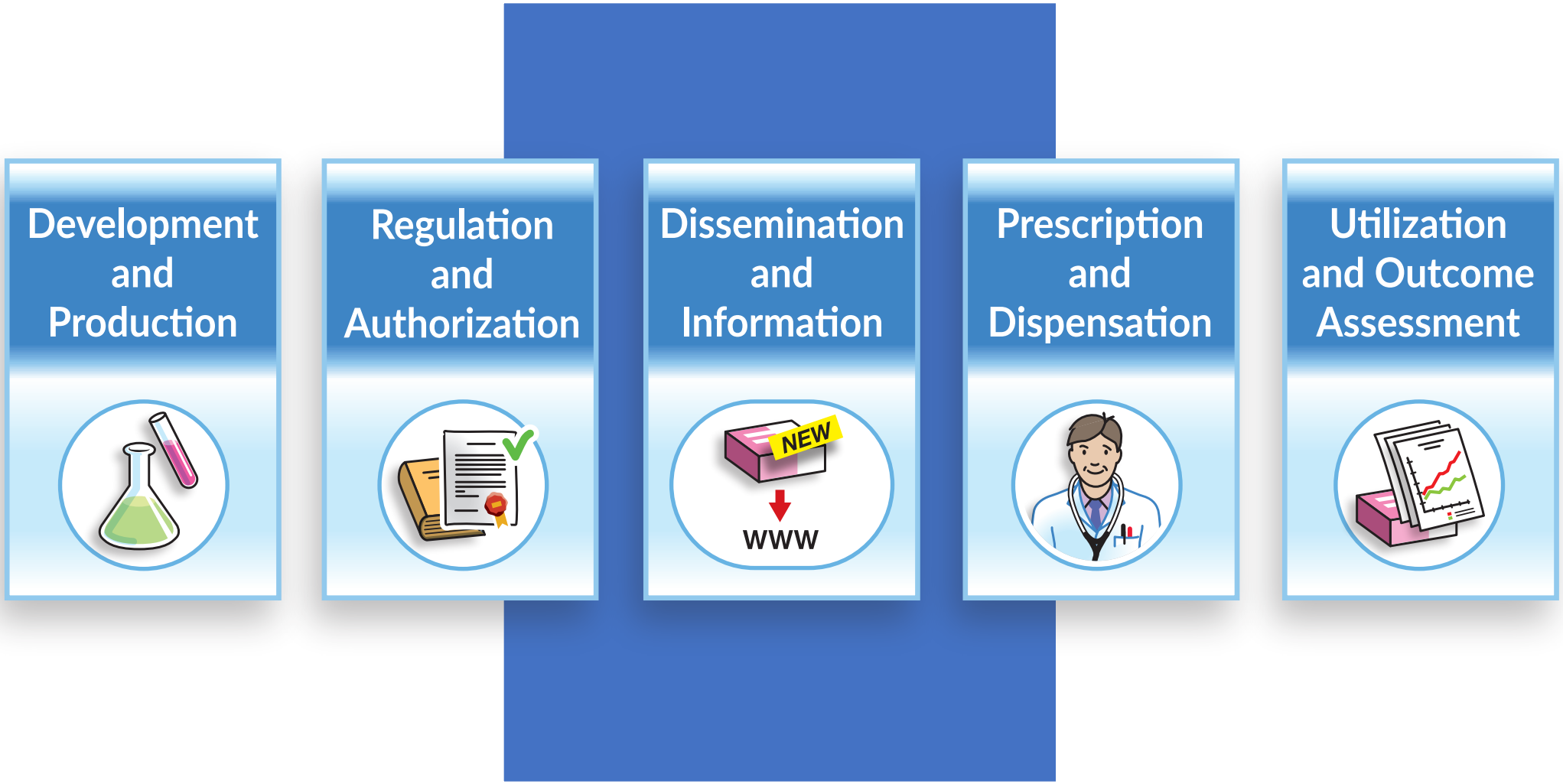
SNOMED International presentation on the representation of clinical information

1. Medicinal Product Dictionaries making available the Formulary and Decision Rules
2. Clinical Decision Support based on Formulary and Decision Rules
3. Ambulatory prescribing
4. Ambulatory dispensing
5. Adverse event reporting for (global) pharmacovigilance

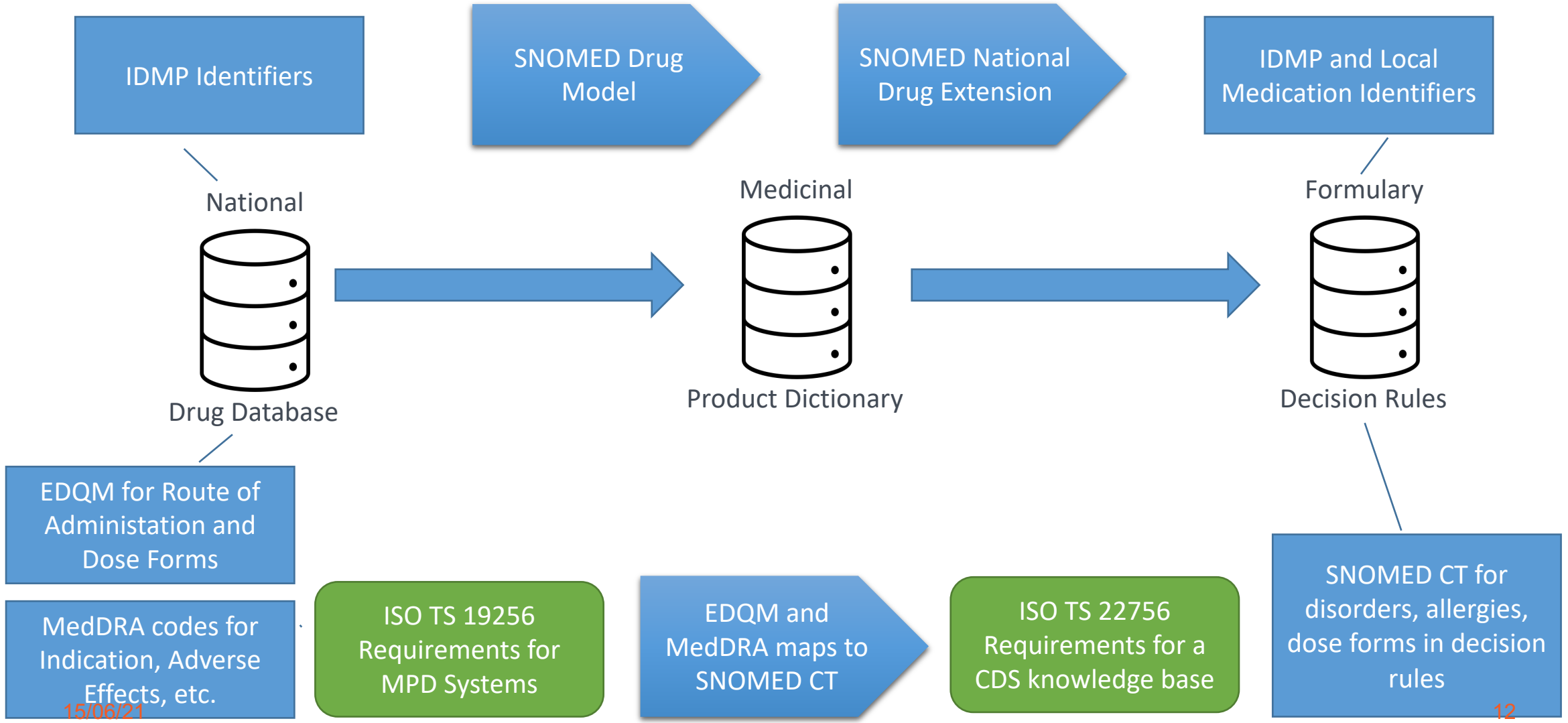
Full recording available on YouTube including real experience from MHRA

SNOMED International

Medicinal Product Dictionaries

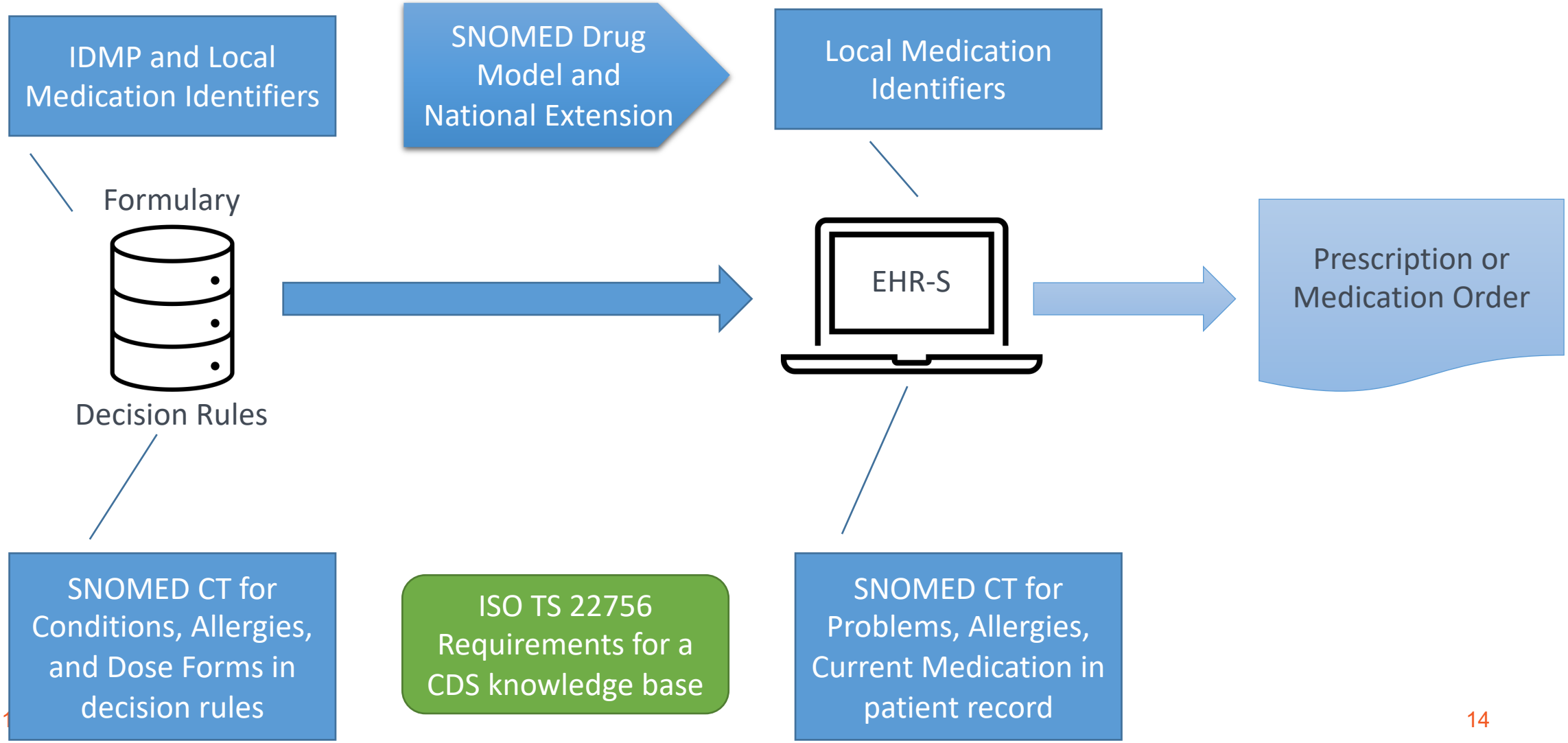


Medicinal Product Dictionaries



Clinical decision support for prescribing

Clinical decision support for prescribing

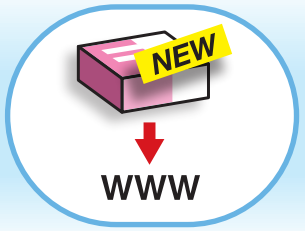


Ambulatory prescribing and dispensing

Development and Production

Regulation and Authorization

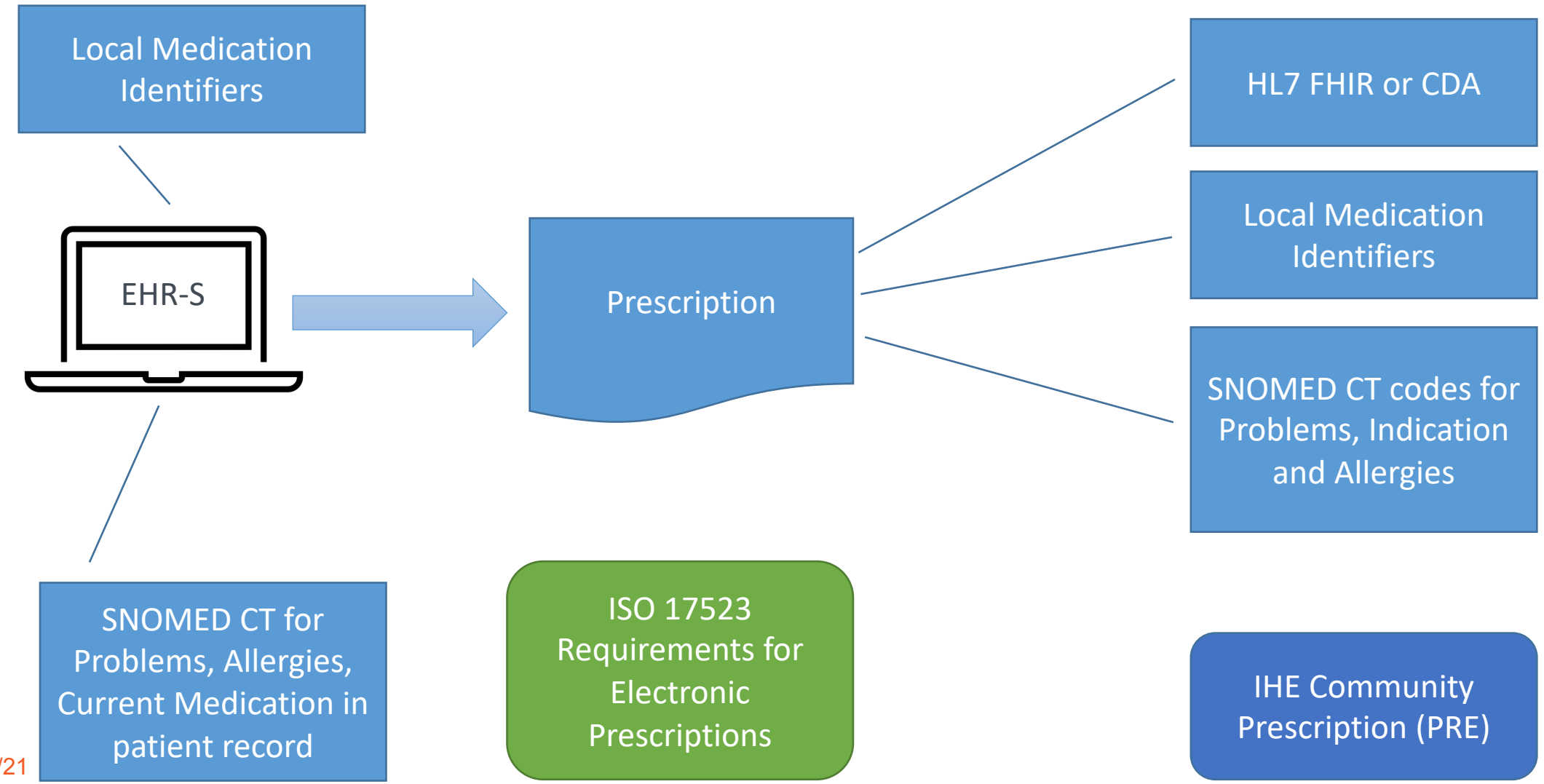
Dissemination and Information



Prescription and Dispensation

Utilization and Outcome Assessment

Ambulatory prescribing of medication



Ambulatory dispensing of medication

HL7 FHIR or CDA

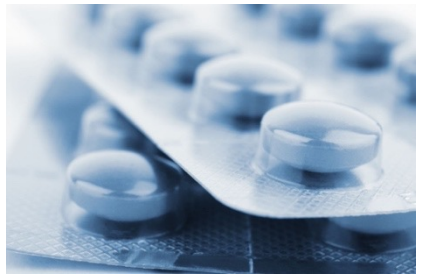
Local Medication Identifiers

GS1 item number and batch number

SNOMED CT code for Indication and Allergies

Pharmacy

Dispense record



ISO TS 19293 Requirements for Record of Dispense

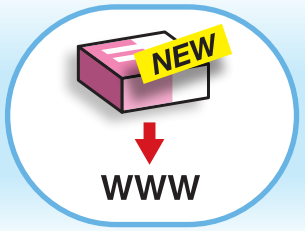
IHE Community Dispense (DIS)

Adverse event reporting

Development and Production

Regulation and Authorization

Dissemination and Information



Prescription and Dispensation

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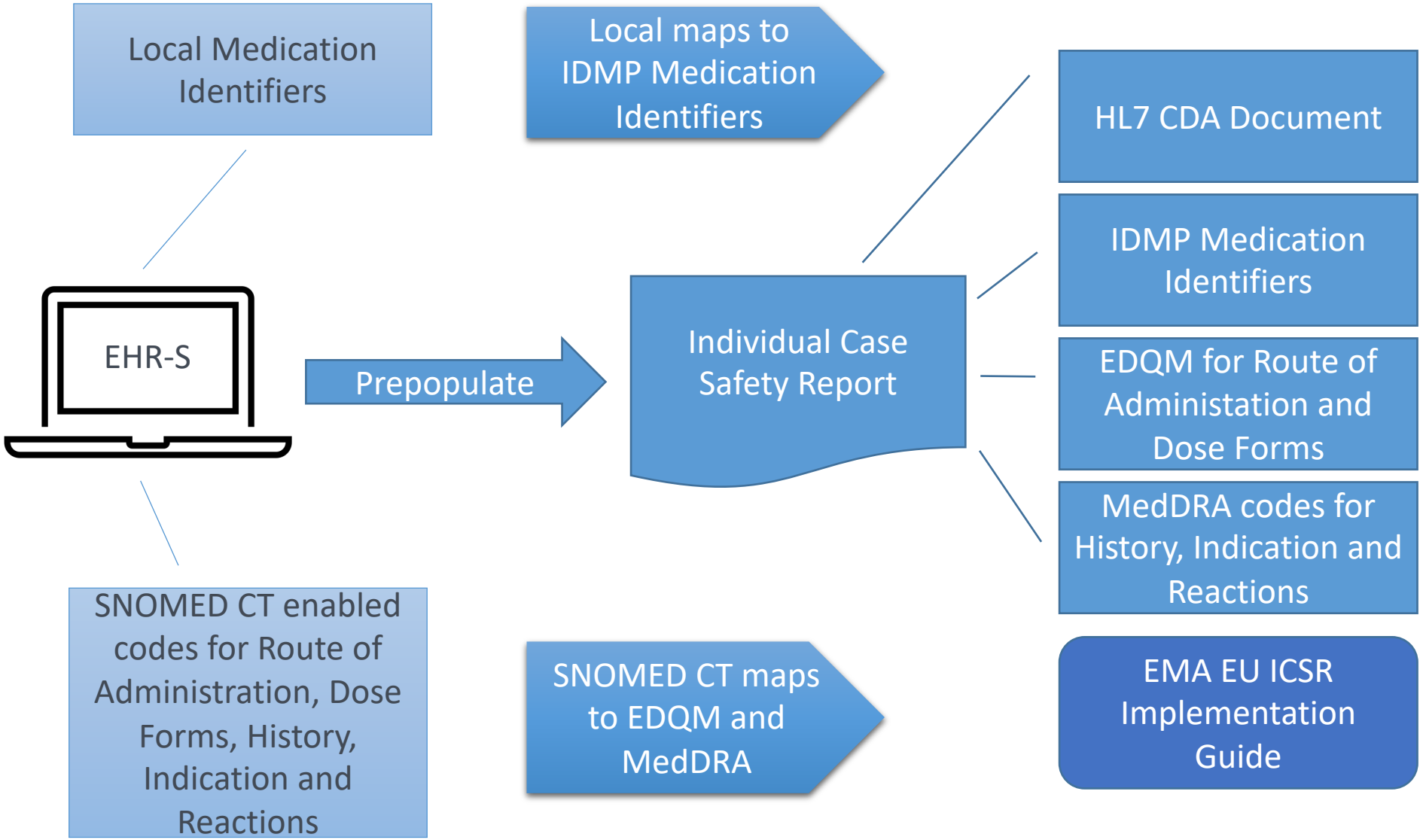

IDMP – What does it mean for you?

IDMP is being implemented in Europe **right now**

It involves an intricate interplay between a large number of **standards** and **terminologies**

It provides opportunities for **all players** in the medicinal product life-cycle

- Sometimes the impact is very limited
  - *E.g. mapping of local codes to IDMP-compliant codes*
- Sometimes it is quite extensive
  - *E.g. redesigning the interface with the national drug database*

You have the chance to **get** or **stay involved**:

- The UNICOM Community of Expertise discusses key issues

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IDMP – an opportunity to streamline the use of medication data across the globe

Stay tuned through https://unicom-project.eu/

or contact robert@trace-health.nl directly!

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