The French Digital Competence Framework

Frank Dufour

Ulysseus
EUROPEAN UNIVERSITY

SaNuRN
Santé Numérique Rouen Nice

Ulysseus EUROPEAN UNIVERSITY

Partners:

Universidad de Sevilla
Università di Genova
Université Côte d'Azur
Technical University of Košice
MCI The Entrepreneurial School
Haaga-Helia University of Applied Sciences

Funded by:

European Universities Erasmus+
Co-funded by the Erasmus+ Programme of the European Union
ulysseus.eu
Gobierno de España Ministerio de Universidades
Ministry of Education, Science, Research and Sport of the Slovak Republic
oead erasmus+

The Ulysseus Action has received funding from the European Union's Erasmus + Programme under the grant agreement No 101004050. The views and opinions expressed in this communication are the sole responsibility of the authors and do not necessarily reflect the views of the European Commission

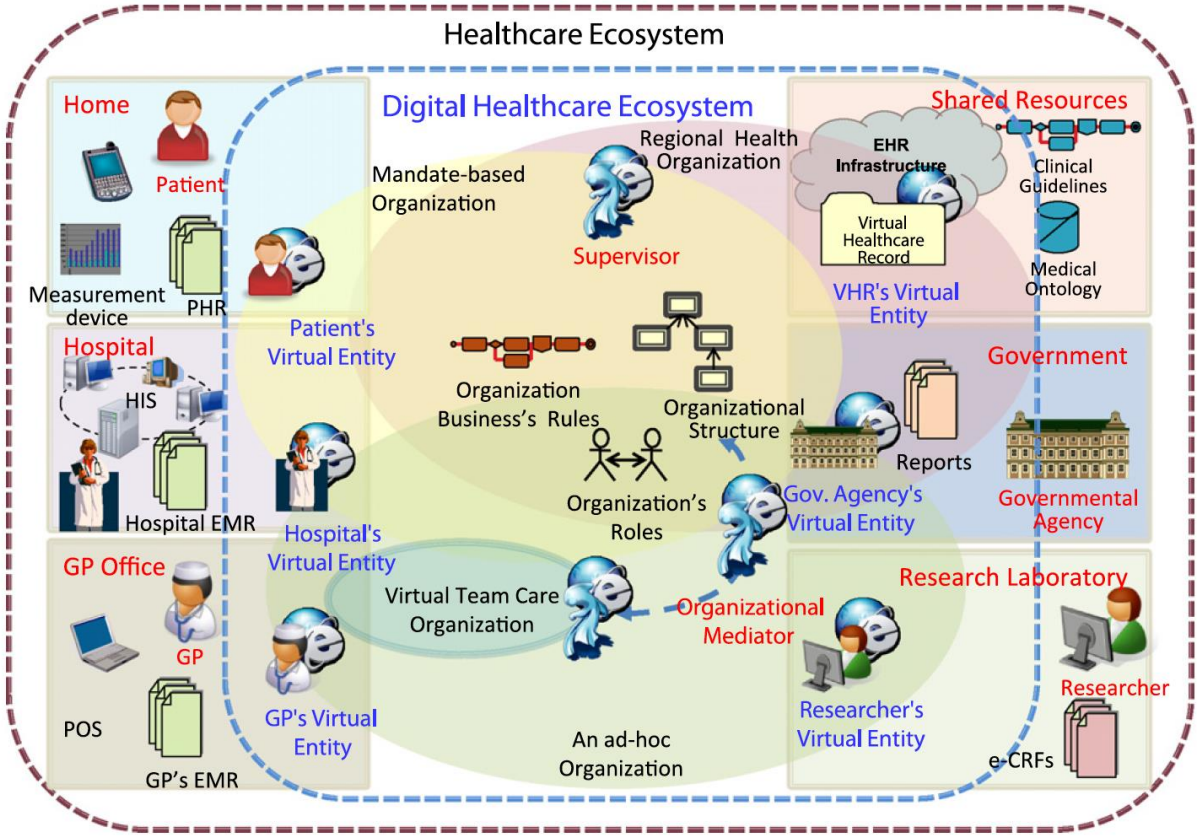
The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

Ulysseus EUROPEAN UNIVERSITY

Why establishing a Competence Framework?

One common goal :
Ensuring a dynamic coordination between socio-economic sectors and preparation of the workforce (education)



Co-funded by the Erasmus+ Programme of the European Union

Why establishing a Competence Framework?

Five main objectives:

Describing as accurately as possible the current state of a socio-economic sector in terms of intangible assets

Identifying the needs for maintaining and fostering these assets

Evaluating with a unique grid the preparedness and qualification of all actors in the sector

Predicting the future and planning for the *foreseeable* changes in the sector

Designing new curricula for a better preparation of future professionals

The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

Ulysseus EUROPEAN UNIVERSITY

The structure of the Competence Framework

5 Domains:

- HEALTH DATA
- COMMUNICATION in HEALTH
- DIGITAL TOOLS
- TELEMEDICINE
- CYBERSECURITY

Each domain is associated with specific competencies directly related to professional practices.

The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

Ulysseus EUROPEAN UNIVERSITY

The structure of the Competence Framework

HEALTH DATA

COMPETENCE

1.1 Identifying a patient or healthcare professional

1.2 Characterizing and processing personal health data in compliance with regulations

1.3 Accessing health data while respecting professional and legal requirements

1.4 Using health data for evaluation, research, and innovation

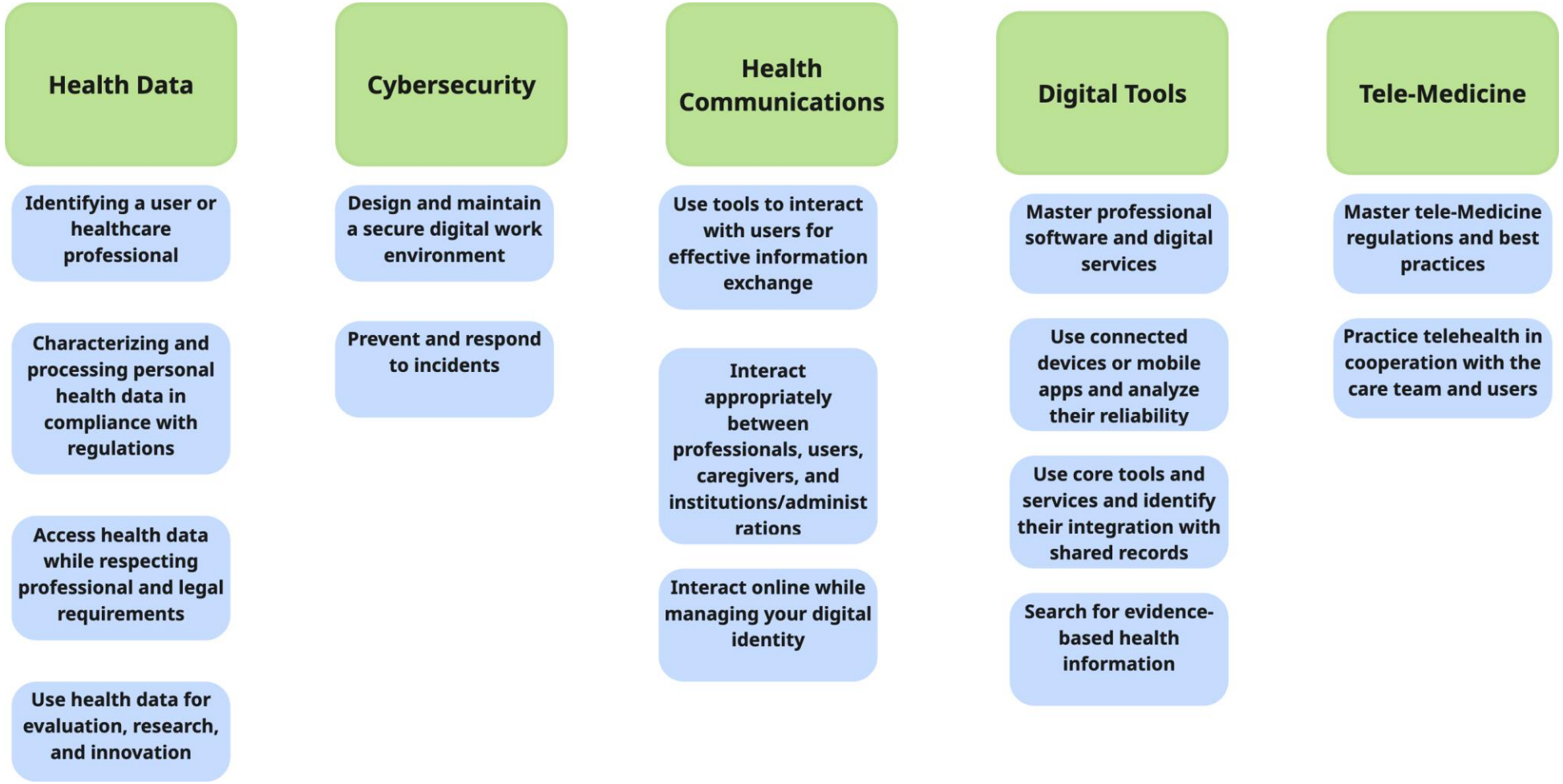
CAPACITY

- 1.1.1 Know the issues and criteria related to identity vigilance for a user [National Health Identifier (INS), national identity standards for natural persons].
- 1.1.2 Know the issues and criteria related to the identification of a professional or institution [shared directory of healthcare professionals (RPPS) for individuals, National Registry of Health and Social Institutions (FINESS) for legal entities].

The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

The structure of the Competence Framework

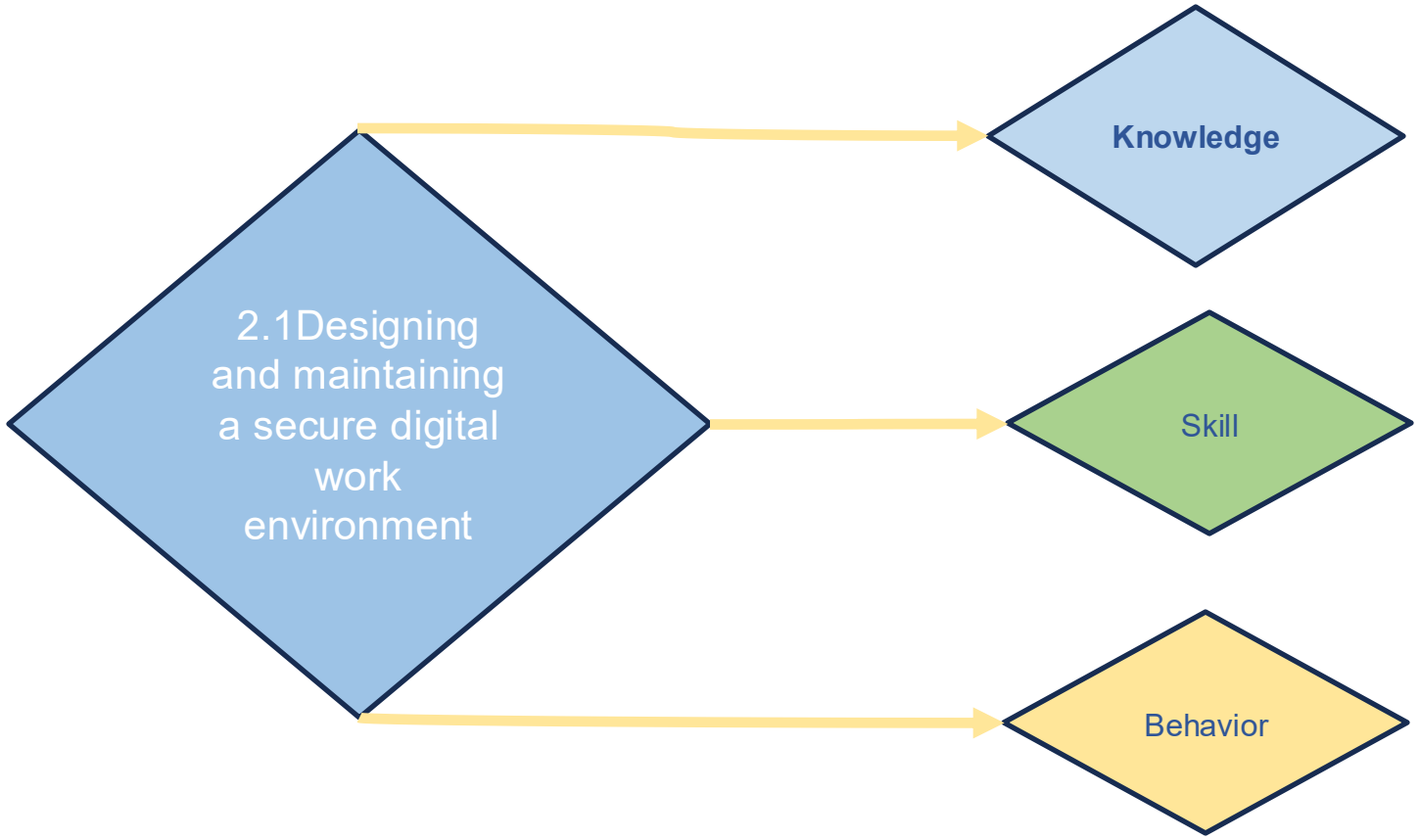


16 Competencies and 76 Capacities

The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

Our usage of the Competence Framework

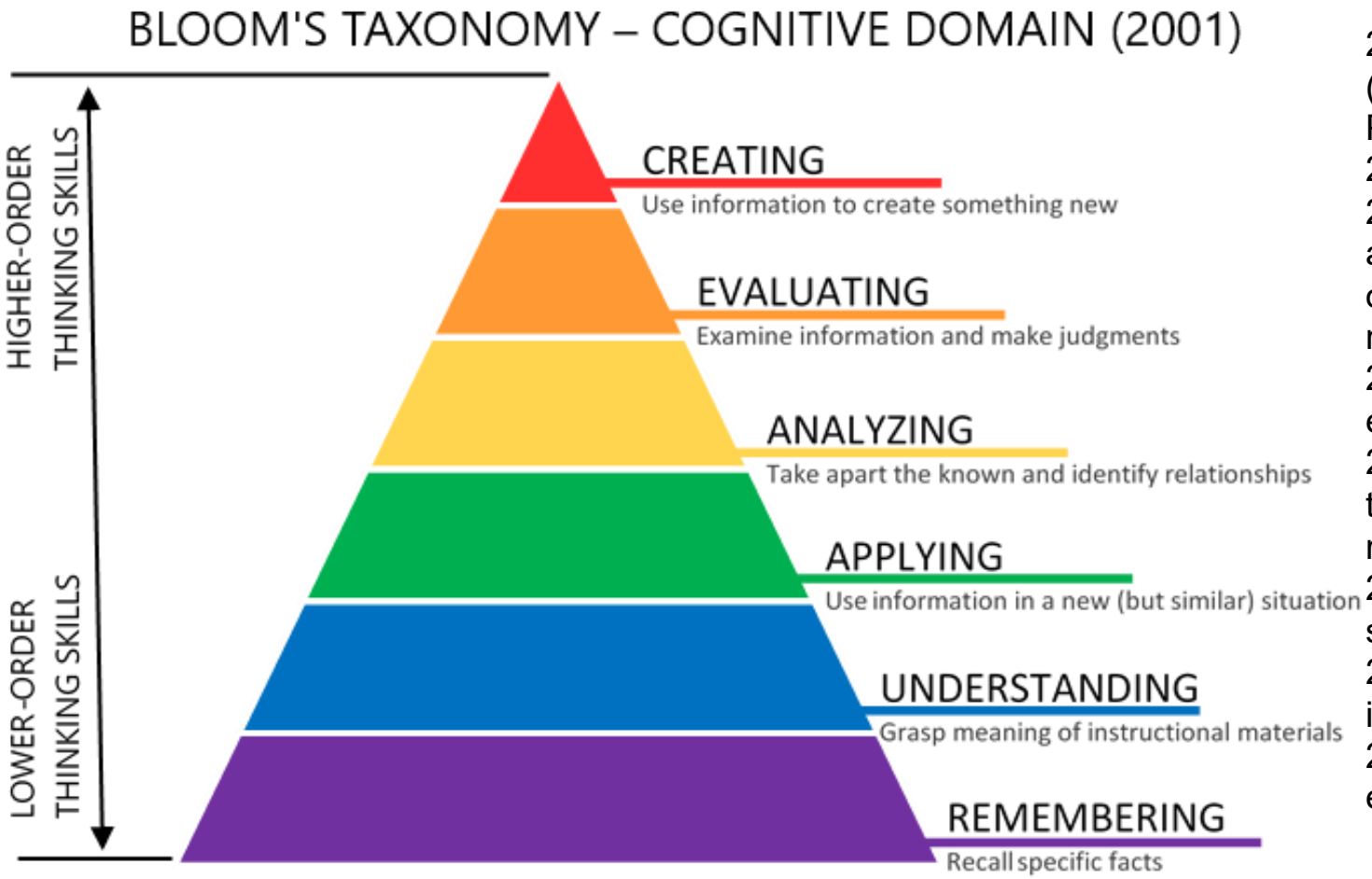


2.1.1 Being familiar with cybersecurity reference standards (in particular the General Information Systems Security Policy (PGSSI) and the ANSSI IT Security Guide)
2.1.2 Securing physical accesess location (session locking)
2.1.3 Configuring your workstation and cell phone (antivirus and update management, data encryption and backup, use of software that complies with security and confidentiality rules)
2.1.4 Managing removable devices and mobile use of equipment
2.1.5 Understanding the different authentication principles, the benefits of strong and two-factor authentication, and robust password management
2.1.6 Securing your email and follow best practices for sending and receiving emails and messages
2.1.7 Understanding the challenges of electronic identification as applied to the healthcare sector
2.1.8 Implementing best practices to secure your environment

The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

Our usage of the Competence Framework



2.1.1 Being familiar with cybersecurity reference standards (in particular the General Information Systems Security Policy (PGSSI) and the ANSSI IT Security Guide)
2.1.2 Securing physical accesess location (session locking)
2.1.3 Configuring your workstation and cell phone (antivirus and update management, data encryption and backup, use of software that complies with security and confidentiality rules)
2.1.4 Managing removable devices and mobile use of equipment
2.1.5 Understanding the different authentication principles, the benefits of strong and two-factor authentication, and robust password management
2.1.6 Securing your email and follow best practices for sending and receiving emails and messages
2.1.7 Understanding the challenges of electronic identification as applied to the healthcare sector
2.1.8 Implementing best practices to secure your environment

The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

Our usage of the Competence Framework

2.1Designing and maintaining a secure digital work environment

Knowledge

2.1.1 Being familiar with cybersecurity reference standards (in particular the General Information Systems Security Policy (PGSSI) and the ANSSI IT Security Guide)

Skill

2.1.3 Set up your workstation and mobile phone with antivirus management and updates, data encryption and backup, use of software compliant with security and confidentiality rules

Behavior

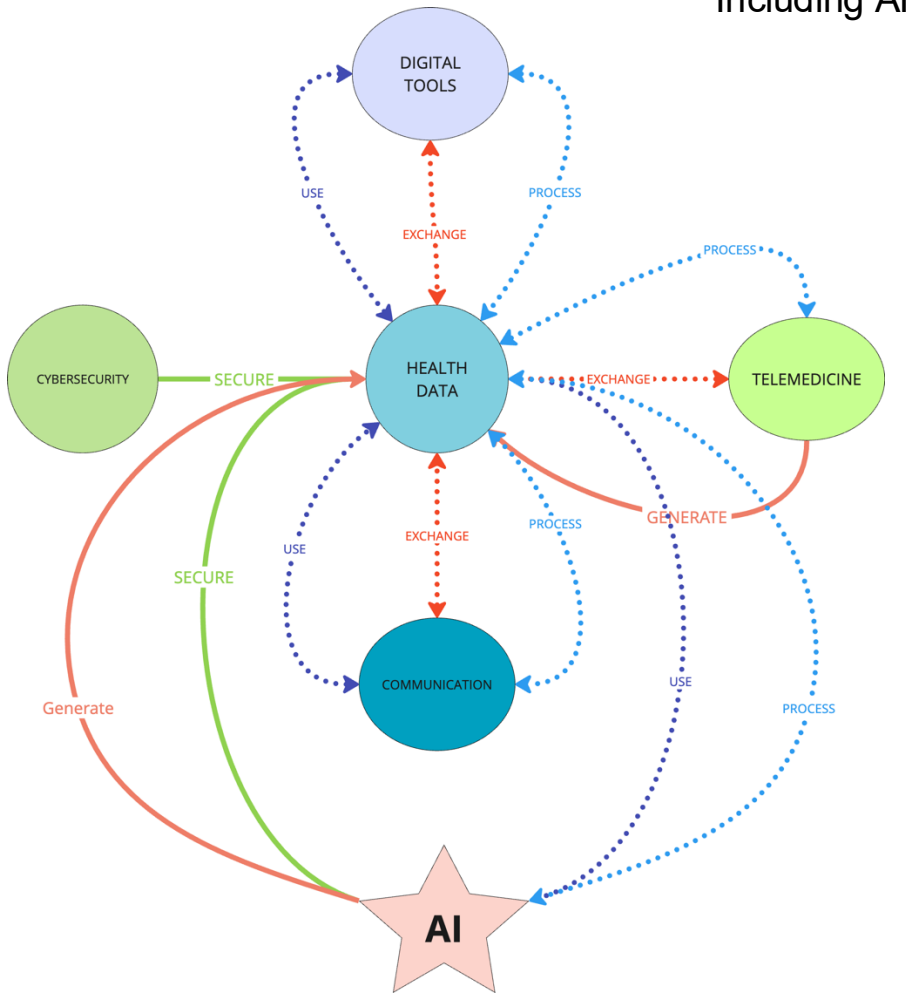
Secure your messaging and observe best practices for sending and receiving emails and messages

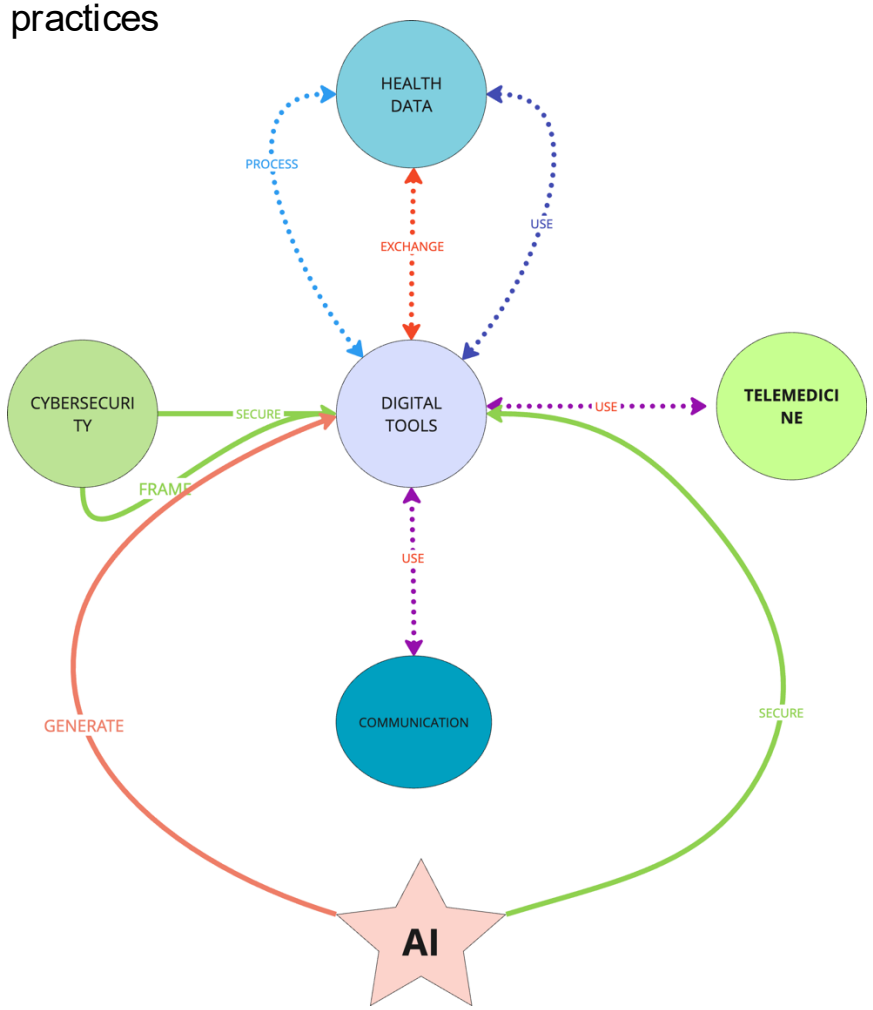
The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

Contributing to the evolution of the framework

Including AI in Digital Health technologies and practices





The French Digital Competence Framework

Co-funded by the Erasmus+ Programme of the European Union

Contributing to the evolution of the framework

Comparing with other frameworks of the same sector

The French National Competency Framework

- **Health Data**
  - Identifying a user or healthcare professional
  - Characterizing and processing personal health data in compliance with regulations
  - Access health data while respecting professional and legal requirements
  - Use health data for evaluation, research, and innovation
- **Cybersecurity**
  - Design and maintain a secure digital work environment
  - Prevent and respond to incidents
- **Health Communications**
  - Use tools to interact with users for effective information exchange
  - Interact appropriately between professionals, users, caregivers, and institutions/administrations
  - Interact online while managing your digital identity
- **Digital Tools**
  - Master professional software and digital services
  - Use connected devices or mobile apps and analyze their reliability
  - Use core tools and services and identify their integration with shared records
  - Search for evidence-based health information
- **Tele-Medicine**
  - Master tele-Medicine regulations and best practices
  - Practice telehealth in cooperation with the care team and users

The DECODE Competency Framework

- **Professionalism in Digital Health**
  - Professionalism, ethical, legal, and regulatory considerations in digital health
  - Digital identity, safety, and security
- **Patient, consumer, and population digital health**
  - Digital health literacy
  - Personal health records
  - Telehealth
  - Digital diagnostics
  - Sensors, wearables, and internet of
  - Health apps and digital therapeutics
  - Internet-based health interventions
  - Digital Determinants of Health
- **Health information systems**
  - Data governance and data management
  - Foundation and principles of health information systems
  - Electronic health records
  - Health information exchange
  - Human-centered design in digital health
- **Health Data Science**
  - Public health informatics
  - Artificial intelligence in healthcare
  - Computational thinking in medicine
  - Precision Medicine

Co-funded by the Erasmus+ Programme of the European Union

Contributing to the evolution of the framework

Comparing frameworks of the same sector in different countries

Next workshop: contributing to the development of a European Competency Framework

Co-funded by the
Erasmus+ Programme
of the European Union

Take Home Messages

This afternoon

Take Home Messages

Co-funded by the
Erasmus+ Programme
of the European Union

Co-funded by the
Erasmus+ Programme
of the European Union

Conclusion

Co-funded by the Erasmus+ Programme of the European Union

Ulysseus EUROPEAN UNIVERSITY

Thank you

The Ulysseus Action has received funding from the European Union's Erasmus + Programme under the grant agreement No 101004050. The views and opinions expressed in this communication are the sole responsibility of the authors and do not necessarily reflect the views of the European Commission.

Universidad de Sevilla

Università di Genova

Université Côte d'Azur

Technical University of Košice

MCI The Entrepreneurial School

Haaga-Helia University of Applied Sciences

Funded by:

European Universities Erasmus+

Co-funded by the Erasmus+ Programme of the European Union

ulysseus.eu

Gobierno de España Ministerio de Universidades

Ministry of Education, Science, Research and Sport of the Slovak Republic

oead erasmus+