



Advancing eHealth
Interoperability

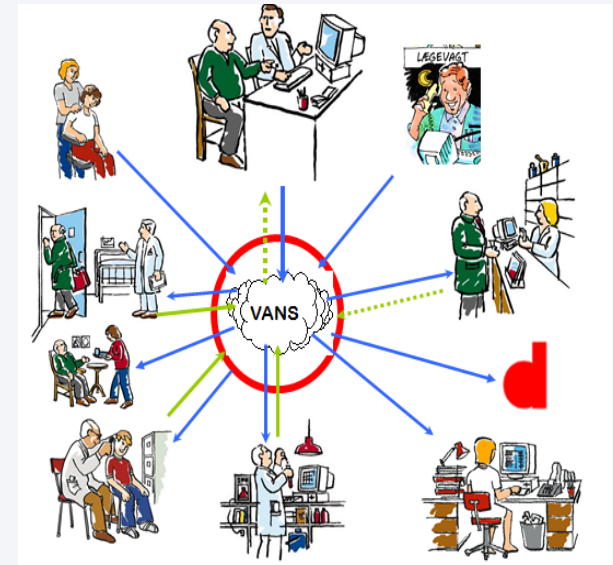
Adoption and take up of standards and profiles for e-Health Interoperability

Jos Devlies, EuroRec, Belgium

based on a presentation by Ib Johanson, MedCom , DK

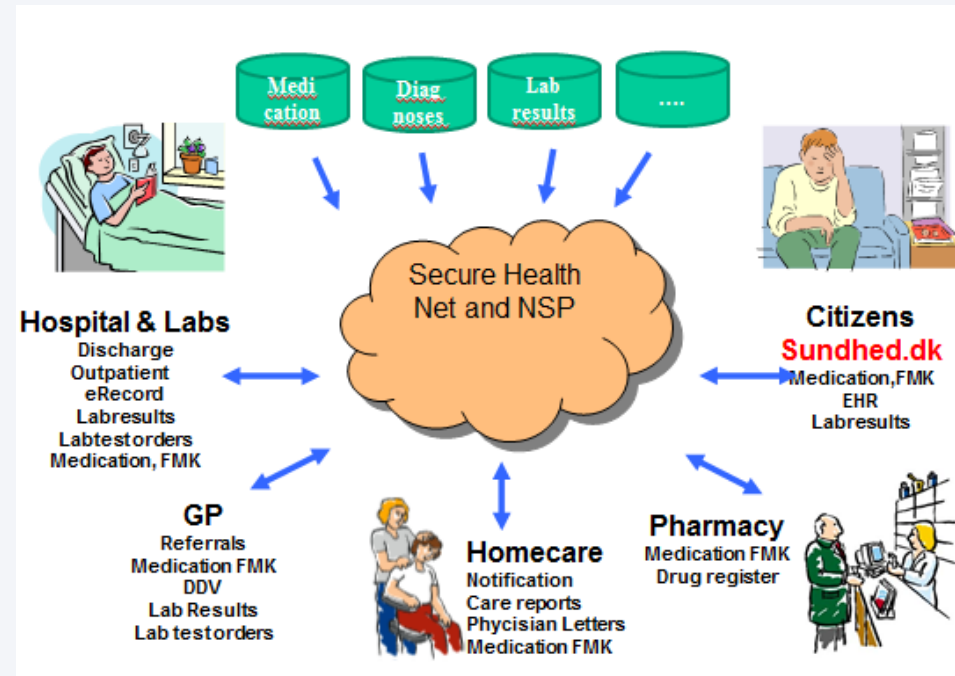
ANTILOPE

- Thematic network
- To promote use of standards and profiles for e-Health interoperability and
- To foster their adoptions across EU





- Quality and efficiency of care are prerequisites for affordable care.
- Quality is never granted for free and needs to be proven.
- Efficiency requires sharing and reuse of clinical data
- Interoperable services requires standards based data exchange services and content definition
- Interoperability identified by the eHealth European Interoperability Framework as a priority.



The ability of two or more
systems or components

to exchange information

and to use the information
that has been exchanged

Source: Institute of Electrical and Electronics Engineers.

IEEE Standard Computer Dictionary: A Compilation of IEEE Standard Computer Glossaries.

New York, NY: 1990.



- Digital Agenda and eHealth action plan 2012-2020
- European Projects:
 - 2008-2013 – EpSOS : Cross border exchange of medical data
 - 2009-2012 – EHR-Q^{TN} : Quality and Certification of EHR systems
 - 2010-2011 - HITCH (Healthcare Interoperability testing and Conformance Harmonisation) : eHealth Interoperability roadmap
 - 2012 - eEIF: eHealth Interoperability Framework
 - 2013 – 2015- Antilope, Thematic Network



HITCH:

1. There is a need for a widely accepted quality guide for interoperability testing based on existing quality standards.
2. An organized collaboration is needed to reduce the fragmentation and lack of maturity in interoperability test tools and test plans in specific areas.



Antilope a thematic network:

- Develop documentation and educational materials related to existing standards and profiles for eHealth interoperability mentioned in the **eEIF** report and:
- Drive adaption and improve the standard development process
- Define QA testing guidelines for interoperability
- Propose a labelling and certification process (EU level and national level)




Antilope Core and Expert Partners





MEDIQ

Denmark, Norway, Sweden Finland, Iceland, Estonia, Lithuania, Latvia

 **NÁRODNÉ CENTRUM ZDRAVOTNÍCKYCH INFORMÁCIÍ**

Poland, Czech Republic, Slovakia, Hungary

IHE UK Integrating the Healthcare Enterprise

Ireland, United Kingdom

 **PROREC-BE**

Belgium, The Netherlands, Luxemburg

Interop Santé
Pour des systèmes d'information communicants

France, Switzerland,

 **FACHHOCHSCHULE TECHNIKUM WIEN**

Germany, Austria

 **PROREC-SI**

Slovenia, Croatia, Serbia, Bosnia, FYE Macedonia, Montenegro

 **assinteritalia**

Italy, Malta

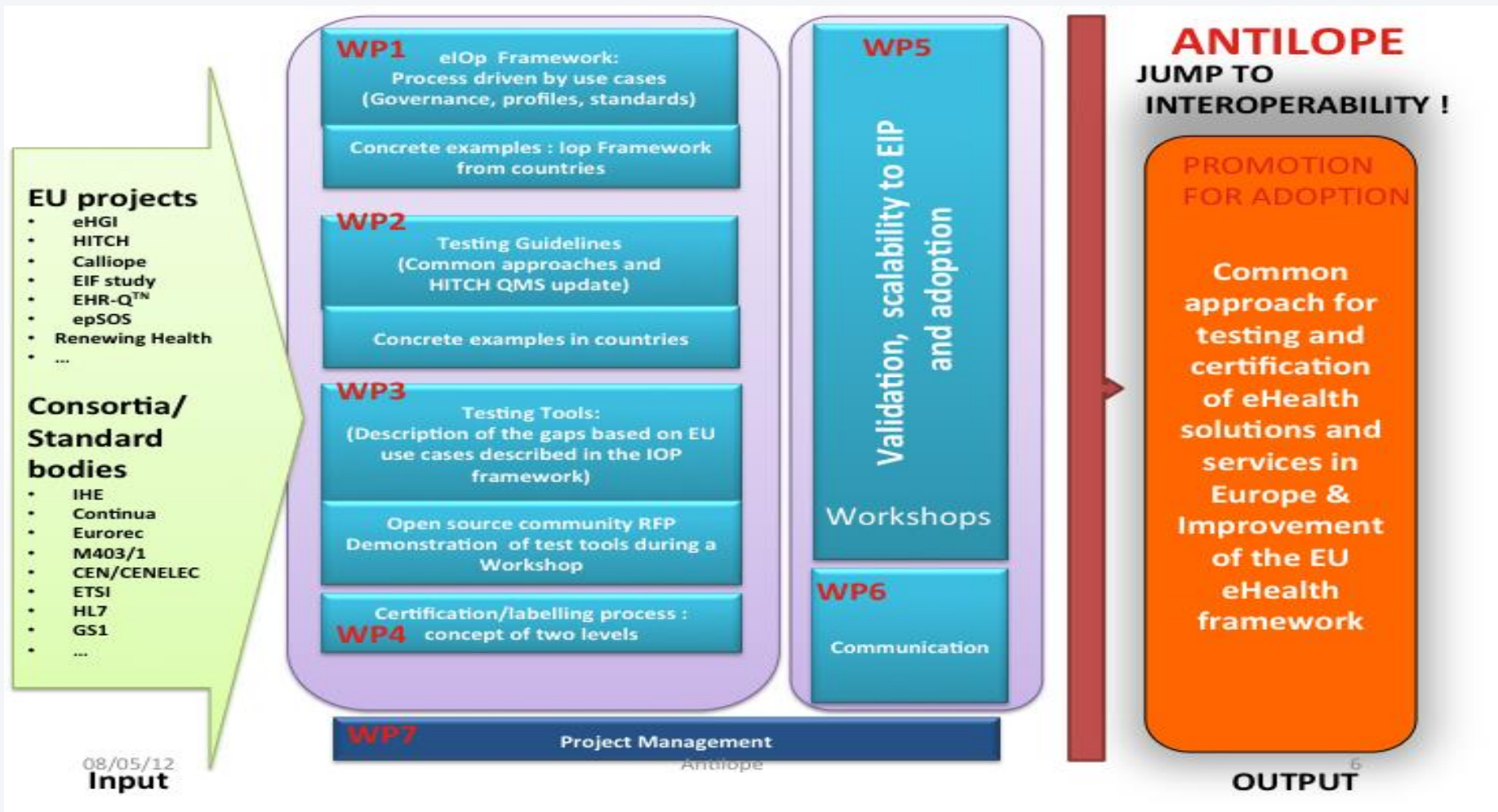
 **TicSalut**
Technology, innovation and health

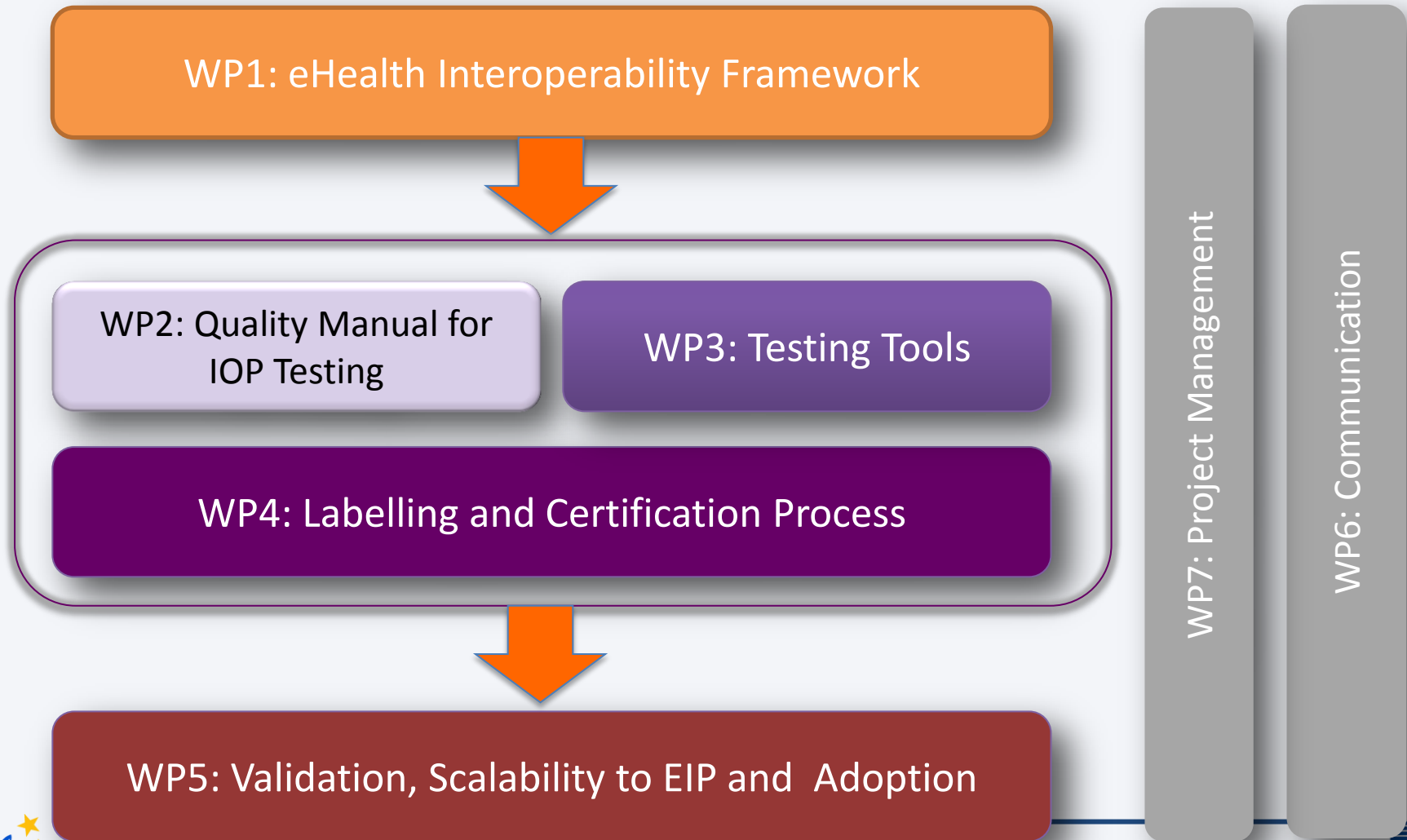
Portugal, Spain

 **HL HELLAS**

Romania, Bulgaria, Greece, Cyprus, Turkey

Antilope, Background, purpose, outcome







- **To agree that**
 - interoperability is essential for care safety and cost containment
 - interoperability of eHealth systems should never be taken as given.
 - to achieve interoperability use of appropriate standards and profiles supported by appropriate testing is needed.
 - interoperability testing should be based on a Quality Management System using testing tools
 - the eHealth European Interoperability framework is the first step in harmonising interoperability efforts over Europe (at country, region or local level).
- **To bring you to the point to**
 - include in your regulatory framework the concepts of proven and certified functional quality requirements, to reach national as well as cross border interoperability
- **To partner towards interoperability**



- Antilope results cover four complementary areas
- Each area will be presented in a similar way through:
 - Key statements summarising the findings
 - Additional background information elaborating the topic in more detail
- Some of these statements will be debated afterwards
- Your opinion will become part of the Antilope guidance through a questionnaire
- End up with an appeal to “do”



- We will listen to National Strategies and Status Reports on Interoperability in the region

Spanish State of the Art (1)	Mr Jose Carmelo Albillos Merino
Spanish State of the Art (2)	Mr Francisco Pérez
Portuguese State of the Art	Mr Licinio Mano
Catalan State of the Art	Mr Manel Domingo
Andalusia State of the Art	Mr José Román Fernández Engo



Outcome

Common approach for testing and certification through recommendations for reaching interoperability

Based on:

1. Use cases
2. Quality manual – Quality proces
3. Selected tools
4. Certification and labelling
5. Educational material
6. Input from Regional summits



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Thank you to Alexander and his team

Thank you for being with us