



Advancing eHealth
Interoperability

Adoption and take up of standards and profiles for e-Health Interoperability “Project presentation”

Ib Johansen (MedCom)

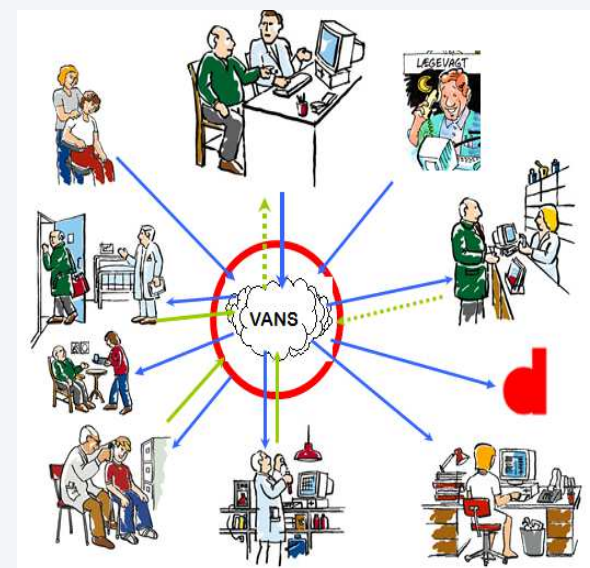
Antilope overview

29th January 2015



ANTILOPE

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



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.

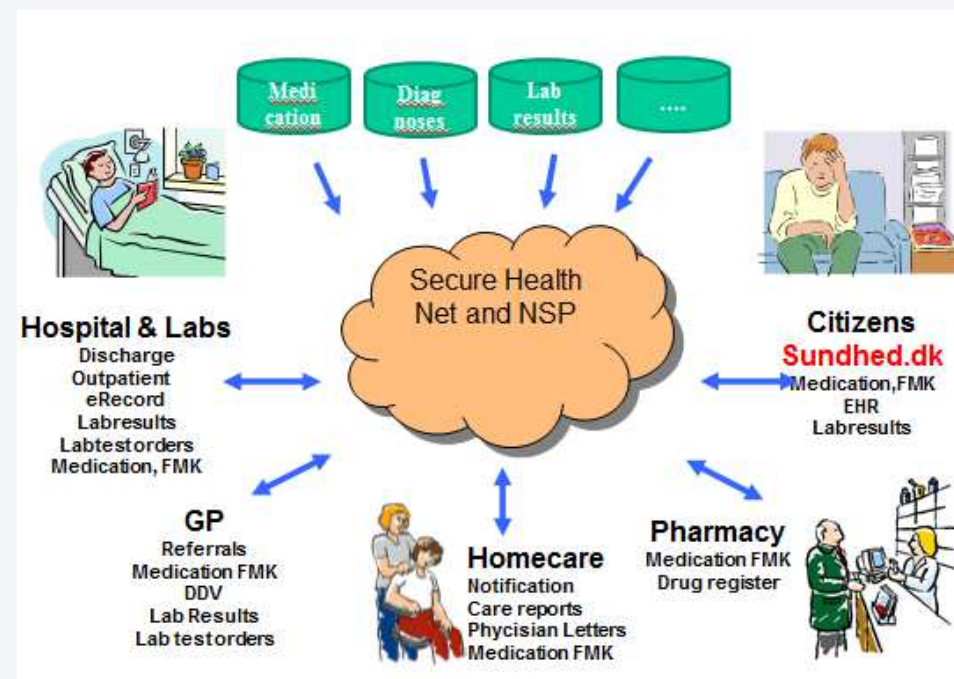
New York, NY: 1990.



- Quality and efficiency cost savings
- Sharing and reuse of clinical data

Requires:

- Interoperable systems
- Interoperable data exchange services
- eEIF - Interoperability identified by the eHealth European Interoperability Framework as a priority.





- Digital Agenda and eHealth action plan 2012-2020
- European Projects:
 - 2008-2013 – EpSOS : specifications of the cross border exchange of medical data
 - 2010-2011 - HITCH (Healthcare Interoperability testing and Conformance Harmonisation) : eHealth Interoperability roadmap
 - 2012 - eEIF: eHealth Interoperability Framework
 - 2013 – 2014- Antilope, Thematic Network



HITCH:

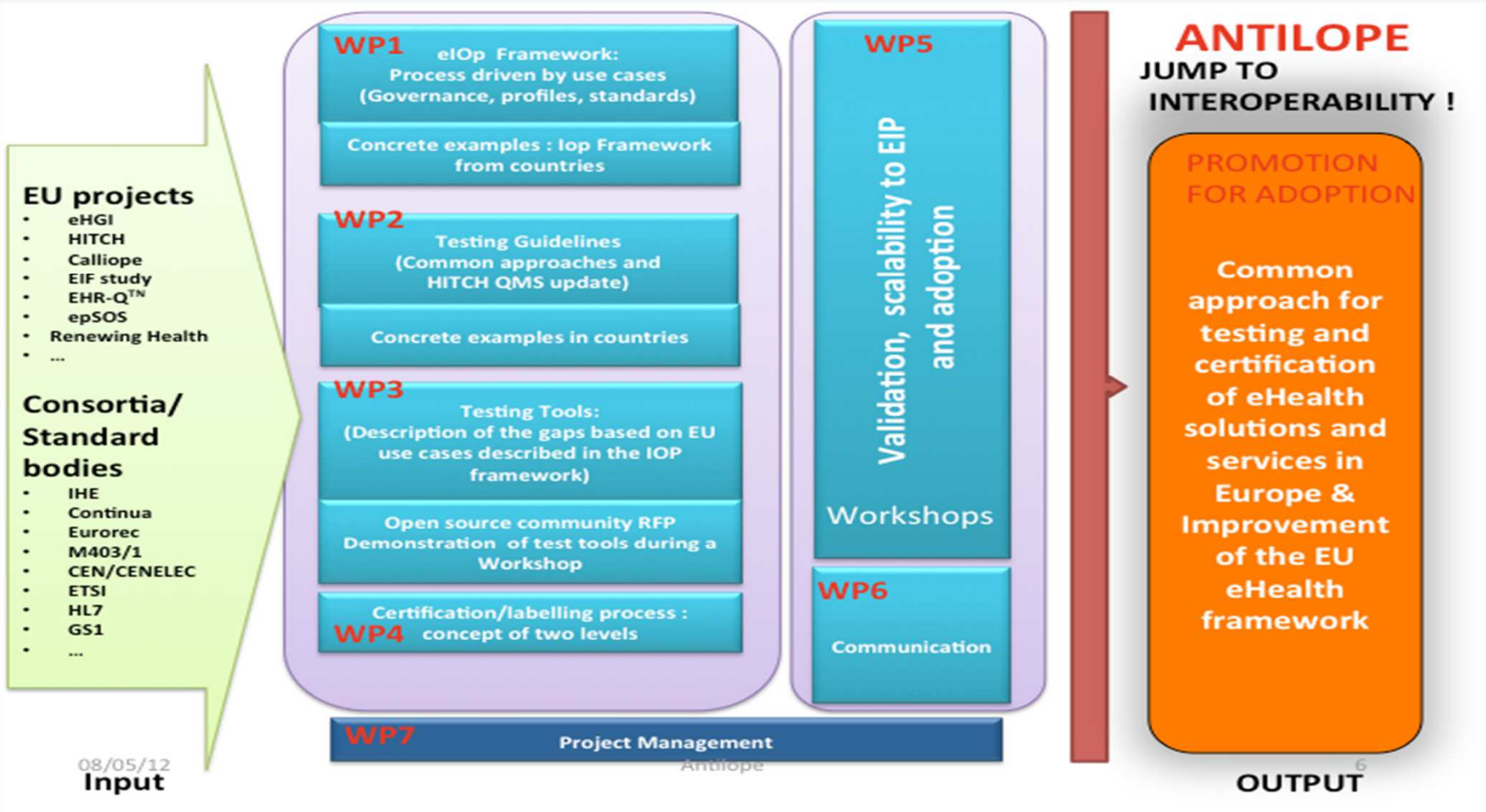
1. There is a need for a widely accepted quality guide for interoperability testing based on existing quality standards.
2. An organized collaboration is needed to reduce the fragmentation and lack of maturity in interoperability test tools and test plans in specific areas.

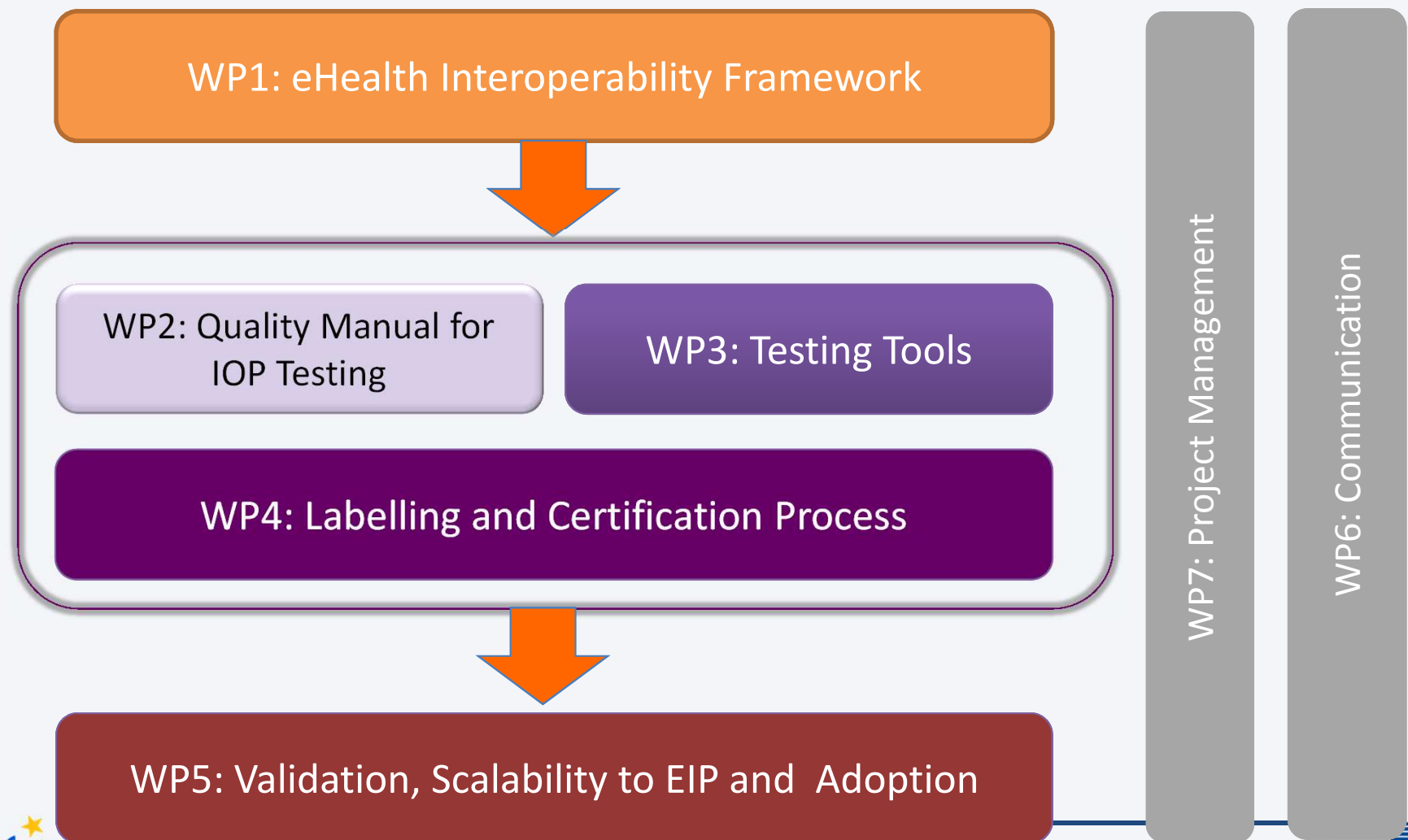


Antilope a thematic network

Drive adoption and take up of profiles for e-Health Interoperability

- Develop documentation and educational materials related to existing standards and profiles for eHealth interoperability mentioned in the **eEIF** report
- Define Quality Assurance testing guidelines for interoperability
- Identify Interoperability test tools
- Propose a labelling and certification process (EU level and national level)
- Regional summits to set the Interoperability at the scene



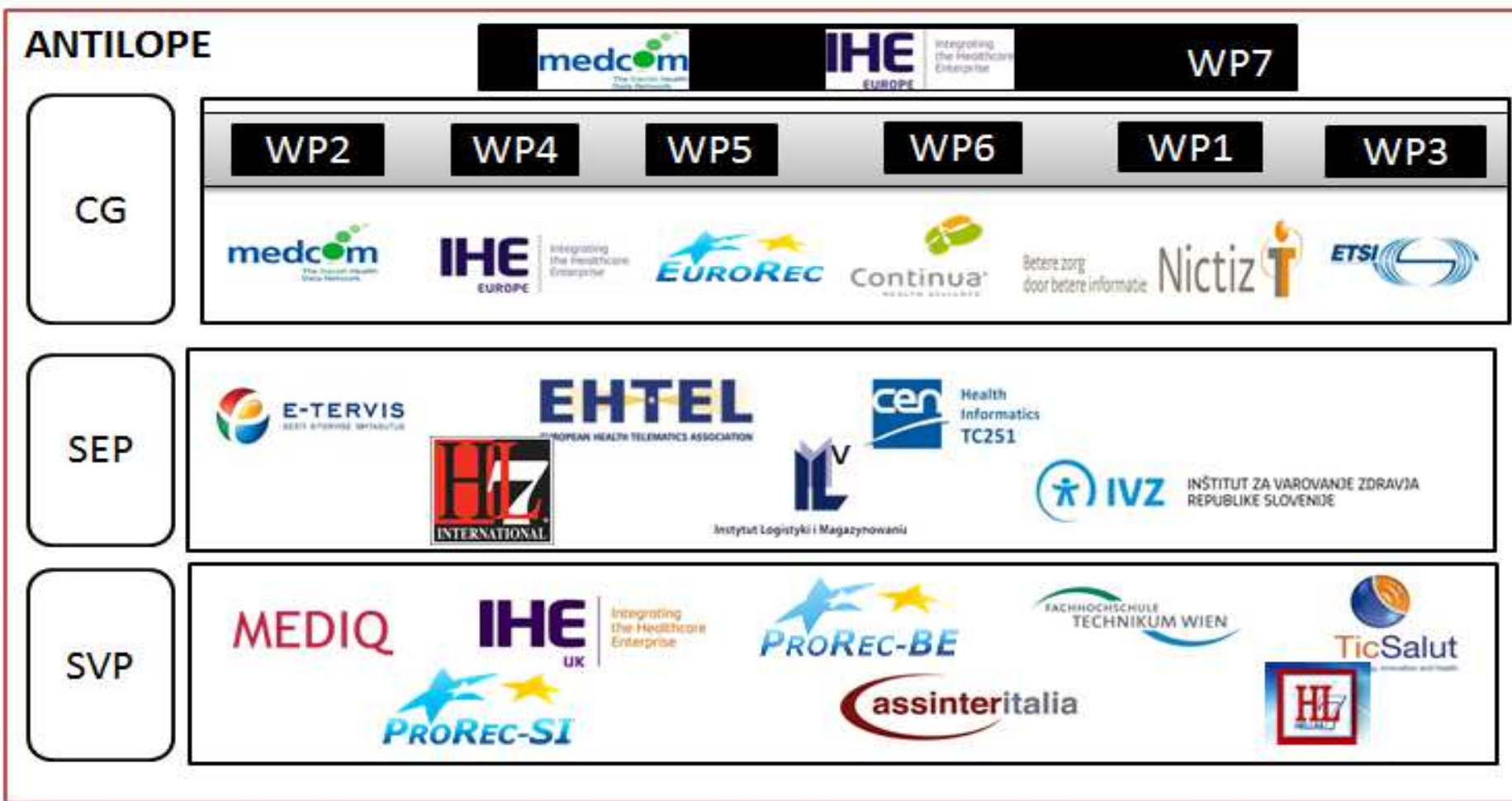




- **Consortium of**
 - organisations and experts involved in :
 - standards development and project specifications
 - interoperability testing
 - quality labelling and certification processes
 - organisations representing users, industry and health authorities
 - Partners from eEIF framework project.



Antilope Core and Expert Partners





Antilope Core and Expert Partners





Antilope Validation Partners



MEDIQ

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



Poland, Czech Republic, Slovakia,
Hungary



Ireland, United Kingdom



Belgium, The Netherlands, Luxemburg



France, Switzerland,



Germany, Austria



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



Italy, Malta



Portugal, Spain



Romania, Bulgaria, Greece, Cyprus,
Turkey



29/01/2015

Antilope Handover, Gent



- **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 the audience 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**



Presenting Antilope results



- 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 in summit
- End up with an appeal to “do”



- Refinement of documents /deliverables
 - Based on summit inputs +
 - New input from summit partners (SVP)
 - New input from experts (SEP)
- Final conference in January 2015.



Common approach to achieving interoperability through testing and certification based on:

1. Use cases (WP1)
2. Quality manual – Quality process (WP2)
3. Existing or new testing tools (WP3)
4. Quality label and Certification processes(WP4)
5. EIP AHA and Summits (WP5)
6. Communication and Dissemination (WP6)



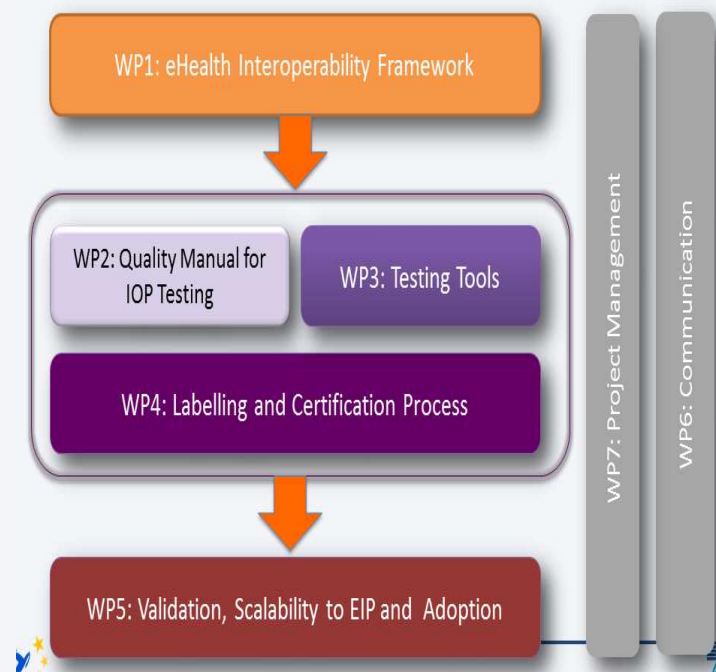
Key Messages and recommendations

WP1: Vincent van Pelt

WP2: Morten Bruun-Ramussen

WP3: Milan Zoric

WP4: Karima Bouquart



Antilope, Deliverables / overview



ANTILOPE DELIVERABLES												
Month		4	9	10	11	12	13	14	15	22	23	24
	Summits					DK	SK	SLO,A,UK,	E,GR,NL,IE,I			
D1.1	Definition doc			PREFINAL							FINAL	
D1.2	EDU material		PLANNED	DELIVERED								
D2.1	QM system			PREFINAL							FINAL	
D.2.2	IOP testing process			PREFINAL								
D2.3	QM EDU material		PLANNED	DELIVERED								
D3.1	Testing tool overview			PREFINAL							FINAL	
D3.2	RFP			PLANNED			DELIVERED					
D3.3	Education Material		PLANNED	DELIVERED								
D4.1	IOP Label/certification process			PREFINAL							FINAL	
D4.2	Educational Material		PLANNED	DELIVERED								
D5.2	Scalability to EIP						PREFINAL				FINAL	
D6.1	Communication Plan	PLANNED	DELIVERED									
D6.2	Communication tools	PLANNED	DELIVERED									
D7.1	Progress report					PLANNED	DELIVERED					FINAL
D7.2	Project QMS	PLANNED	DELIVERED									