



**eHealth**  
week

11 - 13 MAY 2015  
RIGA, LATVIA

ORGANISED BY

Ministry of Health  
of the Republic of Latvia



# EIP-AHA: ACTIONS TOWARDS GOVERNANCE OF INTEROPERABLE SPECIFICATIONS

European Innovation Partnership Track 5

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# INTEROPERABILITY IN PRACTISE FOR ACTIVE & HEALTHY AGEING

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# From use cases to interoperability profiles

## The challenge:

Common approach for deploying complex and interoperable solutions and services in EIP AHA (managing care processes)

## The objective:

Success deployment of Interoperability is based on comparable processes and testing environment.

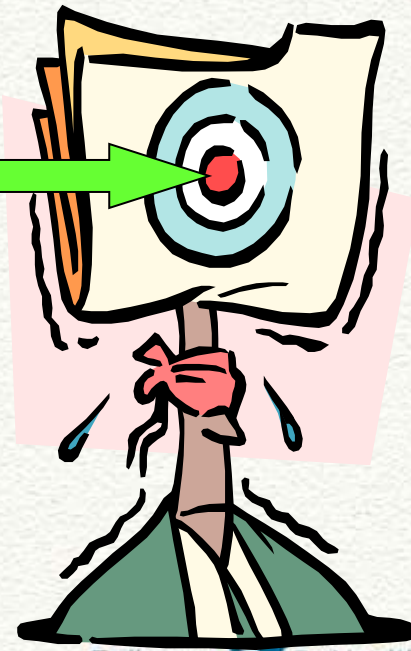
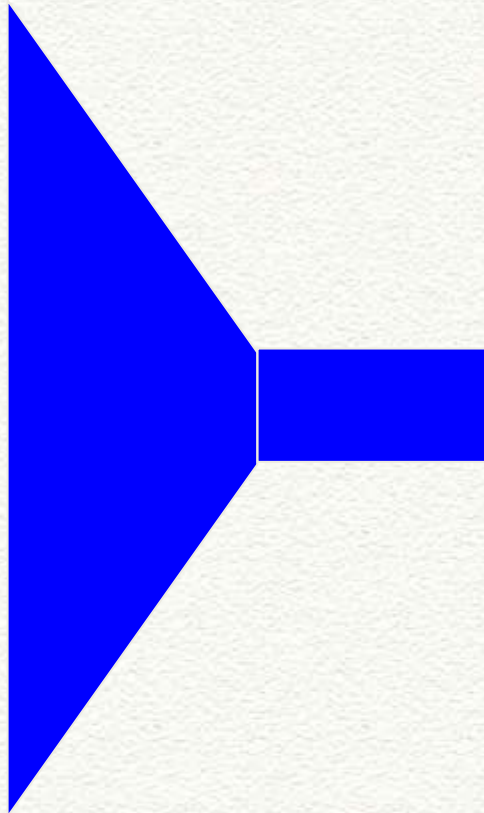
## The approach

- Use cases describe specific situations of the care process that will consensually validated by the community.
- Interoperability specifications are based on a selection of profiles and their underlying standards

# Cause of failure for IT projects in eHealth

## Base Standards

## eHealth Projects



(from IHE)

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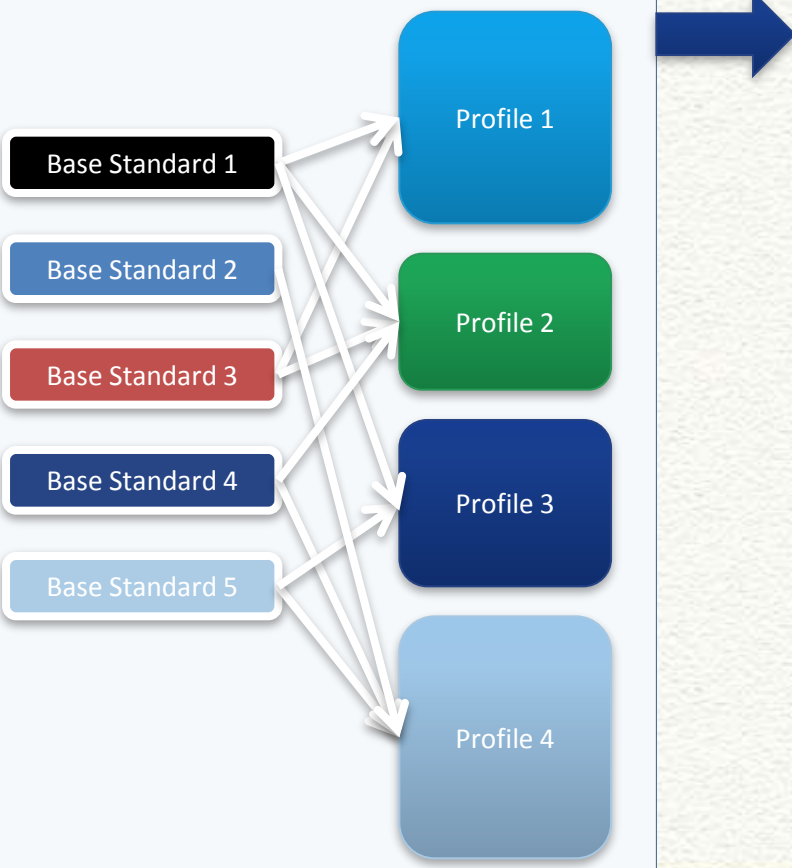
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ITU International Telecommunication Union

# Profiles and Standards

International base standards and profile development



- Profiles are guidelines for implementation of specific use cases, by selecting relevant standards and defining how they have to be configured.
  - Communication layer
  - Security layer
  - Application layer
  - Terminology

# eHealth European Interoperability Framework (2015)



Use Case	Description	Scale
1	Prescription and e-Dispensing	1a) Cross-border 1b) National/regional 1c) Intra-hospital 1d) Citizens at home
2	Request and results sharing workflow for radiology	2a) National/regional 2b) Intra-hospital
3	Laboratory Request and results sharing workflow for laboratory	3a) National/regional 3b) Intra-Hospital
4	Patient Summary Patient Summary sharing	4a) Cross-border 4b) National/regional 4c) Citizens at home
5	Referral- and Discharge reporting Cross-enterprise Referral and Discharge Reporting	National /regional 5a) Referral of patient from primary to secondary care 5b) Discharge report from secondary care
6	Participatory healthcare Involvement by chronic patients in electronic documentation of healthcare information	Citizens at home
7	Telemonitoring Remote monitoring and care of people at home or on the move using sensor devices	Citizens at home
8	Multidisciplinary consultation Medical Board Review	National/Regional

## 2 Use cases focused on EIP AHA

**UC6- Involvement of chronic patients in electronic documentation of healthcare information**

**UC7\_ Remote monitoring and care of people at home or on the move using sensor devices**

## Profiles

Information: MS (also called XDS-MS)

Infrastructure: PIX/PDQ, XDS/ XDR/ XDM, CT, ATNA

Infrastructure, Patient Care Device: HRN, WAN+, DEC\*/RTM\*, LAN+ or PAN+,(MHD, DEC)

Access control: BPPC, XUA(++)



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# Example: BRAID Use cases



**Health and Care in Life**

**Caring and Intervention Medication Assistance**

**Caring and Intervention Healthy Lifestyle**

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Process:  
Each UC was analysed carefully:

1. Analysis and mapping to Antilope UCs
2. Gqp analysis
3. Inventory of extensions that should be developed

Examples  
Medication Assistance  
Healthy lifestyle intervention





# THANK YOU

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