

Antilope - Hand Over Workshop

Ghent University Hospital Auditorium

Ghent, Belgium, 2015-01-29

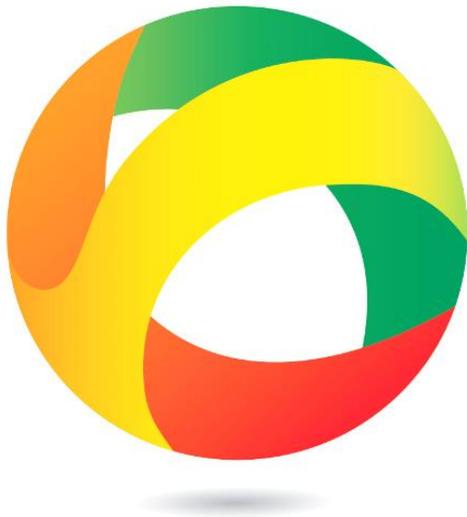
Adoption and take up
Antilope results
in Portugal NHS



Ministry of Health Shared Services

Licínio Kustra Mano

International Projects and Interoperability
www.spms.min-saude.pt



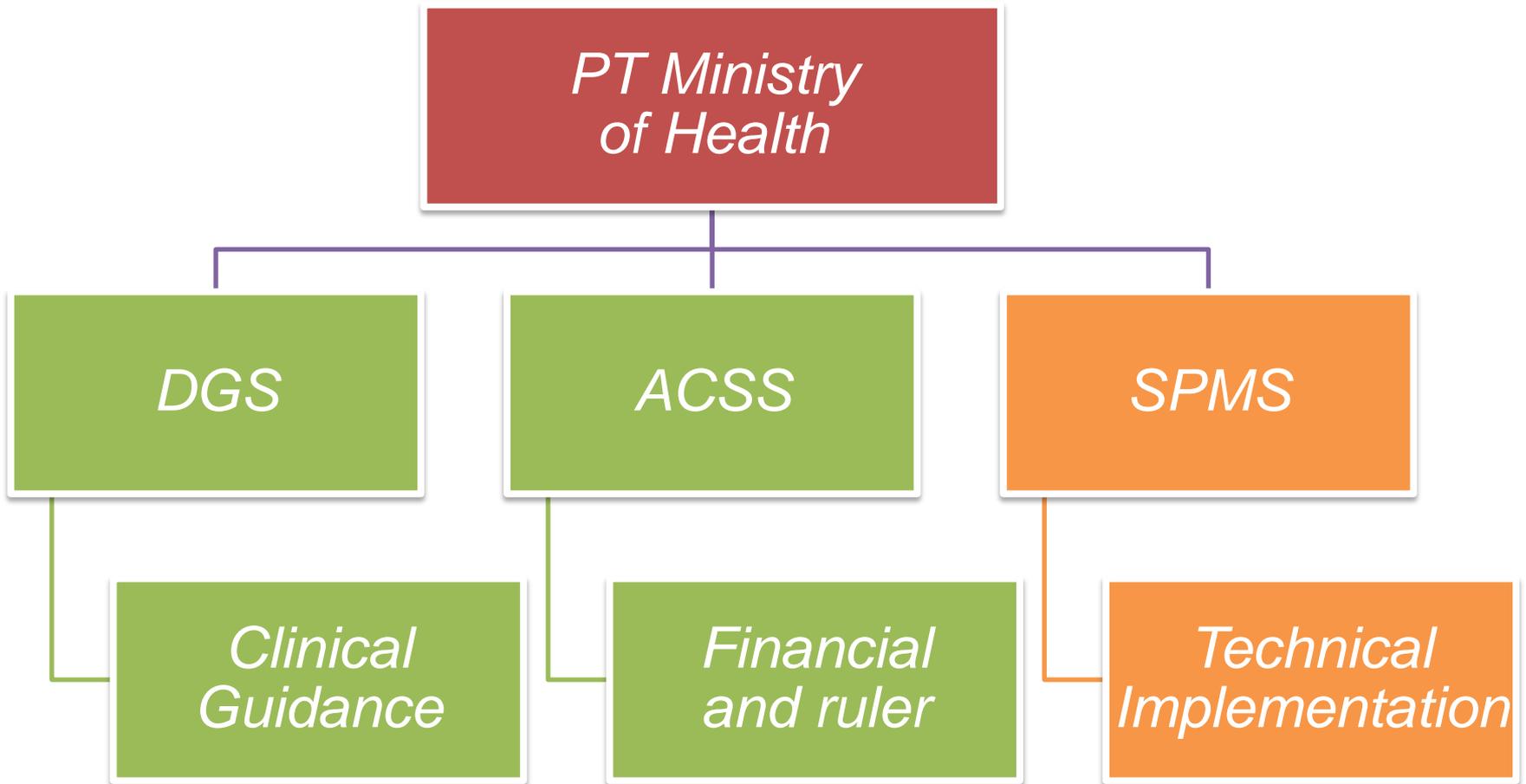


SPMS, PT Realm



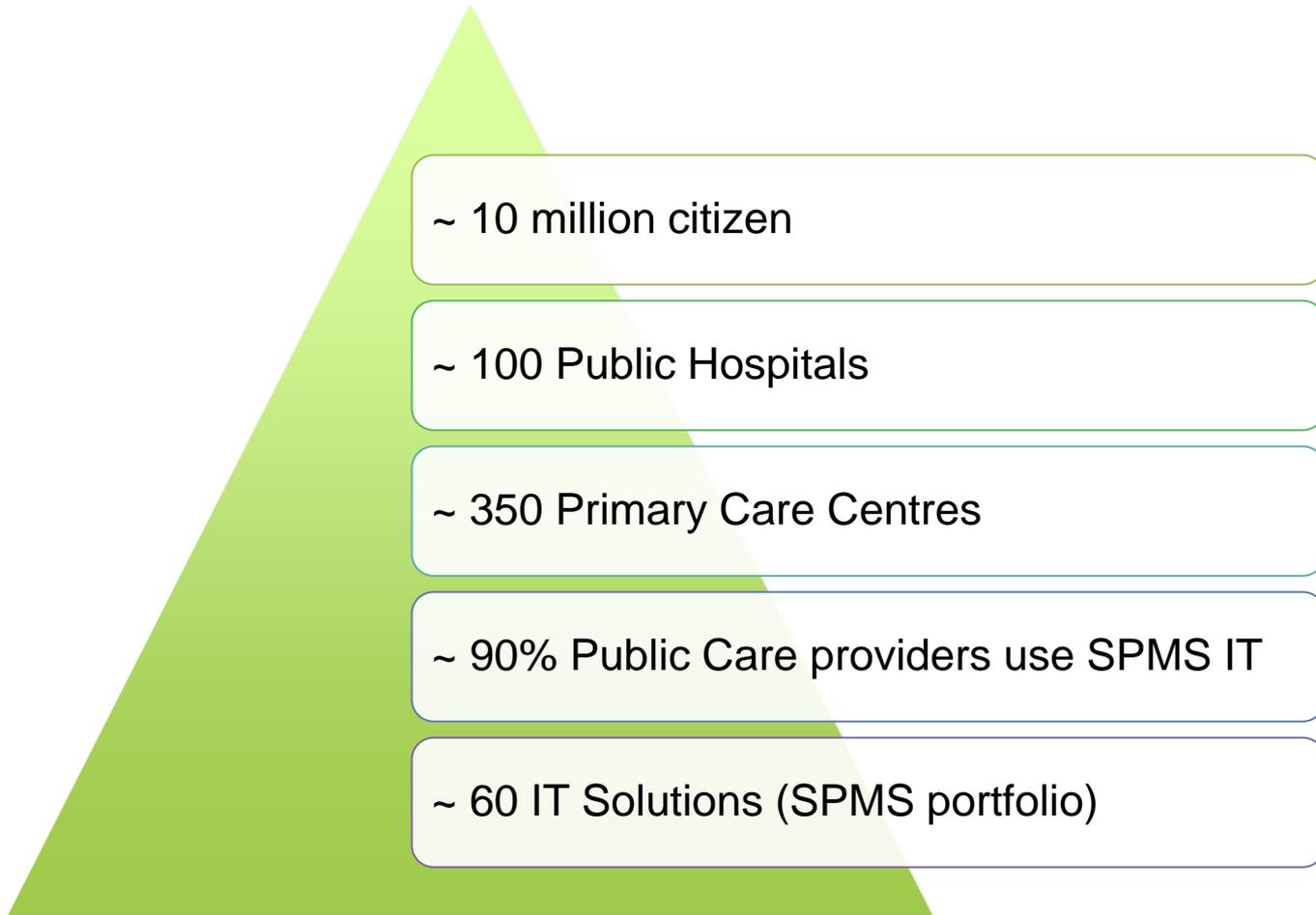


SPMS, since 2010



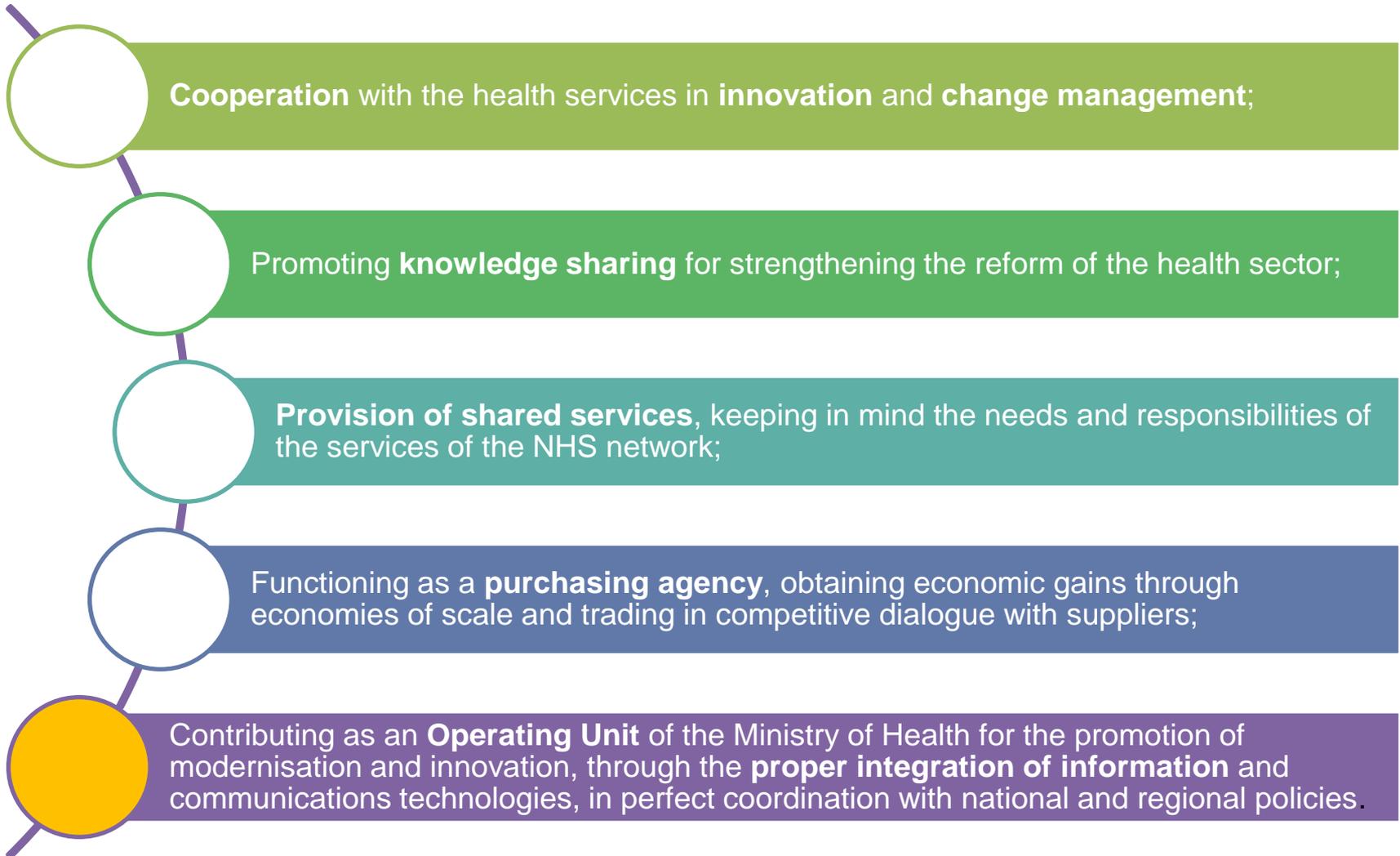


SPMS, PT Realm



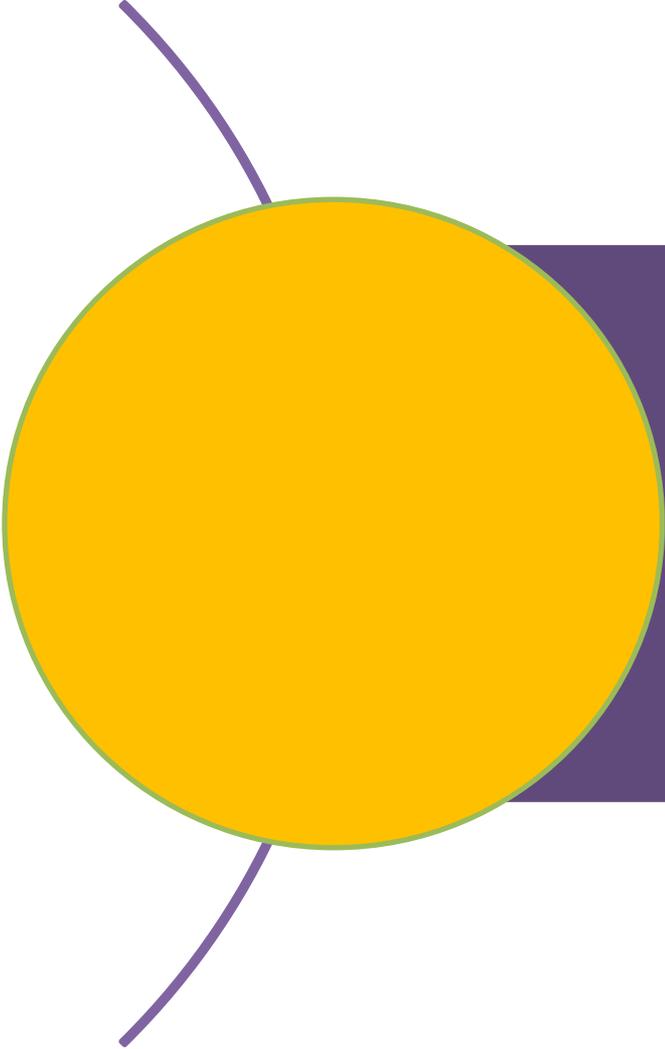


SPMS – Our mission





SPMS – Our mission



Contributing as an Operating Unit of the Ministry of Health for the promotion of modernisation and innovation, **through the proper integration of information and communications technologies**, in perfect coordination with national and regional policies.



~ 60 IT Solutions in SPMS portfolio

COM	RIS/Comunicações
INFRA	Infraestruturas
PROD	Produção
SEG	Segurança
RNU	Registo Nacional de Utentes
RNP	Registo Nacional Profissionais ePortal
SIGPS	Sistema de informação Geografica de Planeamento em Saúde
SGE	Sistema de Gestão de Entidades
SIM@SNS	Sistema Informação Monitorização do SNS
SICO	Sistema de informação de Certificados de Obitos
RENTEV	Sistema de Gestão de Testamento Vital
Sitesweb	Evolução dos Portais ACSS e SG
SiteSPMS	Site SPMS
RICA	Repositório de Informatização Clínica Anonimizada
BIF	BI Financeiro
BIGDH	BI GDH
SIGEF	SGIEF - Sistema Informático Gestão Económico-financeiro
SICA	Sistema de Informação de Contratualização
FHS	Facturação Hospitalares às Seguradoras
INFOCUSTOS	Informação de Custos do SNS
SFCP	Faturação CP Hospitais e Auditorias GDH
SGRA	Sistema de Gestão de Risco e Auditoria
GDH	GDH - Grupos Diagnósticos Homogéneos
SICC	Sistema de Informação de Centralizado Contabilidade
BAS	Benefícios Adicionais de Saúde (Central)



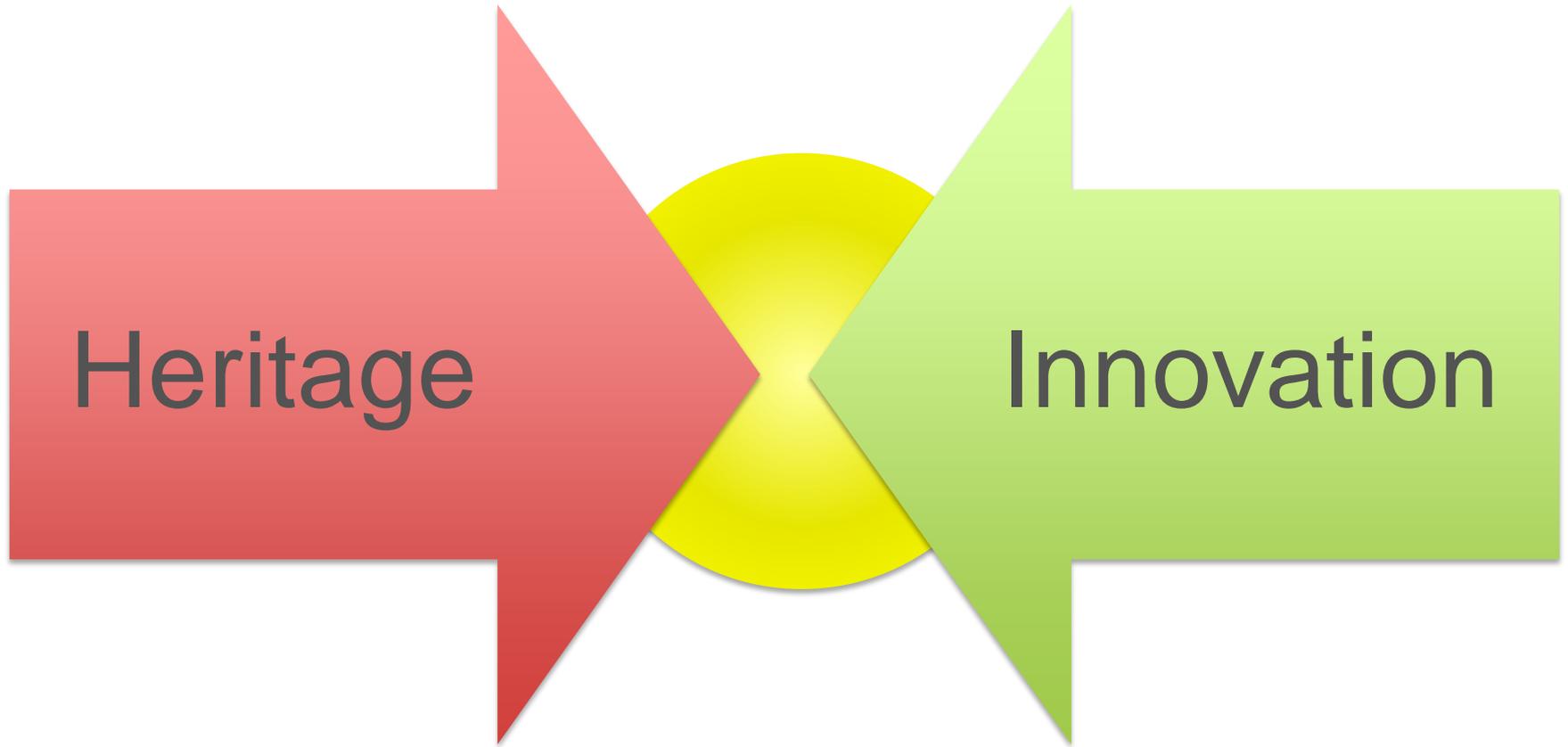
~ 60 IT Solutions in SPMS portfolio

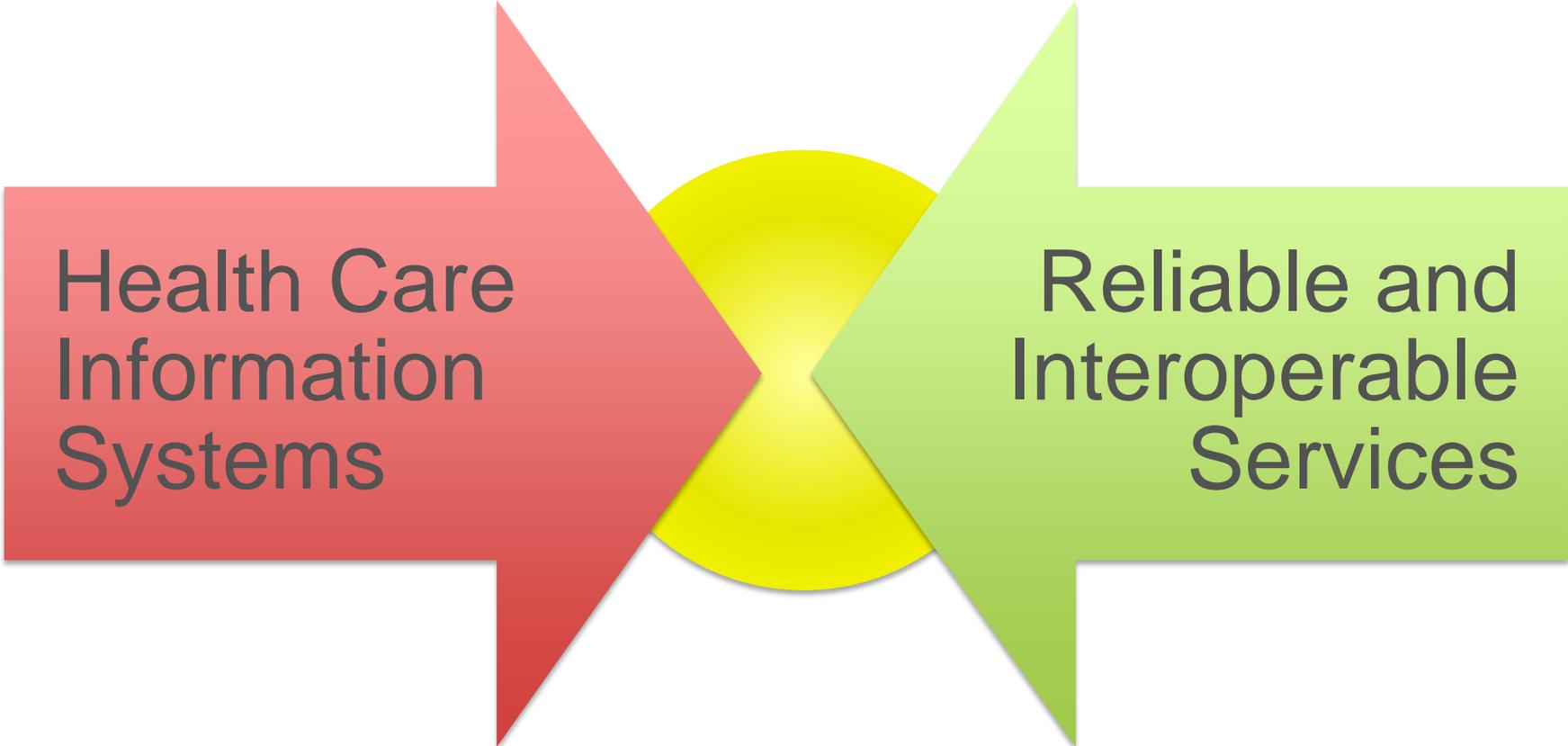
SITAM	SI Taxas Moderadoras
RHV	Recursos Humanos e Vencimentos
BIRHV	BI Recursos Humanos e Vencimentos
SGTD_A	Sistema de Gestão de Transportes de Doentes (ARS)
SGTD_H	Sistema de Gestão de Transportes de Doentes (HOSP)
FAMIG	Faturação de Migrantes
Sclínico CSP	SClínico CSP
Sclínico H	SClínico Hospitais
SIVIDA	SIVIDA - SI de Controlo do HIV / SIDA
SIGLIC	SI de Gestão da Lista de Incritos para Cirurgia
SISO	Sistema de Informação para a Saúde Oral
SINAVE	Sistema Nacional de Apoio à Vigilância Epidemiológica
RNCCI	Plataforma Rede Nacional de Cuidados Continuados Integrados
GID	Gestão Integrada da Doença
CE	Certificados Eletronicos
SIT	Sistemas de Informação de Transplantes
CTH	Consulta a Tempo e Horas
PDS	Plataforma de Dados de Saúde
PEM_MED_P	Prescrição Eletrónica Médica - Prescrição de Medicamentos
PEM_MED_D	Prescrição Eletrónica Médica - Dispensa de Medicamentos
PEM_CRD	Prescrição Eletrónica Médica - Cuidados Respiratórios Domiciliários
PEM_FH	Prescrição Eletrónica Médica - Farmácia Hospitalar
PEM_MCDT	Prescrição Eletrónica Médica - MCDT



~ 60 IT Solutions in SPMS portfolio

PRVR	Portal de Requisição de Vinhetas e Receituário
SONHO	SONHO - Sistema Integrado de Informação Hospitalar
SONHO-CSP	Sistema Administrativo para os Cuidados Saúde Primários
SINUS	SINUS
GDOC	GDoc - Gestão Documental(Smartdocs)
FaSTI	FacSvcsTI - Facturação das aplicações TI
SEAPIN	Serviço de Apoio Informático
CleanDesk	Clean Desk(Gestão Documental)
AIM-TIC	Articulação Interministerial TIC
PD-SIS	Iniciativas e normas TIC para o Sistema Português de Saúde
TICADM	Coordenação de iniciativas e investimentos TIC do SNS
epSOS	Smart Open Services for European Patients, Piloto Nacional
Expand	Expand
e-sens	e-sens
Trillium	Trillium Bridge
PT-CTC	Centro de Terminologias Clínicas - Português
ICD-9 > ICD-10	Projeto de adaptação aplicacional transversal de ICD9>ICD10
SIGAI	Sistema de informação de Gestão de Acordos Internacionais
SAGMD	Sistema de Gestão de Apoio à Gestão da Mobilidade de Doentes
INTEROP	Interoperabilidade
MOTIS	Módulo de Tabelas de Referência
CS	Centro Suporte
FORM	Formação





Health Care
Information
Systems

Reliable and
Interoperable
Services



our mission

(towards *national* interoperability)



provide the vision

(lay down the interoperability foundations
for any eHealth national deployment)



The vision

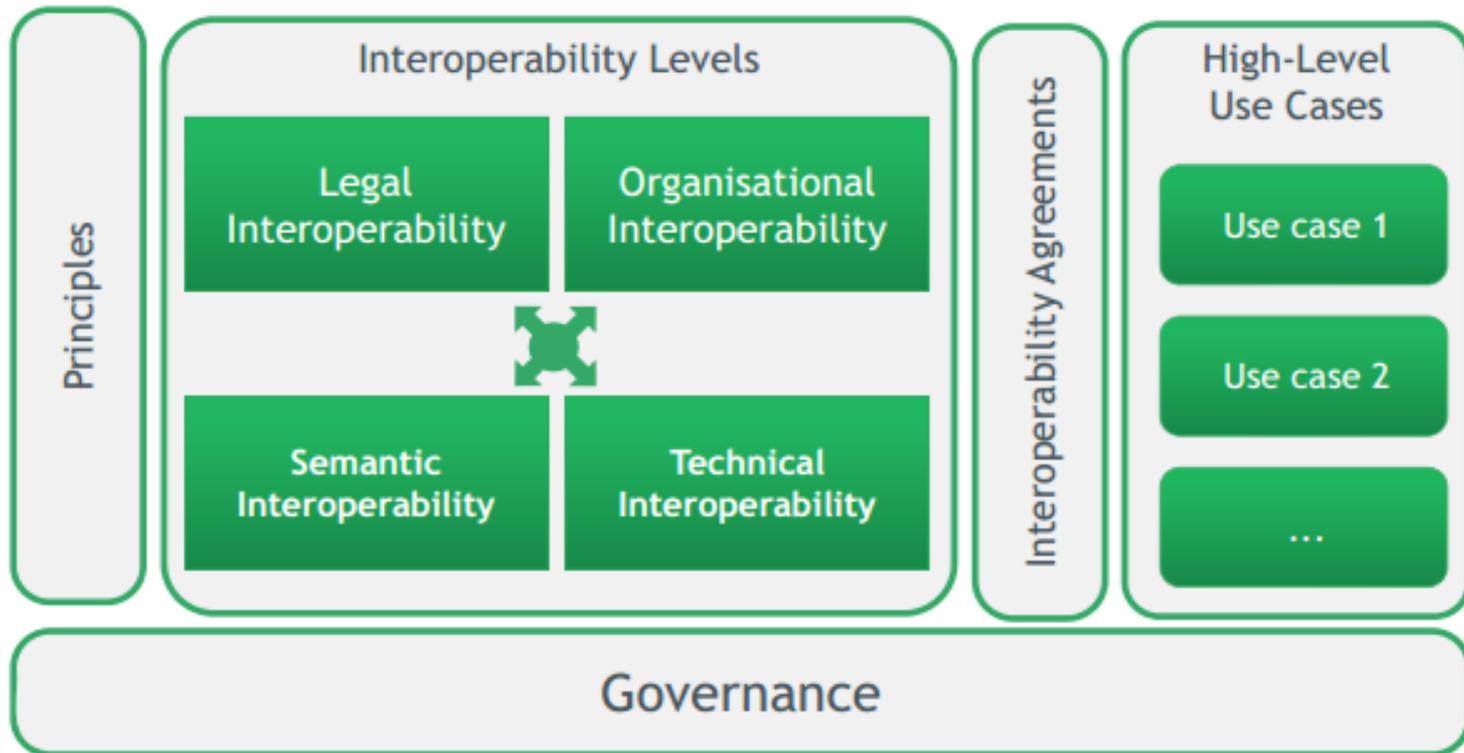
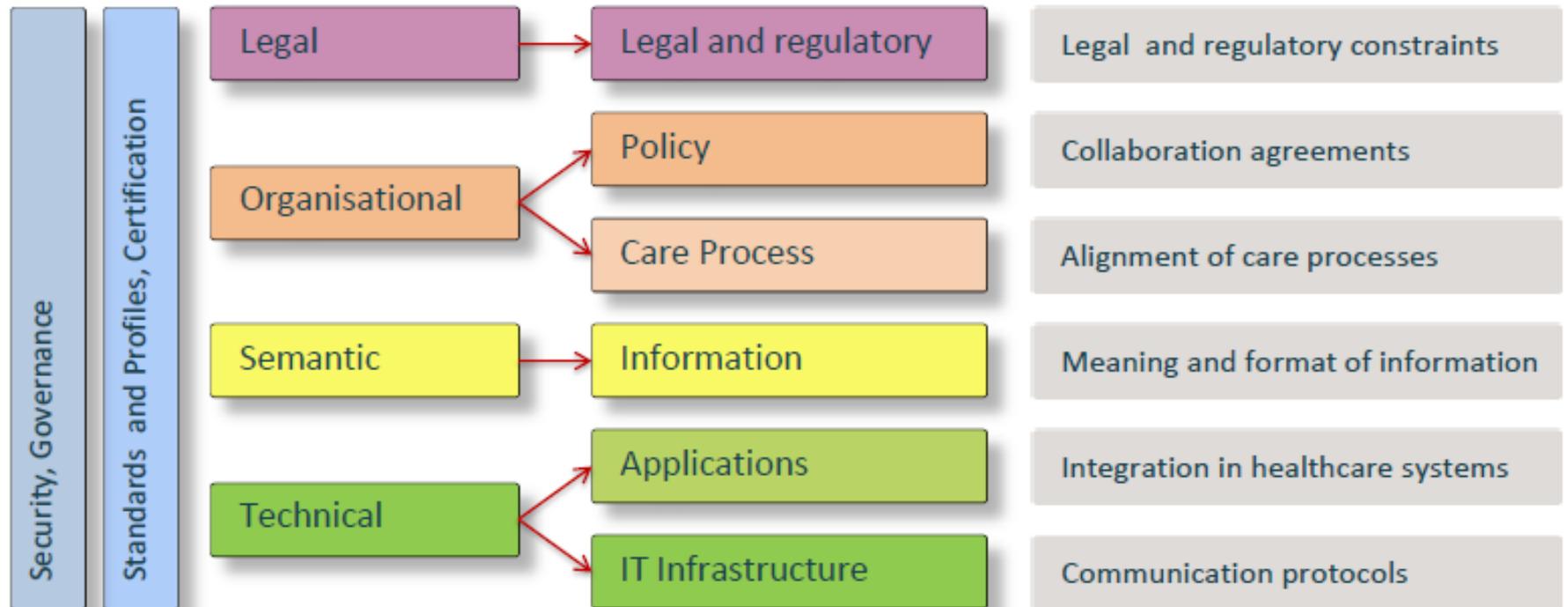
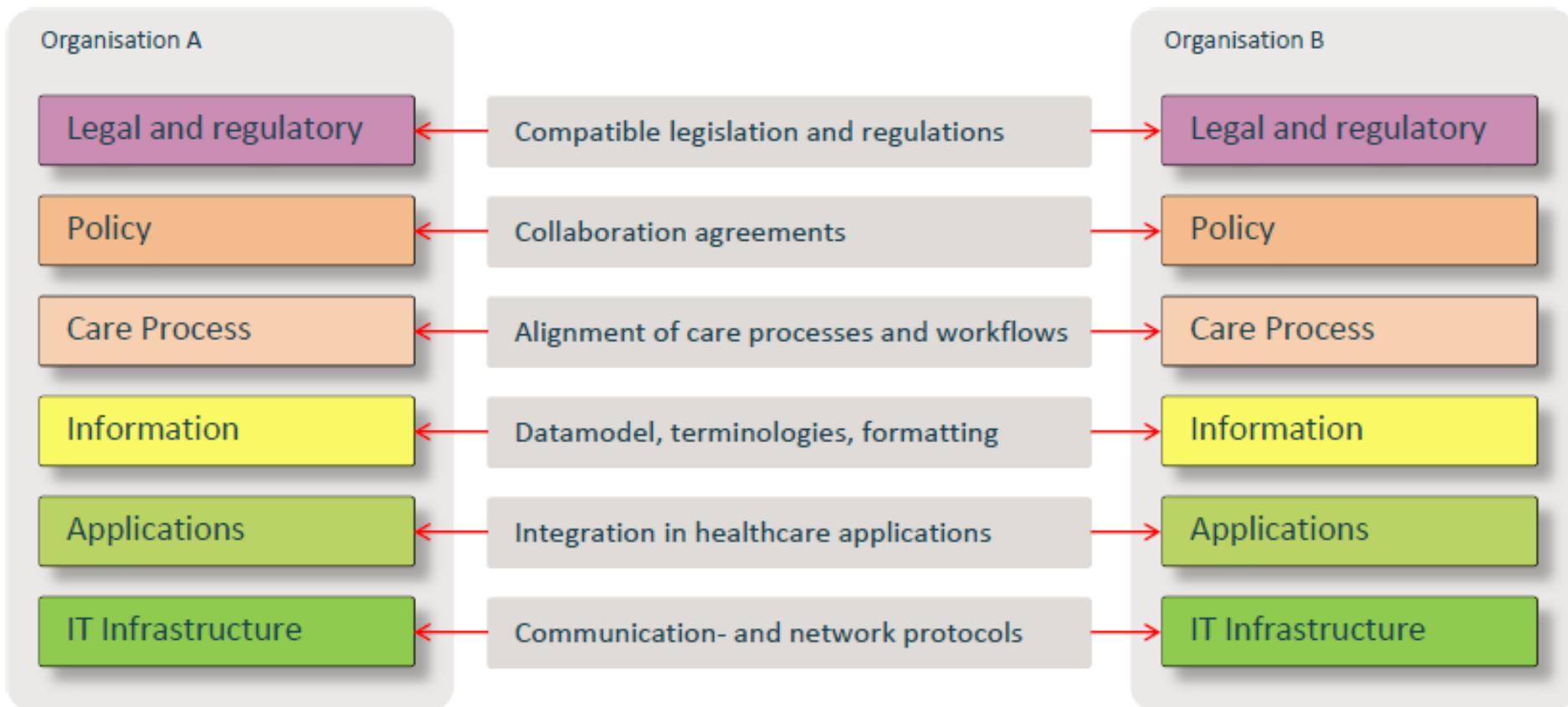


Figure 3 - Resulting eHealth EIF structure



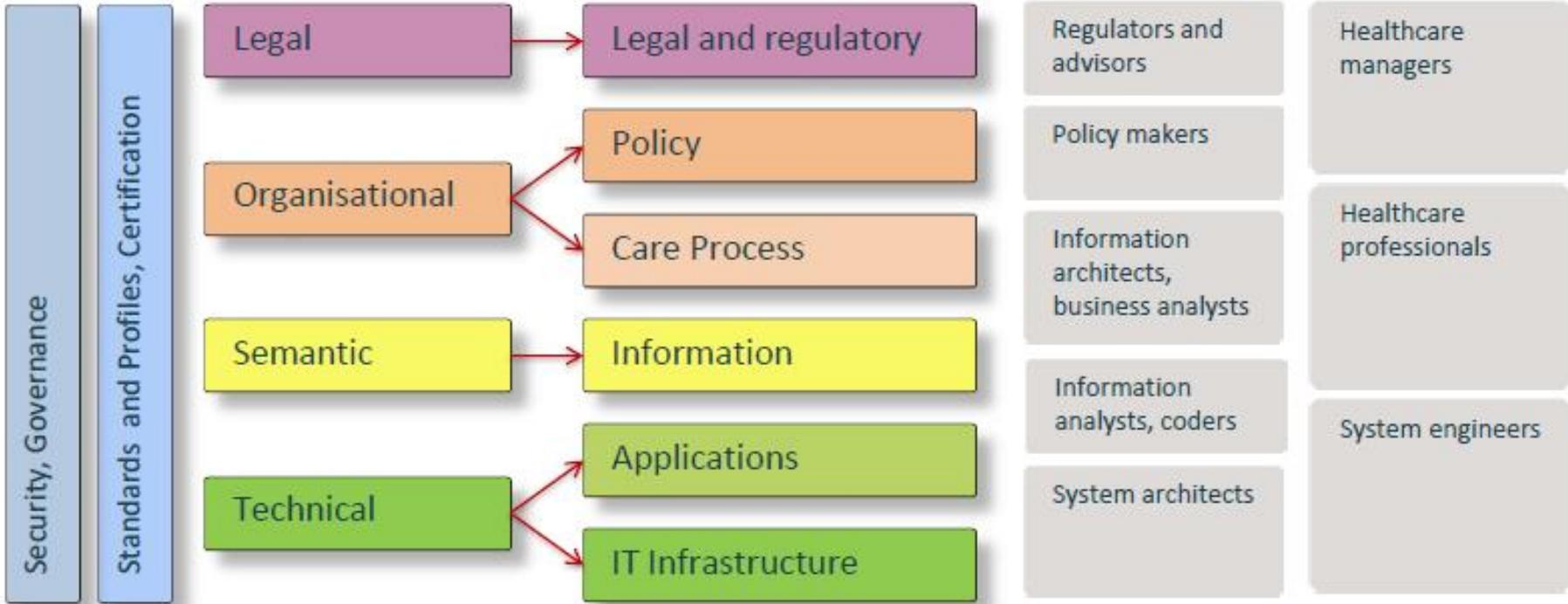


Interoperability between organisations





eEIF – stakeholders





1 - Antilope Use Cases

#	Medical domain	Description	Scale
1	Medication	e-Prescription and e-Dispensing	1a) Cross-border 1b) National/Regional 1c) Intra-hospital 1d) Citizens at home
2	Radiology	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



Use Case > Profile > Standards

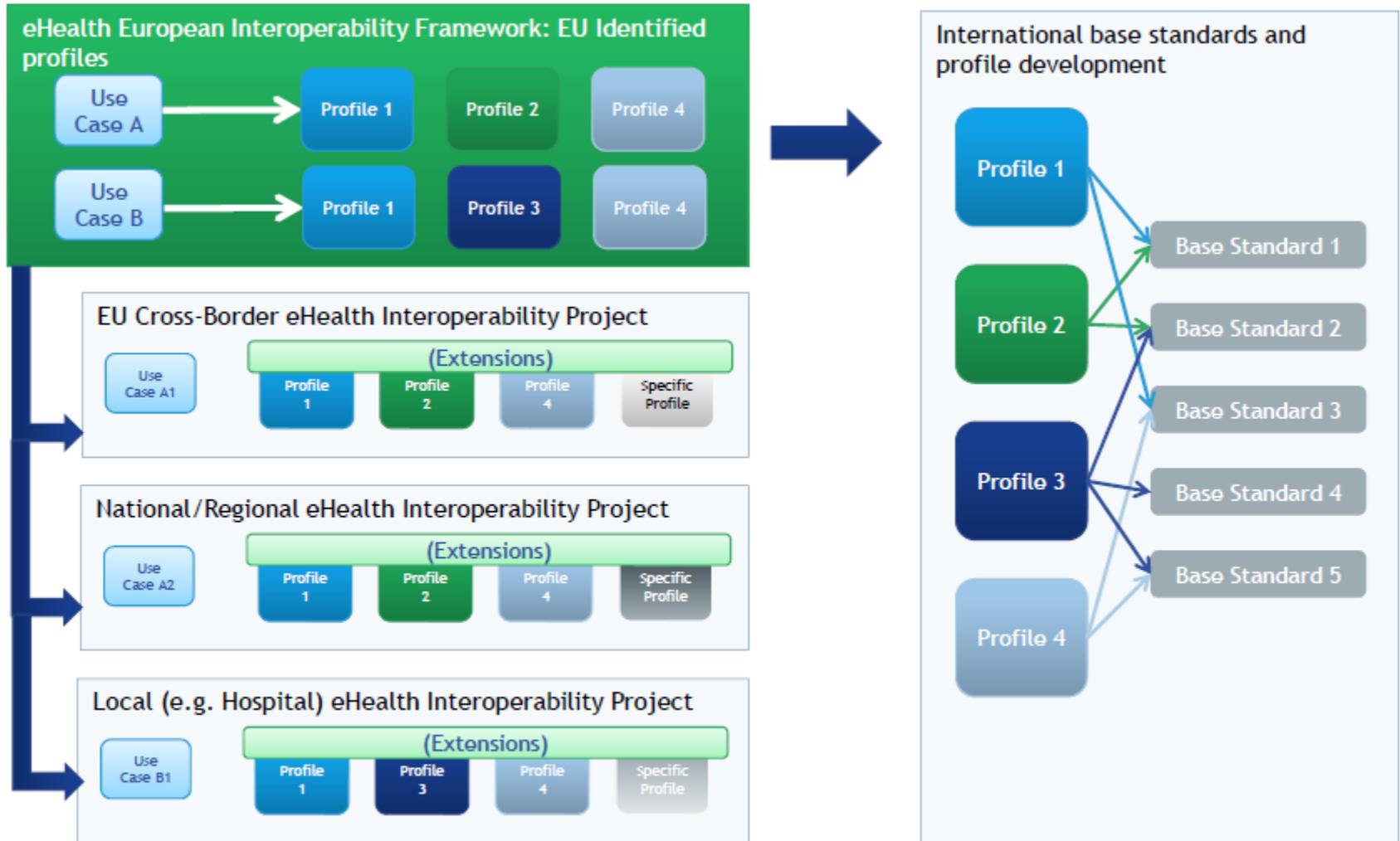
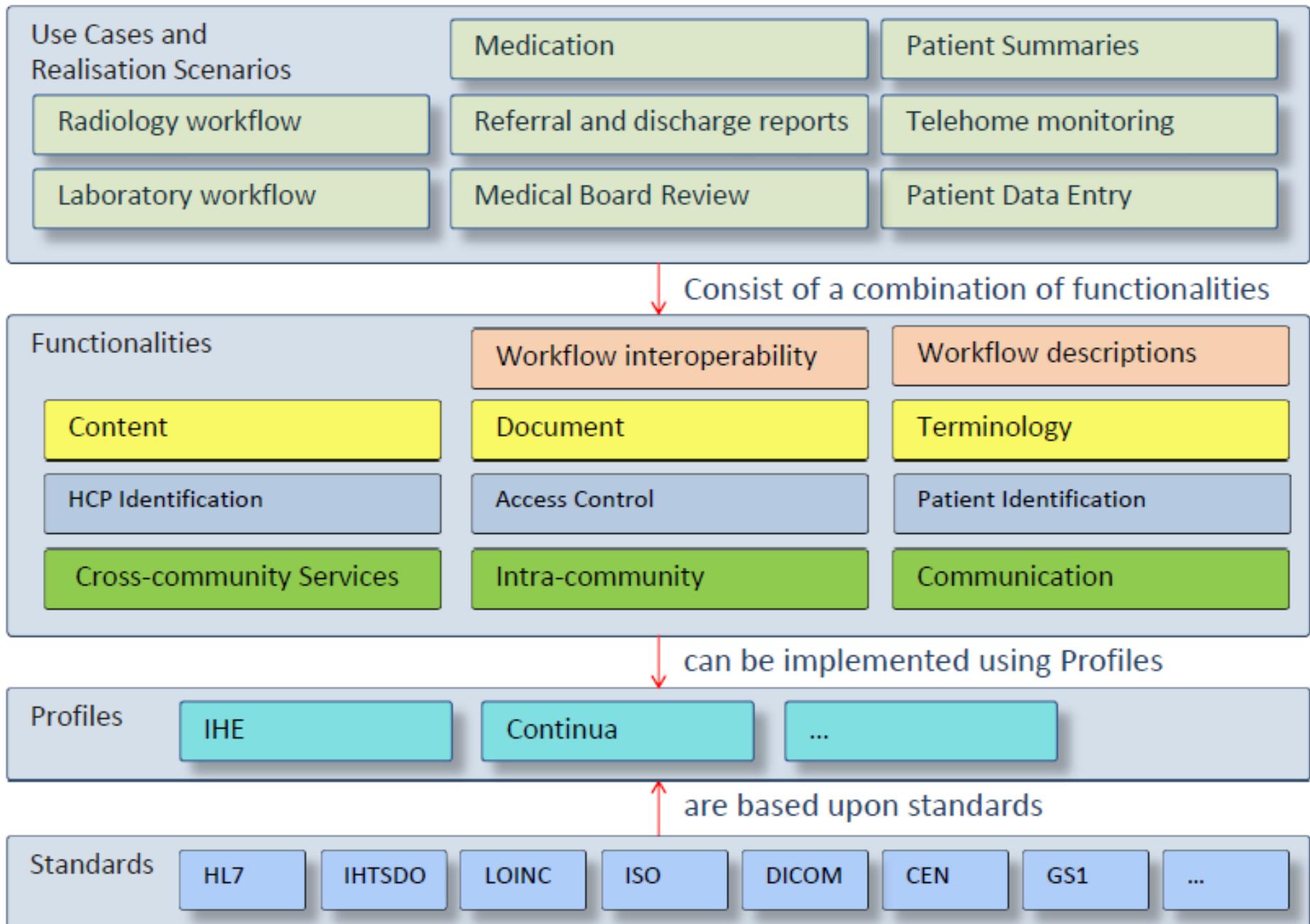


Figure 6 - Vision of the implementation of the eHealth EIF



Using Profiles to realise functionalities in Realisation Scenarios

Workflow interoperability

XDW Document Workflow

XBeR-WD Basic eReferral

XTB-WD Medical Board Review

Workflow descriptions

LTW Laboratory Testing Workflow

SWF Scheduled Workflow (Radiol.)

CMPD Commun. Medic. PRE and DIS

Content

XPHR Exch. of Personal Health Record

XD-LAB Sharing Laboratory Results

DIS, PRE

MS Medical Summaries

Document

DEN Document Encryption

DSG Document Signature

DSUB Document Notification

Terminology

SVS Shared Value Sets

RTM Rosetta Terminology Mapping

LCSD Laboratory Code Sets Distribution

HCP Identification

HPD Healthcare Provider Discovery

Access Control

XUA(++) Rights and Authorization

BPPC Patient Consent

Patient Identification

PIX/PDQ Patient Discovery

PAM Patient Administration Mgt

XCPD Cross-Comm. Patient Discovery

Cross-community

XCA Cross-Community Access

Intra-community

XDS, XDR Document Sharing

ATNA Audit Trailing & NA

CT Consistent Time

Communication

HRN Health Record Network

WAN, LAN, PAN Network protocols

DEC Device-Enterprise Communic.



Adopt by Engaging++



active: Listening + Guidance

What do you think about....?

Have you done something similar before?

Would this be useful to you?

Can this help you to perform better?

Are you interested in participate?





Let's....
build
it together.





Let's....
ADOPT
it together.



<http://youtu.be/W8fdXNN0irl>



Sharing is key!



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Serviços Partilhados do Ministério da Saúde