

# Enterprise Architecture & Design Authority

eHealth Ireland, eHDSI and CASforEU  
9<sup>th</sup> of April 2019

eHealth Ireland: Eamon Coyne  
Driving Healthcare Transformation

Delivering eHealth Ireland



Office of the Chief Information Officer



- The **Health Service Executive (HSE)** is responsible for the provision of health and personal social services for everyone living in Ireland (population 4.7m), with public funds.
- The HSE is the operational side of it's parent organisation the Department of Health.
- The HSE is Ireland's largest employer with over 67,000 direct employees, and another 40,000 in funded health care organisations.
- The Office of the Chief Information Officer is the team delivering eHealth Ireland through the implementation of the Knowledge and Information plan.

# eHealth Strategy In Ireland

## Patient Centric eHealth Guiding Documents:

- ✓ eHealth Strategy (2013)
- ✓ Knowledge & Information Plan (2014)
- ✓ Sláintecare Health Strategy (2017)
- ✓ Sláintecare Implementation Strategy (2018)
- ✓ National Service Plan (2019)



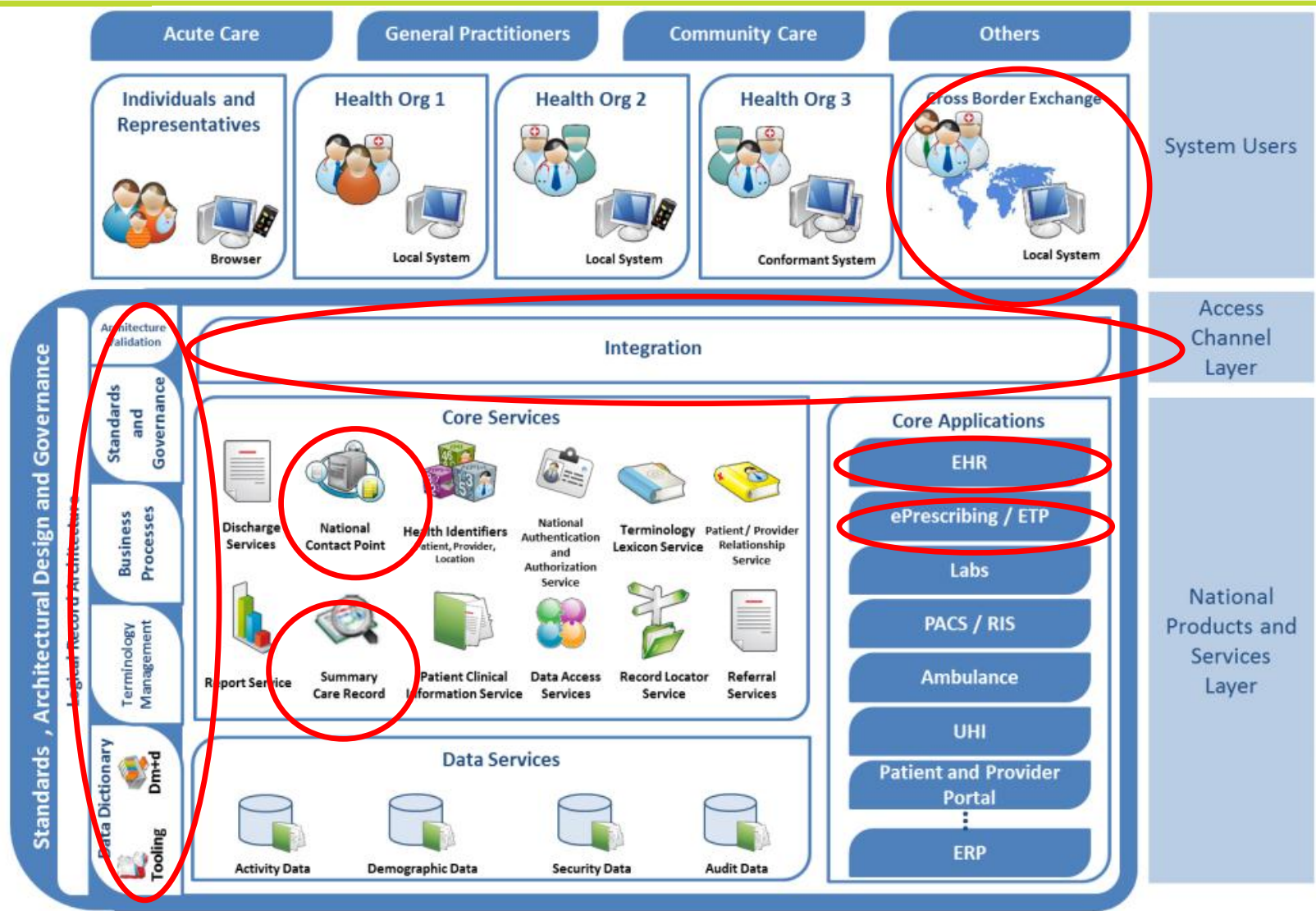
- Sláintecare Implementation Strategy 2018

*“Provide for improved information architecture, including standards, information and identity to underpin the delivery of integrated care”*

- Health Service Executive National Service Plan 2019

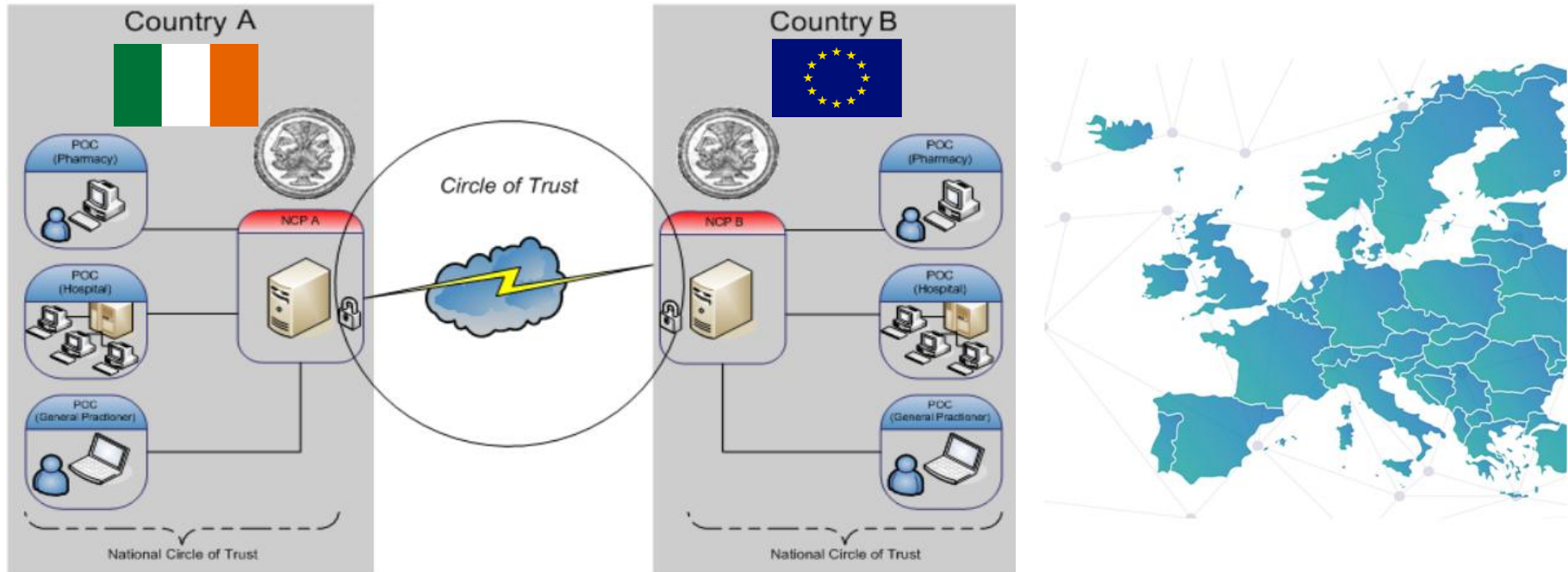
*“Progress ‘Integrating the Healthcare Enterprise’ profiles in support of the EHR programme.”*

# eHealth Strategy 'To Be Architecture'



Source: <http://www.ehealthireland.ie/Knowledge-Information-Plan/Knowledge-and-Information-Plan.pdf>

# eHealth Strategy In Ireland and Cross Border



- Irish citizens make 6 million trips within EU annually and similar figure of EU visitors to Ireland
- EU Directive 2011/24/EU
- Ireland committed to Go Live Wave 3 2020 as Country A
- ePrescription and Patient Summary exchange
- Ireland not a participant in epSOS (challenges standards, coded data, stakeholder awareness)

We know the what but how?



**HOW DO  
WE DO  
THIS?**



# Use Case driven approach

- Define Use cases and their prioritisation to answer the eHealth strategy objectives of nation/region;
- From use cases to design the interoperability infrastructure and specifications based on IHE profiles
- To define the testing strategy and identify test plan and test methods (test cases, test tools and test data)
- To support Project teams to procure products or solutions for their eHealth Project (Telemedicine, national/regional EHR, replacement of product in hospitals...)



# Use Case driven approach Irish activities

■ Use Case Workshops x 2	Q1 2018	✓
■ Architecture Workshop	Q2 2018	✓
■ Test Harness/Art Decor installed	Q4 2018	✓
■ IOP Specifications Stable	Q1 2019	✓
■ Test Tools with Irish Extension	Q2 2019	
■ Projectathon 1	Q3 2019	
■ Projectathon 2	Q1 2020	

# Cross Border project has brought people together

“Before we have system interoperability..  
we must have the human interoperability”



## How does CASforEU help Ireland?

- EUROCAS Workshop held in Dublin 11<sup>th</sup> of July 2018..a good mix of industry/public sector/academia...highest response rate of survey... Here's what Irish group said..
- “Clinical Risk is minimised”
- “A coordinated centralised response so that each project/programmes doesn't have to start from scratch, thereby reducing duplication of effort and reduction in costs”
- “Faster implementation of eHealth Projects to international best practice”
- “Utilise best of breed standards and flavour to Irish specifics (satisfying domestic need in doing so)”
- “Better time management of resources”
- “Greater confidence in eHealth solutions”
- “Optimises Patient safety from the outset”
- “Access to the Digital Market”
- “Greater protection for public funding with a more competitive tendering process, levels the playing field smaller vendors can participate”
- “During testing process and the specific tests are passed, theoretically vendor can deliver project”.

## Benefits for Ireland eHDSI, Test Harness and EuroCAS

### Reflecting back into our landscape

- **With implementation of eHDSI Cross Border services based on RelF/elf Cross Pollinate with existing national projects**
- **Develop the semantic roadmap in the Irish ecosystem**
- **Inclusion of relevant standards, specifications in Procurement process e.g 27 IHE Profiles recommended by EU in EHR.**
- **Mature Irish Test Harness to state of self certification leveraging work with EURO-CAS, IHE and eHDSI domains.**
- **An Irish robust eHealth landscape serving Irish and European requirements.**



# Thank You



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