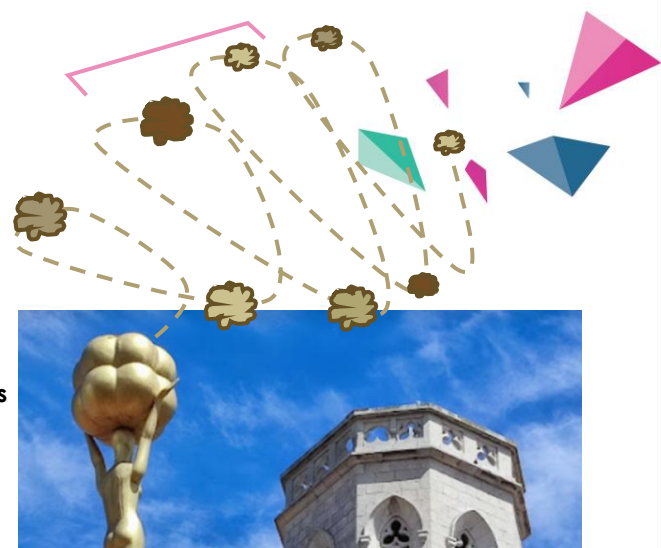




# EHMA 2025

Taking action to  
improve health for all

session “Enhancing care continuity and coordination: strategies  
for integrated and patient-centred healthcare”



## Systemic implementation of Harmonics high-value integrated stroke care: analysis from Catalonia and Portugal

**Olman Elizondo** – AQUAS - Innovation and Strategic Futures Evangelist



June 5<sup>th</sup>, 2025

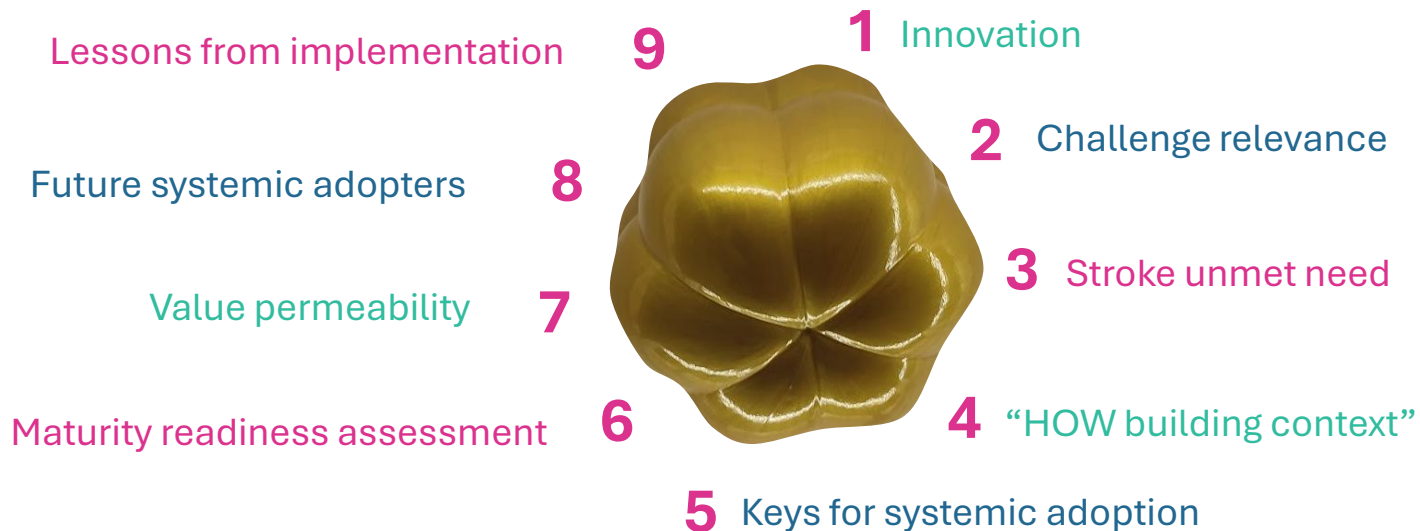
#EHMA2025



Harmonics

  
**EHMA 2025**

Taking action to  
improve health for all



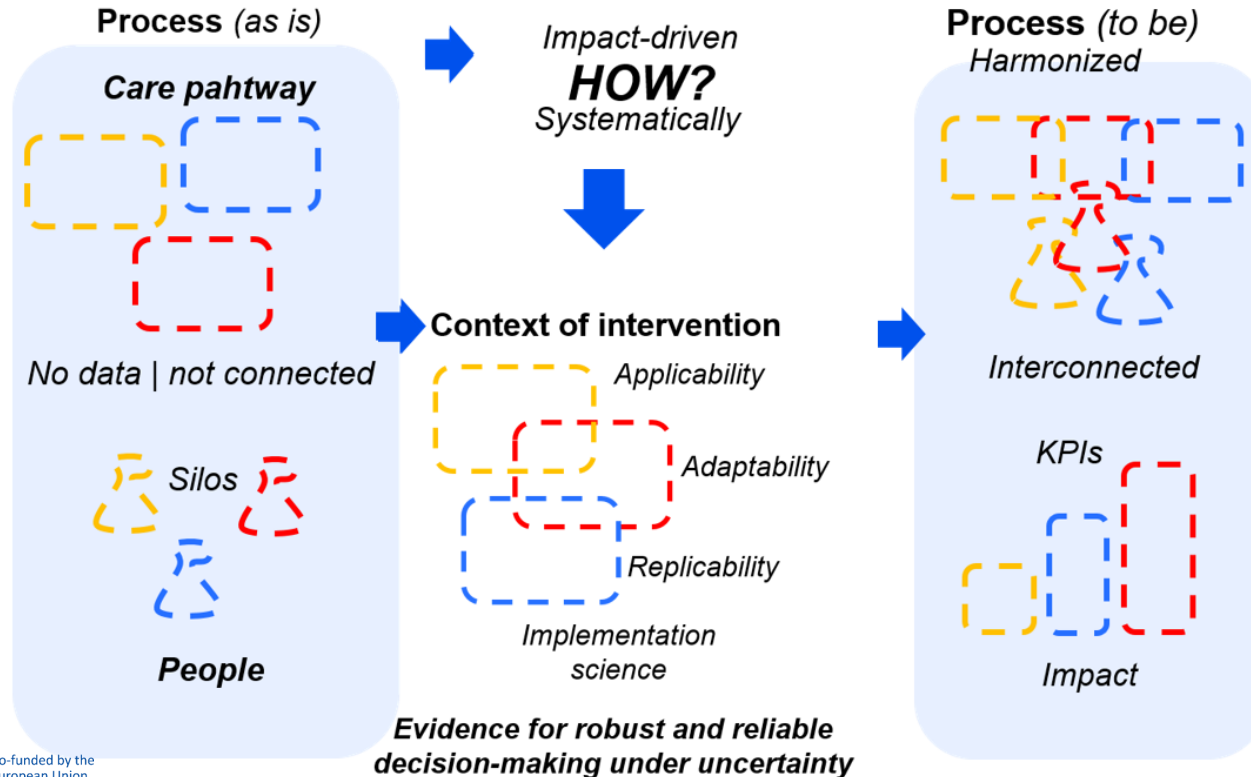
# Stroke challenge → Unmet need

Stroke numbers	in	EU / World
• Annual <b>Cases</b>	•	1,12 million / 12 million
• <b>Stroke survivors</b> living with disability	•	9,5 million / 100 million
• Annual <b>stroke deaths</b>	•	460,000 / 6,5 million
• <b>Total annual cost</b>	•	€60 billion / US\$890 billion

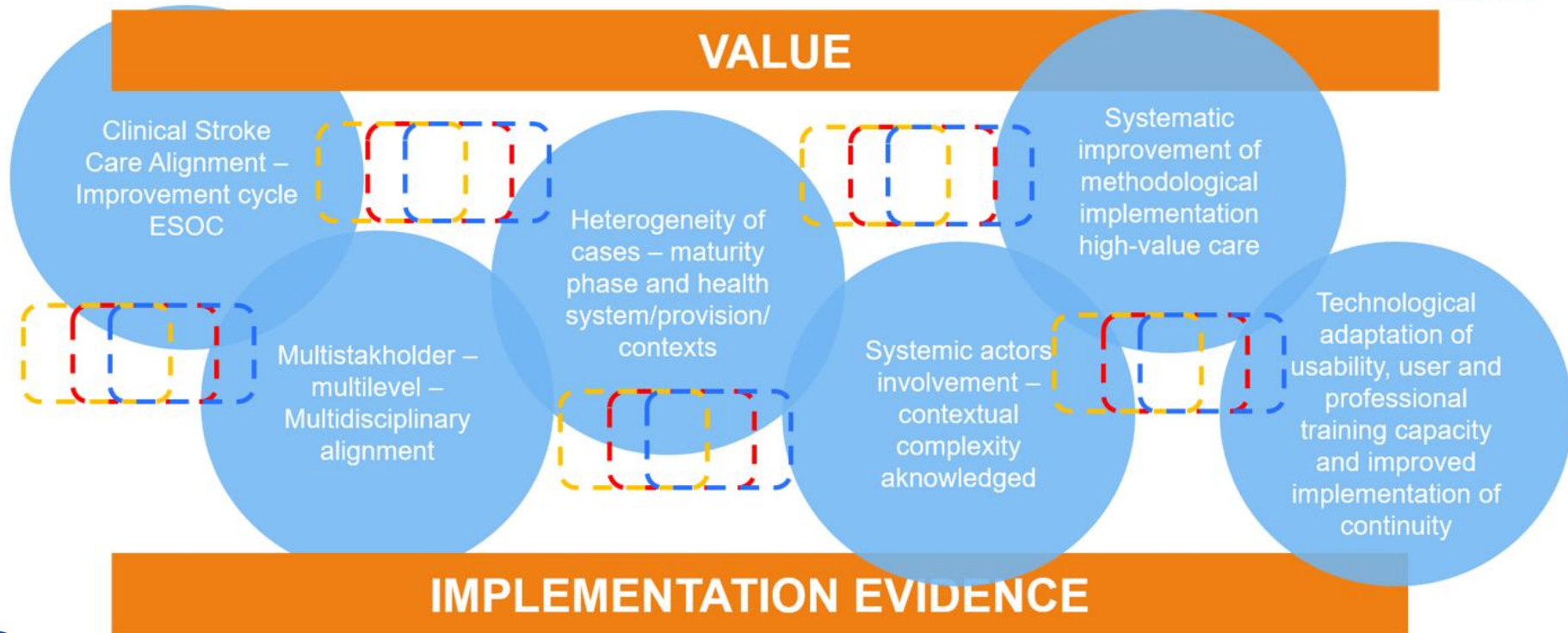
## Harmonics unmet need:

1. Suboptimal **patient-health professional communication**
2. Lack of centralized registries & **harmonization of outcome data**
3. Inhability to **align financial incentives and health success**
4. Poor **patient experience** and high rates of **professional burnout**

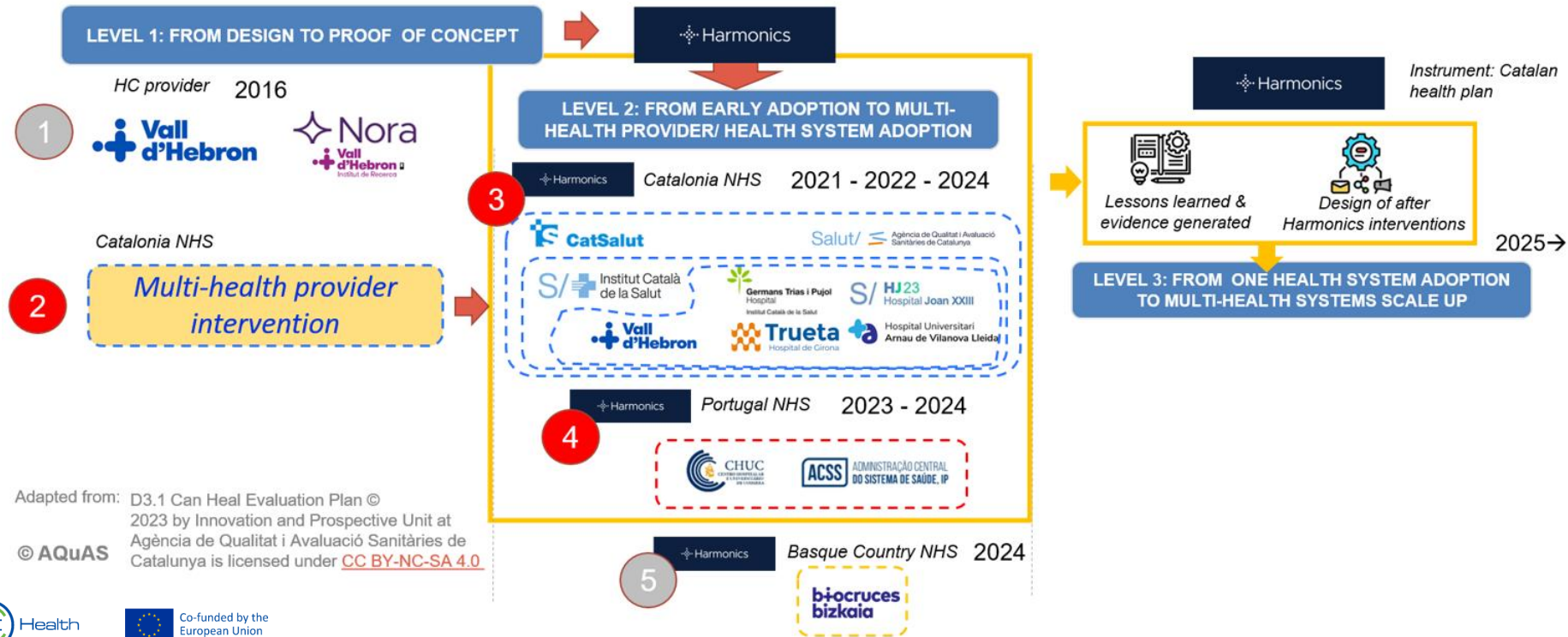
# Contextualizing “HOW”: building evidence for implementation



# Key aspects of Harmonics for systemic adoption



# Framework for assessment of maturity readiness of innovative interventions



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# Harmonics high-value stroke care

## According to who?

### Challenge-agnostic results for a PCP/PPI

1

#### Patient-level results

- a) PROM
- b) PREM
- c) Determinants of health
- d) Long-term treatment improvement



2

#### HC-Professionals-level results

- a) Benefits healthcare providers
- b) Workplace environment / culture



3

#### HC-Provider results

- a) Organizational aspects
- b) Costs
- c) Process
- d) Technological aspects



4

#### Health System-level results

- a) Economic sustainability
- b) Safety and sustainability
- c) Long-term treatment improvement



5

#### Socio-economic-level results

- a) Social determinants
- b) Economic evaluation and HTA



### A Institutions

#### Patients

- 1 Patients organization

2

#### HC Professionals

#### HC providers

- 1 Hospital
- 2 Primary care
- 3 Rehabilitation units
- Corporate

4

#### HC systems

- 1 Payor
- 2 Health department
- 3 HTA agency

5

#### Socioeconomical

- 1 HTA(feedback Bioeff)

### B Natural people

#### Patients

- 1 Patients
- 2 Expert patient
- 3 Current patient
- 4 Care giver
- 5 Family member

2

#### HC Professionals

- 1 Neurologist
- 2 Fisioterapist
- 3 Occupational therapist
- 4 Social worker
- 5 Case manager - Hospital
- 6 Case manager - Primary care
- 7 Primary care physician
- 8 Nurse

3

#### HC providers

- 1 Hospital general manager
- 2 Clinical management
- 3 Service management
- 4 Neurology department
- 5 Stroke unit
- 6 Emergency department
- 7 Clinical director - primary care
- 8 Clinical director - hospital care
- 9 Innovation manager
- 10 Economic & financial manager
- 11 Budget manager
- 12 IT system manager

4

#### HC systems

- 1 Public payor
- 2 Stroke Care Plan head (feedback)
- 3 Health ministry (feedback)

5

#### Socioeconomical

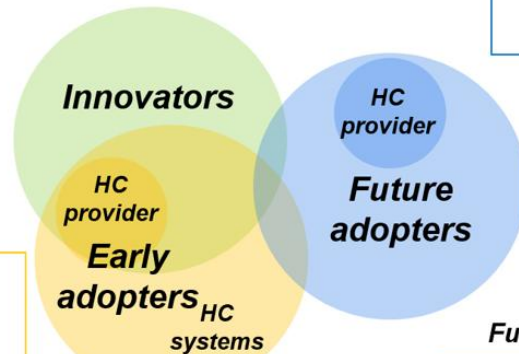
- 1 Health economist

# Innovators, early adopters, future adopters: systemic perspective

## Early adopter - HC provider



## Early adopter – Multistakeholder HC system



*Multi-health provider intervention*



## Future adopter - HC provider



## Future adopter - HC system



# Lessons learned from implementation

- **Importance of aligning with existing strategic plans (e.g., Catalan Stroke Plan, Portugal's LHUs)**
- **Role of structured implementation (e.g., primary care stroke case managers)**
- **Need for interoperability between digital health tools and existing systems**

## *Outputs of Harmonics ("HOW building")*

- *Clinical results of multiple cases*
- *Harmonized agreements*
- *Harmonized adapted interventions*
- *Economic analysis*
- *Business case*
- *Process mapping and projection*
- *Implementation heterogeneity*
- *Health system actors variety*
- *Multidimensional results*
- *Change management cases*
- *Lessons learned*
- *Multidimensional aligned vision*

# THANK YOU



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Sanitàries de Catalunya



<https://www.hipss.eu/>

***“Transforming health systems in a collective and collaborative approach using PPI as vehicle”***

***Check out HIPSS and reach out for upcoming systemic engagement and workshops!***