



# S-HELP Project

Securing Health.Emergency.Learning.Planning

Development of Decision Support Tools for Improving  
Preparedness and Response of Health Services Involved in  
Emergency Situations

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[www.fp7-shelp.eu](http://www.fp7-shelp.eu)

# Overview

## Agenda

- Objectives of S-HELP
- **Deliverable** : Emergency Management phases mapped to system process
- **Framework** : An integrated development and learning lifecycle
- **Activities** : Structure of S-HELP and Work Package Flow
- **Deliverable** : Focus on users and their requirements
- S-HELP partners and consortium

## European Commission: Seventh Framework Programme

- Under the Seventh Framework, the research theme is **Security**
  - Aims to develop the technologies and knowledge for building capabilities needed to **ensure the security of citizens from threats**
- € 3.5 million
- 2014-2017
- 11 partners from 7 countries

# Objectives

More specifically, we aim to:

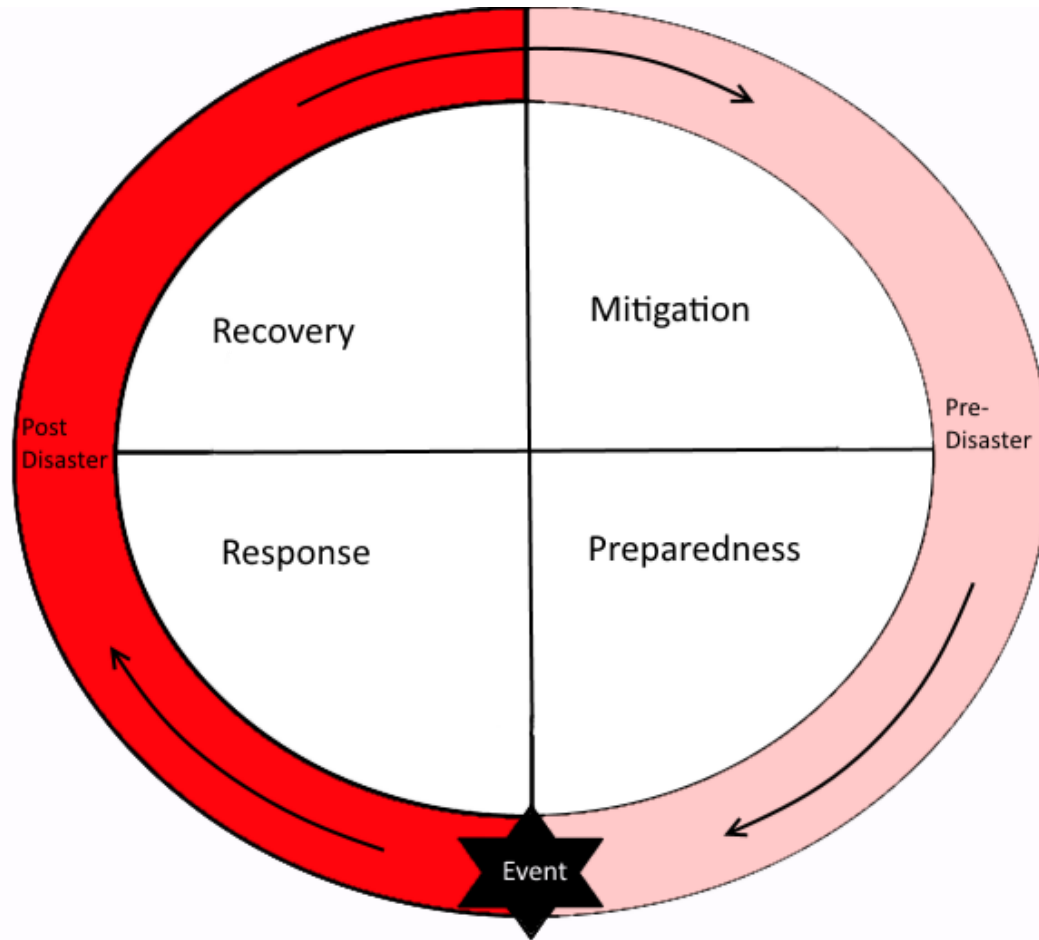
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1. Define an interoperability standard to enable communication and coordination across different geographical areas and cultural settings
2. End-user and partner driven solution to meet needs of different users from partner countries in Europe and beyond

The central aim of the S-HELP project is to develop and deliver a holistic framed approach to healthcare during each phase of the emergency management cycle: preparedness, response and recovery.

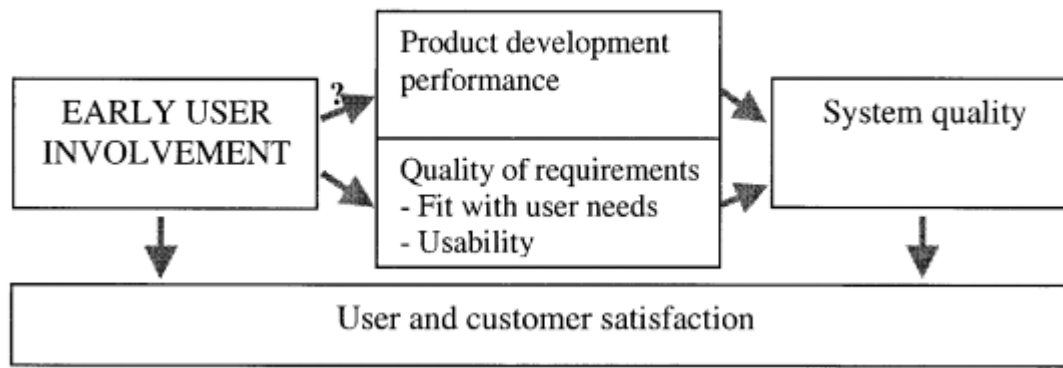
3. Define and apply an interoperability standard for multiple agencies jointly responding to a disaster
4. Advancing the design and application of current available solutions, to improve preparedness, response and recovery in emergency situations
5. Delivering decision supporting tools for emergency preparedness, response and recovery, tested, evaluated and enhanced through quality, end user designed emergency scenario's

# Emergency Management



# Focus on Users

- Focus on users and tasks
- Use of simulations and prototypes to carry out real work
- Use of agile development method
- Performance and reactions monitored
- Users value functional features of a system that are useful in helping them complete their tasks rather than generic system attributes



# Focus on Users

USERS access S-HELP via mobile devices or web pages

Access Control (Login, authentication authorisation)

Social media  
trawling & risk  
communication

Existing C3 / Dispatch  
User Interface

Vector Command User Interface  
with S-HELP addins

Users' Existing  
models

User  
Interface

## S-HELP CORE APPLICATIONS:

### *Mitigation and Preparedness:*

- EM Tutor,
- Collaborative tools
- EM intelligence
- Logistics
- Learning Simulator Management / Skills

### *Response:*

- Tutor as Prompt
- Decision Support Systems
- Central Repository
- Logging
- Logistics
- Incident Based Reasoning System

### *Recovery:*

- Reporting: Baseline, Performance, EM Intelligence
- Post Evaluation

Computer  
Software

S-HELP application servers and databases, including :

- KMS
- LMS
- GeoData
- Repository with Taxonomy

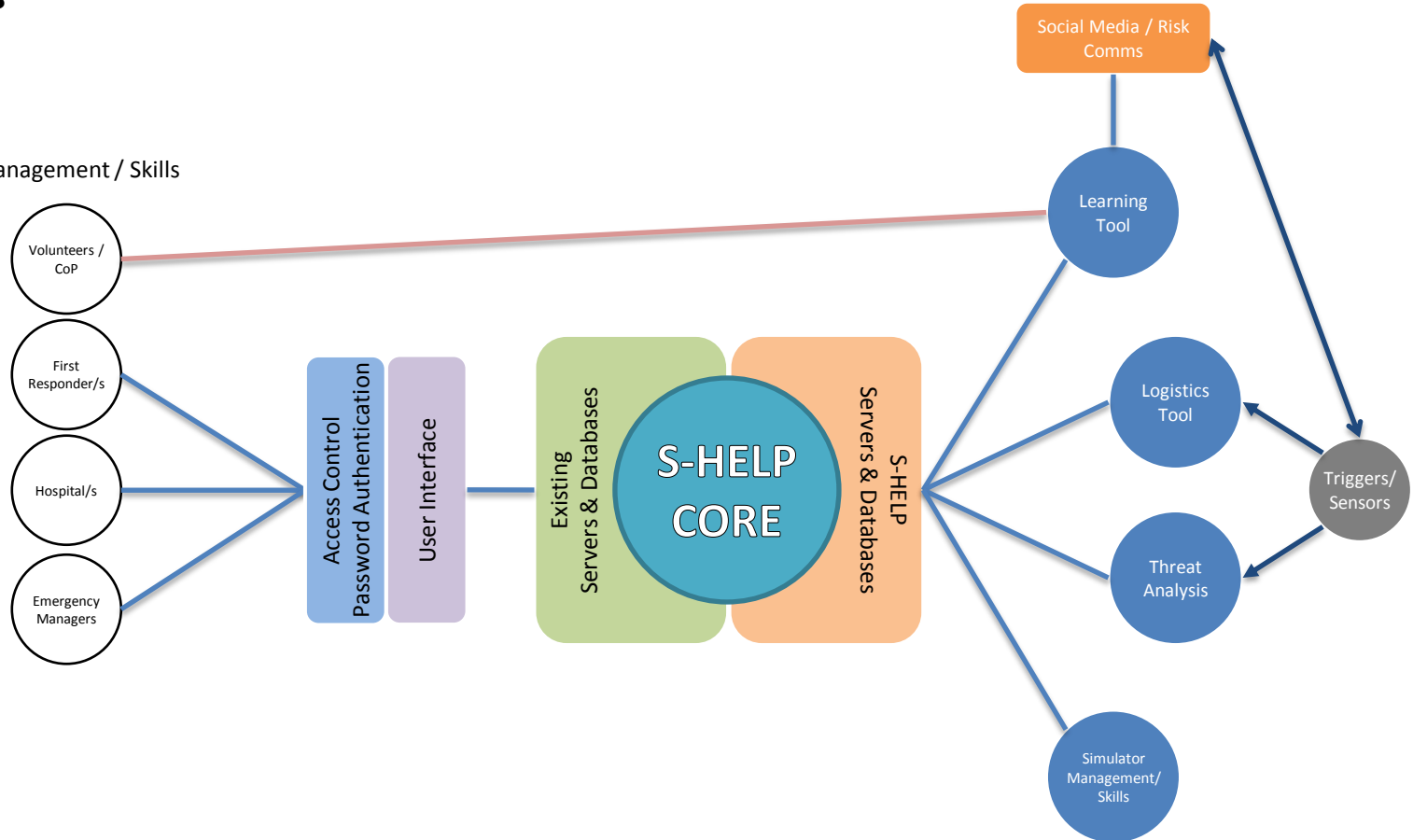
Existing  
servers and  
databases

Computer  
Hardware

# Mitigation and Preparedness

## Context Diagrams

- EM Tutor,
- Collaborative tools
- EM intelligence
- Logistics
- Learning Simulator Management / Skills

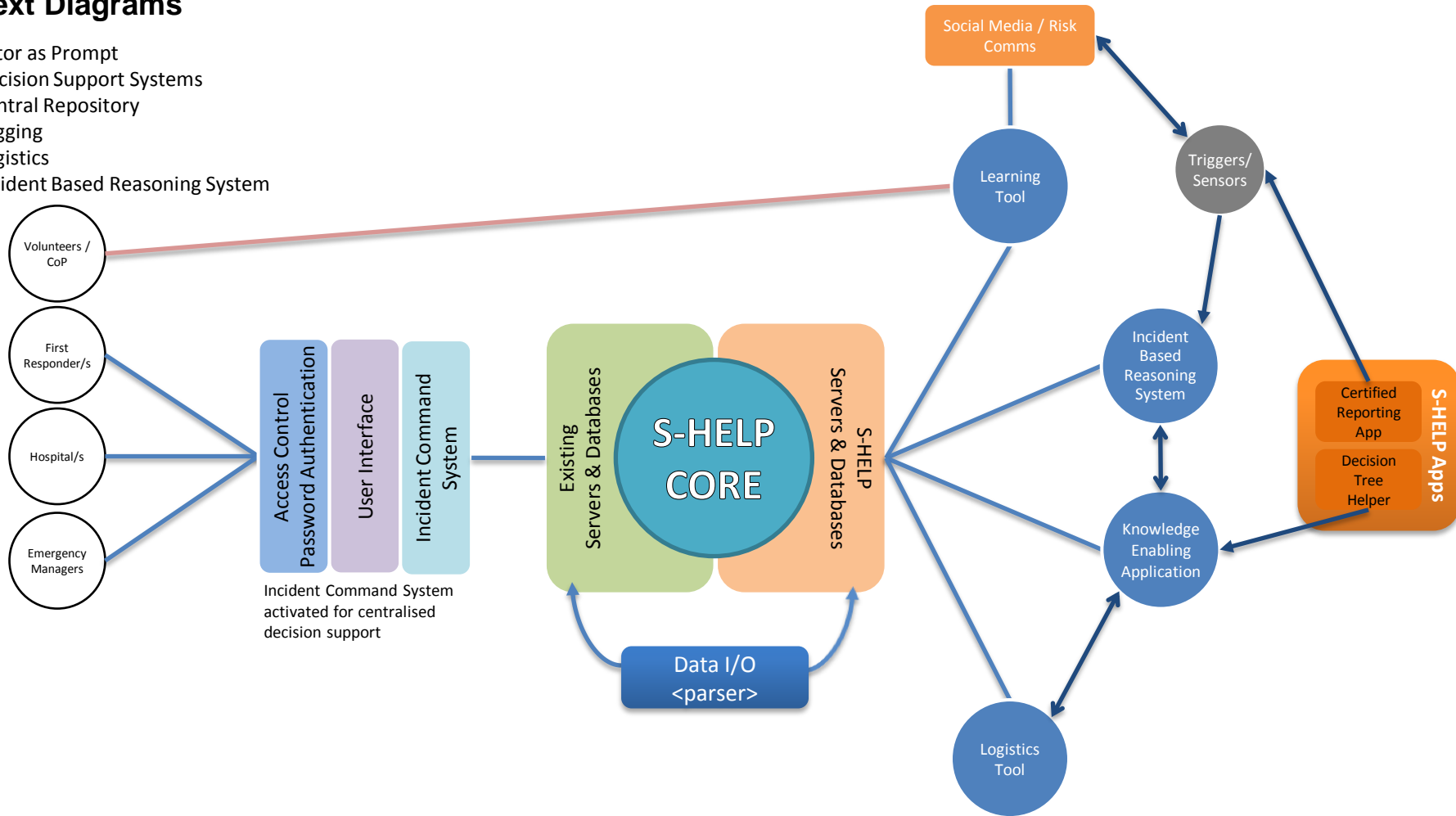




# Response

## Context Diagrams

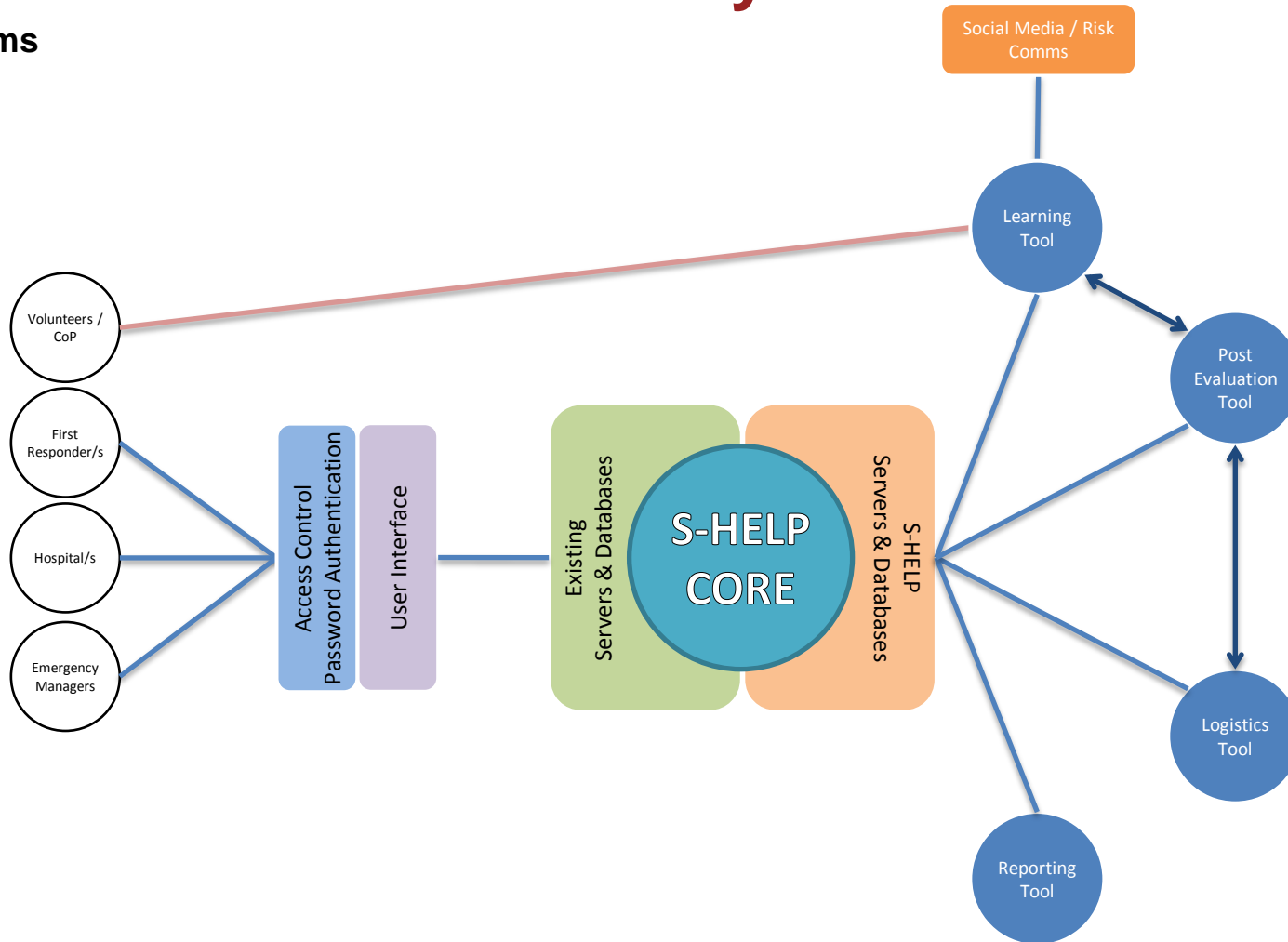
- Tutor as Prompt
- Decision Support Systems
- Central Repository
- Logging
- Logistics
- Incident Based Reasoning System



# Recovery

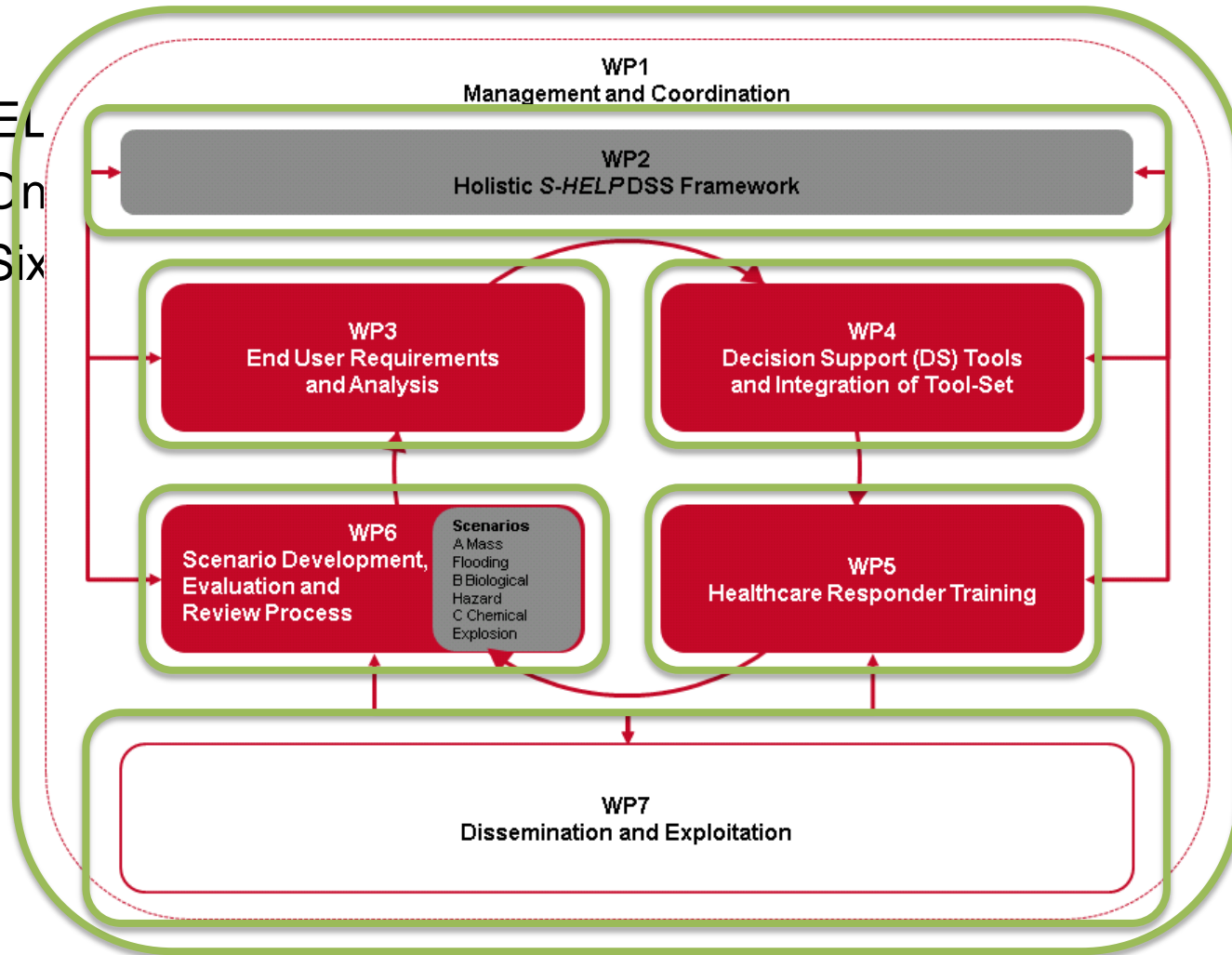
## Context Diagrams

- Reporting: Baseline, Performance, EM Intelligence
- Post Evaluation



# Activities

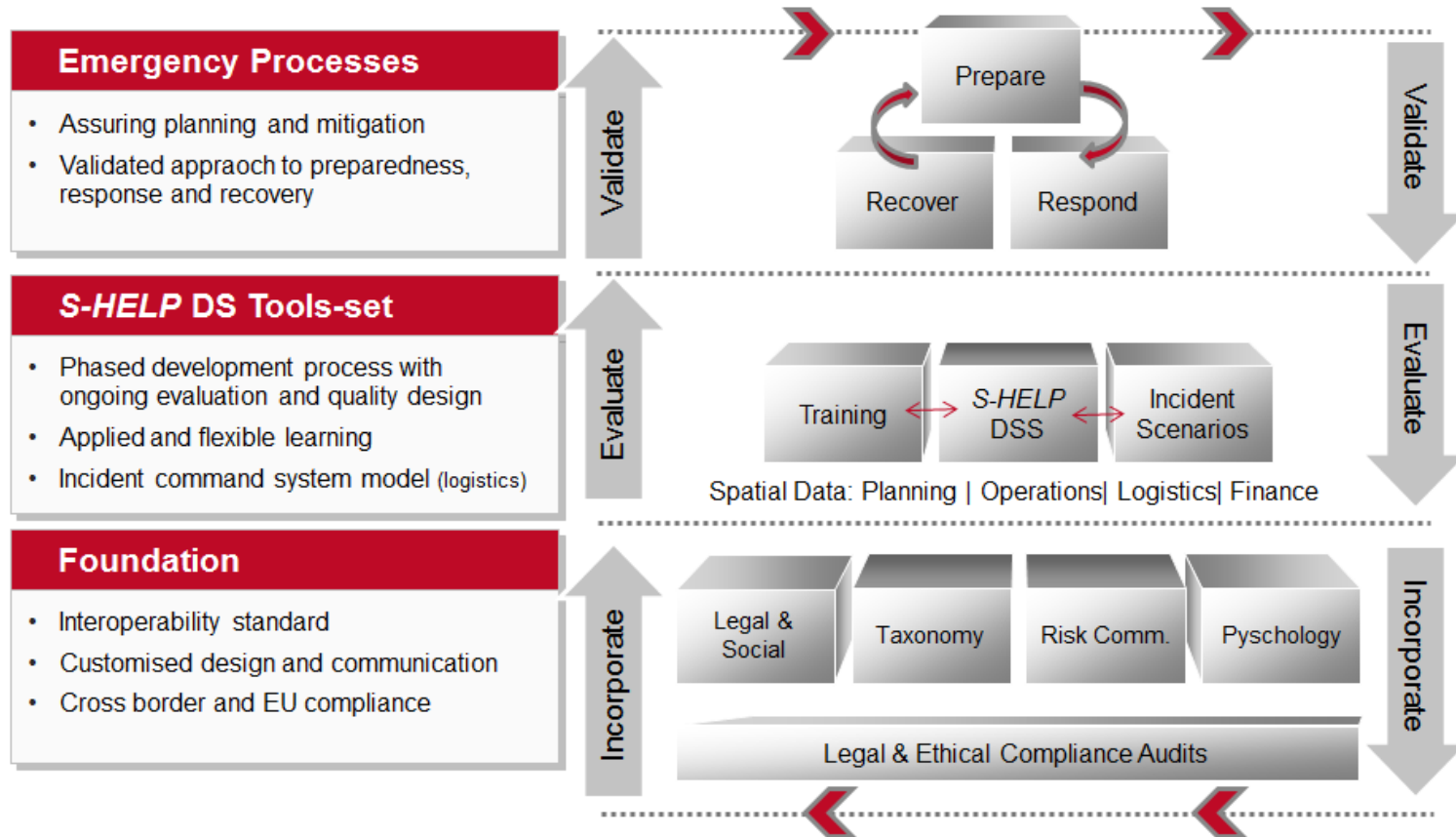
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# Framework

An integrated development and learning life-cycle:

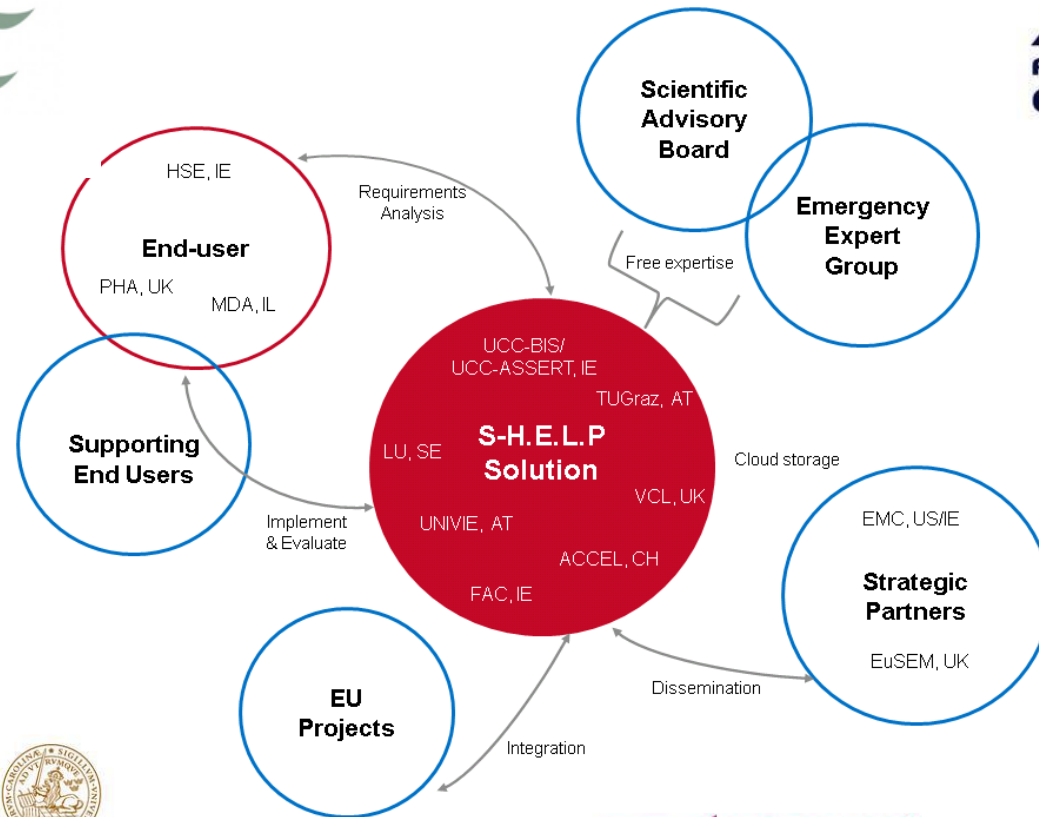




# S-HELP Consortium



Business Information Systems





# Contact

**S-HELP**

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<http://www.fp7-shelp.eu>

