



# eHEALTH PROJECT IN SLOVENIA – eHealth Survey as a strategy for utilizing EU structural funds

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# AGENDA

1

Formal framework of the project

2

Strategic goals

3

Main starting points

4

eHealth project structure

5

eHIS Component - zVEM

6

eHIS Component - EHR

7

eHIS Component - zNET

8

Centre for Information Technology in Health Care (CIZ)

9

Complementary projects

10

Benefits of New HIC and HPC

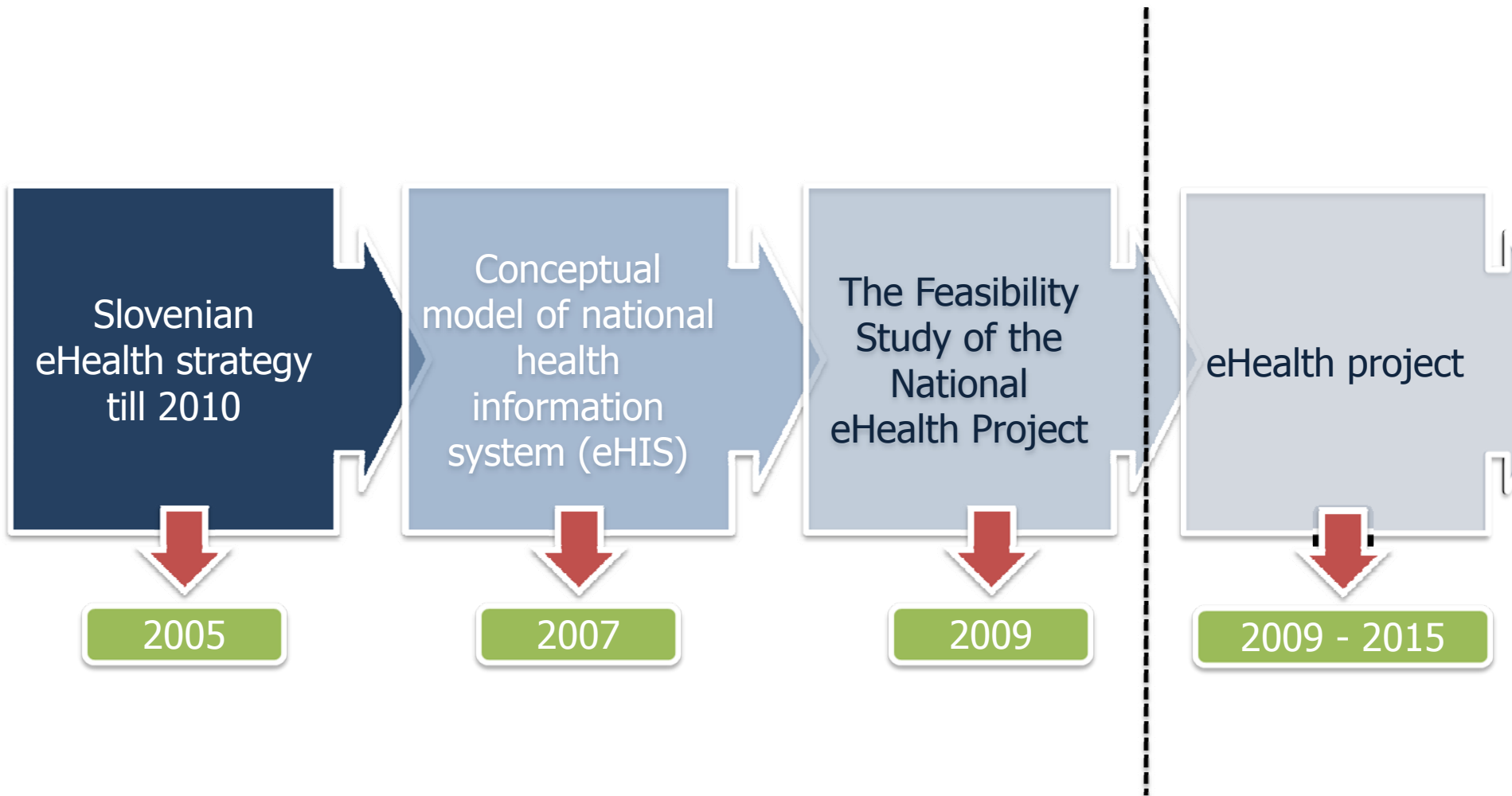
# FORMAL FRAMEWORK OF THE PROJECT

- **Project name:** eZdravje (eHealth)
- **Project duration:** September 2008 – June 2015
- **Number of (sub)projects:** 18 + sample (pilot) projects
- **Number of current active projects:** 11 (including sample projects)
- **Sources of funding:** European social fund, Budget of the Ministry of Health, other public funds
- **Estimated value of the project (until 2015):** approximately 67 million €
  - *European social fund: 27.042.167 €*
  - *Budget of Ministry of Health: 25.967.468 €*
  - *Other public funds: 14.551.000 €*
- **Estimated value of the project (untill 2023):** approximately 133 million €

# STRATEGIC GOALS OF THE PROJECT

- Increasing active role and responsibilities of citizens for their health care
- Improved access to all necessary information and ability of citizens to participate in the development of qualitative health care services
- Providing secure and reliable access to all key patient information for all health care providers, GPs, specialists, pharmacists within EHR and other data sets.
- Easier planning and management within health organizations or health care sector as a whole on the grounds of qualitative and authentic economic, administrative and clinical data
- Improved access to health care services for groups of people which are usually excluded due to their reduced abilities, age or any other reason.

# MAIN STARTING POINTS



# eHEALTH FEASIBILITY STUDY PROJECT

## ● Project Team

- 45 experts from different organizations
- Ministry of Health, The Health Insurance Institute of Slovenia, Institute for Health Care, Medical chamber of Slovenia, Association of health institutions of Slovenia, Ministry of Public Administration, Ministry of Higher Education, Science and Technology

## ● Time Line

- Start: Dec 2008
- End: Apr 2009

## ● Main Deliverables

- Investment Documentation
- Action Plan
- Subprojects Definitions

# eHEALTH FEASIBILITY STUDY DOCUMENTS

Investment Documents

The basis for EU  
funding

Pre-investment scheme with implementation scenarios of the eHealth project and definition of criteria for optimal implementation scenario

Investment program for the selected optimal scenario of the eHealth project realization

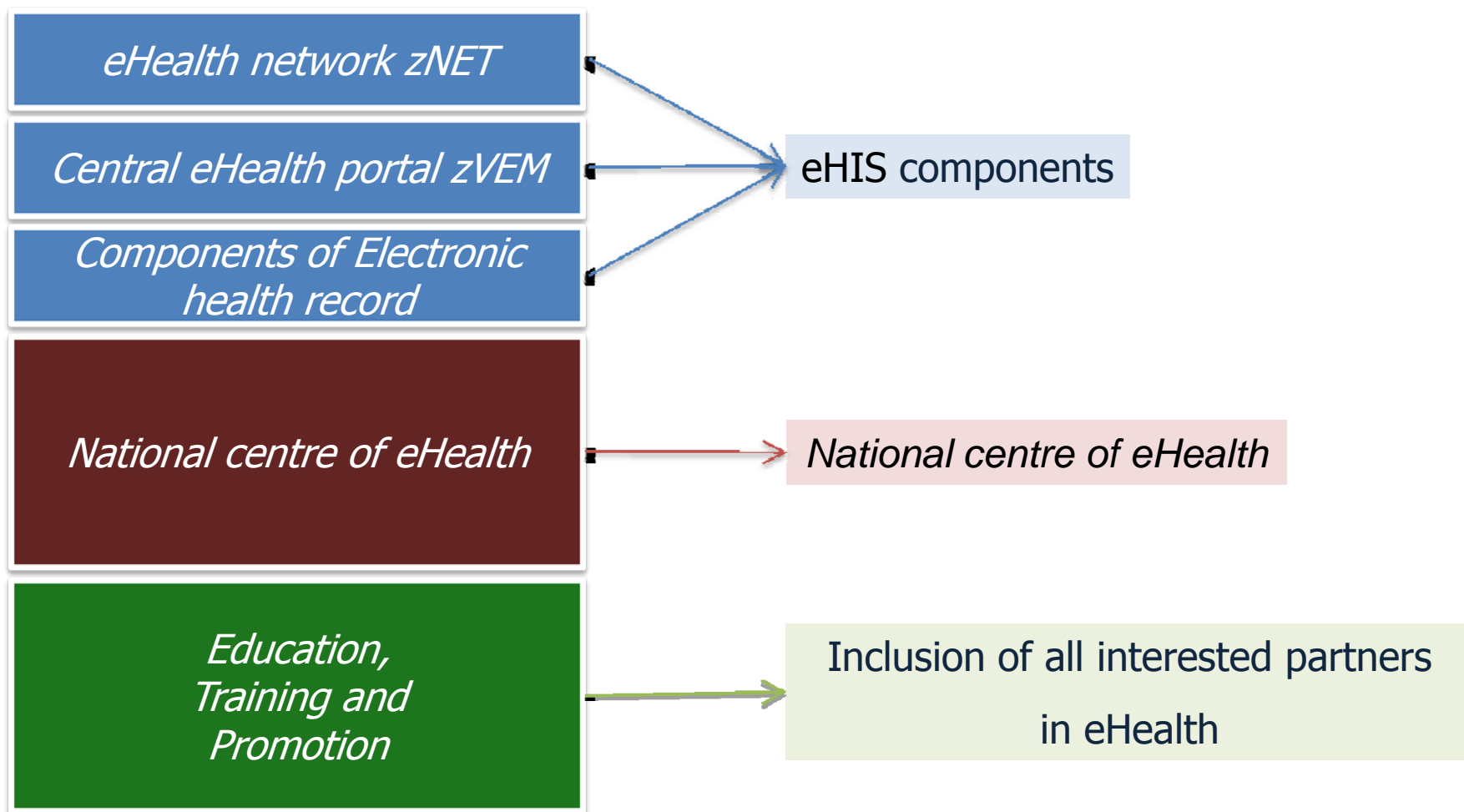
Action Plan

Action plan for the eHealth project

Subprojects Definitions

Definitions of all subprojects and high level architecture design of the national eHealth system

# eHEALTH PROJECT STRUCTURE







# eHEALTH PROJECT ACTION PLAN AND SUBPROJECTS IN PROGRESS

## eHealth Network zNET:

- Central equipment
- Implementation of end points

*zNET*

## Central eHealth portal zVEM:

- Framework
- eReferral

*zVEM*

## Components of Electronic health record:

- National information model
- Standardization of EHR components

*EZZ*

## Education, Training and Promotion

*PUI*

## National centre of eHealth:

- Establishment of CIZ

*CIZ*

## Pilot projects:

- Lab-poštar
- National waiting lists
- Teleradiology
- Information security

*Vzorčne rešitve*

# eHIS COMPONENT - ZVEM

- **zVEM – the national eHealth portal**

- Central eHealth portal
- Search, exchange and provide health care information and data
- Secured and controlled use of national eHealth services

- **Planned projects**

- Framework and basic services of the portal
- National waiting lists and eReferral
- Medication record and e-prescription
- Telemedicine and Telecare
- Personal health record
- Knowledge base and information about health care (Disease information, etc)
- Health data access control
- Health care quality monitor
- Reporting, health care statistics, quality data
- Exchange of other eDocuments (eDischarge Letter)

- **Plan 2010**

- framework and basic services of the portal
- national waiting lists and eReferral

# eHIS COMPONENT - EHR

- **Standardized structure of electronic health records (EHR)**

- refers to individual citizens,
- parts of the EHR shall be collected by the health provider who treats citizen,
- the administrator of the main EHR for citizen is his selected general practitioner,
- the critical data and pointers to the locations of the EHR for citizen are expected to be kept in the central registry (Patient summary) – *legal framework*

- **Planned project**

- National information model, data dictionary
- Standardization of EHR components
- Establishment of national EHR (including patient summary)
- Implementation of standards

- **Plan 2010**

- the development of national information model
- setting standardization process

# eHIS COMPONENT - ZNET

- **zNET - the national eHealth network**
  - which ensures secure exchange of health data,
  - reliable and suitably efficient environment for data exchange
- **Plan 2009 / 2010**
  - December 2009 central equipment and approx 250 end points in 2010

# NATIONAL CENTER FOR eHEALTH (CIZ)

- **Establishment of CIZ**

- The central entity of the star-like structure of eZIS
- Project management of the development of strategic infrastructure components (zVEM, zNET, EZZ),
- Central support to the national projects,
- Administrator and distributor of good practices

- **Plan 2010**

- Legal framework for establishment of CIZ

# PROMOTION, TRAINING AND EDUCATION

- **Improvement health care process for all groups**
  - different target groups
  - different forms PTE activities realization
  - different areas of knowledge
- **Planned activities**
  - Promotion of eHealth
  - Training for general areas of work and knowledge (ICT security, project management BPR,...)
  - Training and education for use of specific eHealth services for different target groups
- **Plan 2009 / 2010**
  - ICT security and reliability
  - Project management
  - Business process reengineering



*Thank you for your attention*