



With financial support from the Prevention, Preparedness and Consequence Management of Terrorism and other Security Related Risks Programme European Commission - Directorate-General Home Affairs

# A new approach in European awareness raising and alerting

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# Overview



Background of the project

A brief overview of the concept

Description of the results & deliverables

# Background of the project



Starting point: **EISAS Feasibility Study (ENISA, 2007)**

EC Comm (2009) 149 on CIIP → supporting the development and deployment of an EISAS to **reach out** in an equal and effective manner to **citizens and SMEs**.

**FISHA** - Implementation of the **European Information Sharing and Alert System (EISAS)**

February 2009 - February 2011

**NISHA** – A **pilot network** of the EISAS implementation

January 2012 – January 2014

**Co-funded by DG HOME**, under the Programme for „Prevention, Preparedness and Consequence Management of Terrorism and other Security Related Risks”



# Project partners



# NISHA: the concept



- **Mission:**

Raising the **information level** and the **awareness** of IT security issues

- **Target Groups:**

Citizens and SMEs

- **Types of Information:**

Alerts, advisories, best practices, awareness information

- **Appropriate Format:**

Timely, trustworthy and tailored (subject of interest, less technical, in **native language**)

- **Effective distribution of information:**

Multiple channels to reach target groups

# NISHA Vision



- The **network**
- which acts as a **meta-information broker**
- for ***alerts, advisories, best practices, awareness*** information
- in **Europe**

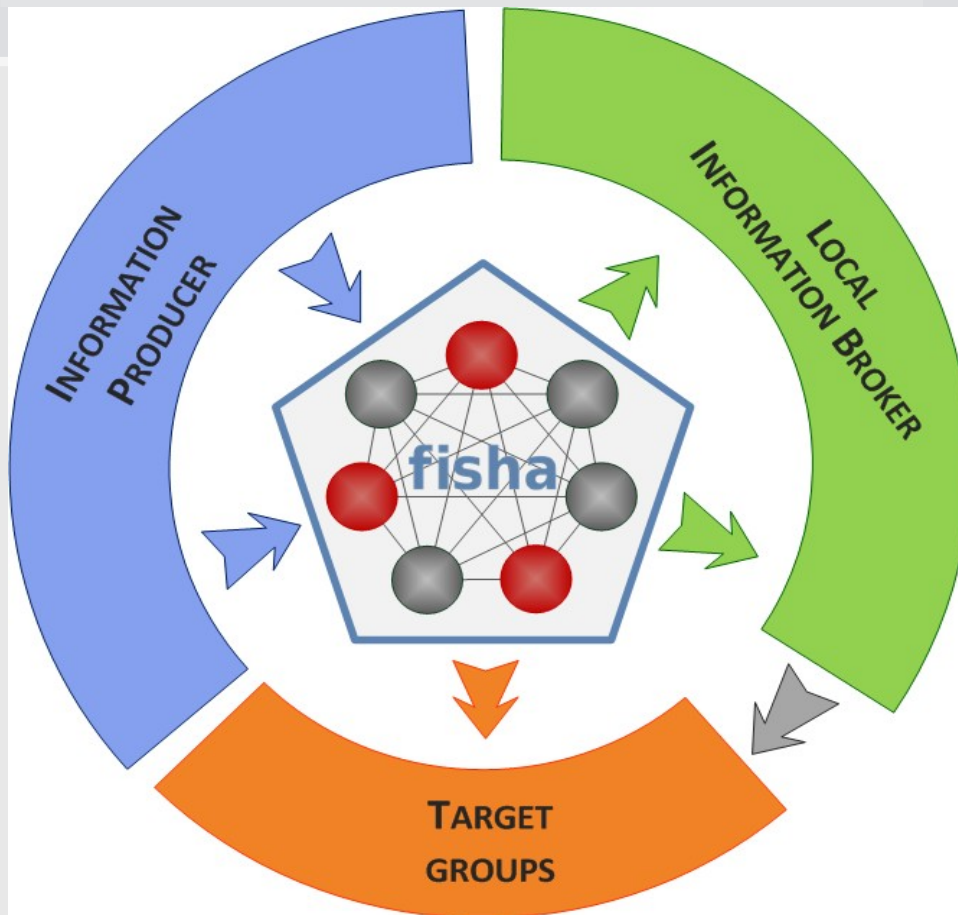
# NISHA participants





- **NETWORK SECURITY ORGANISATIONS (e.g. CERT TEAMS)**  
Every organisation joining NISHA network forms a **node** that is an integral part of the network. It runs a **web portal** that provides information for end users, generates new information, increases the value of information (e.g. add best practice to alerts, translate information into other languages) and shares the information with other nodes.
- **LOCAL INFORMATION BROKERS**  
Distribution channels for information from NISHA network.  
Every possible way to reach the final recipient: web portals, RSS, radio, TV, awareness campaigns etc.
- **INFORMATION PRODUCERS**  
Reputable entities delivering valuable information or materials concerning security. For example software and hardware producers, trusted sources.
- **INFORMATION CONSUMERS**  
Members of target groups.



# Functional organization



-  **CORE NODE**  
(to manage P2P network)
-  **BASIC NODE**



# Node's functions

**Node**

**Function within  
P2P network:**

**Core node**

**Basic node**

**Information  
processing:**

**Creating  
information**

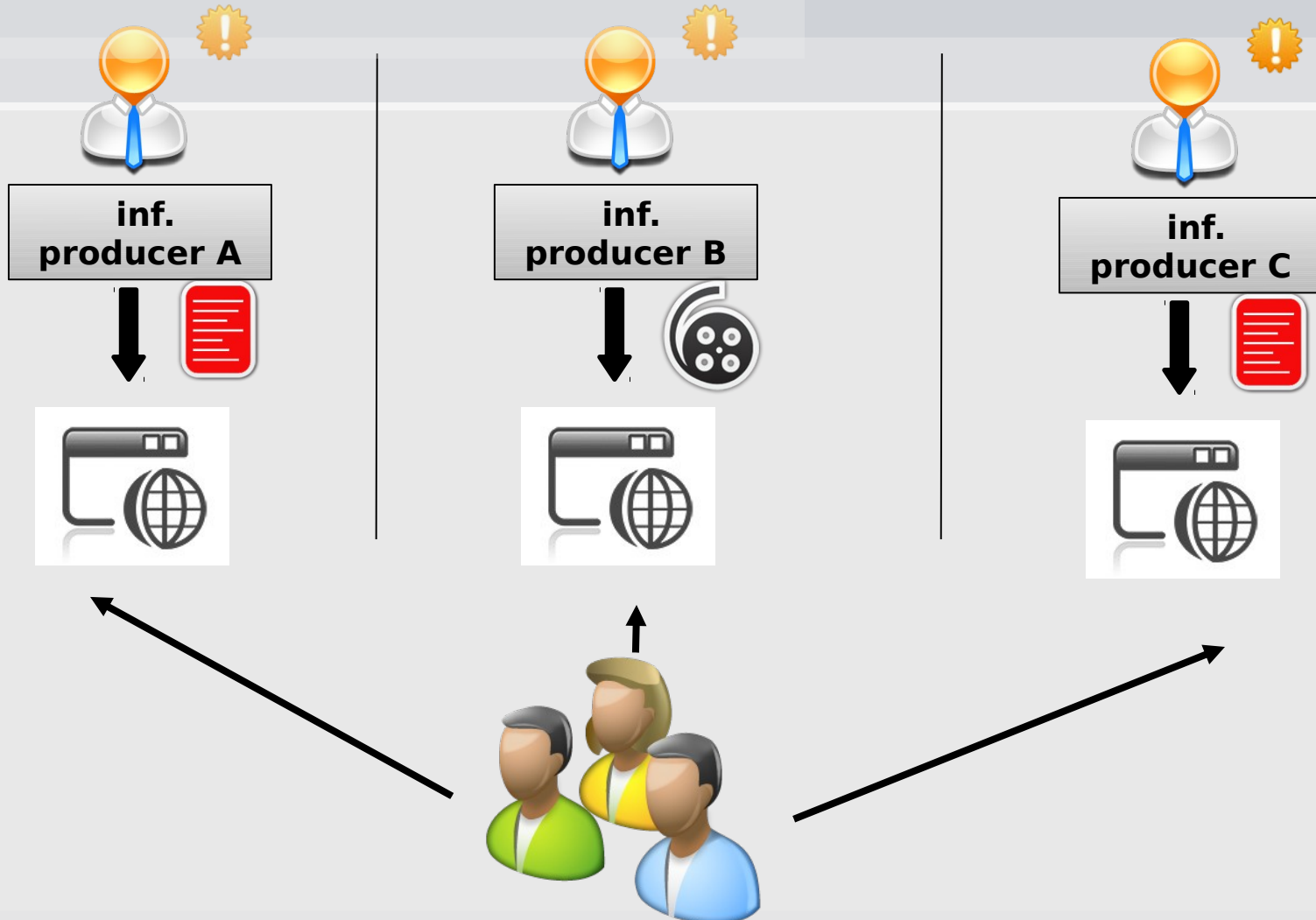
**Modifying  
information**

**Receiving  
information**

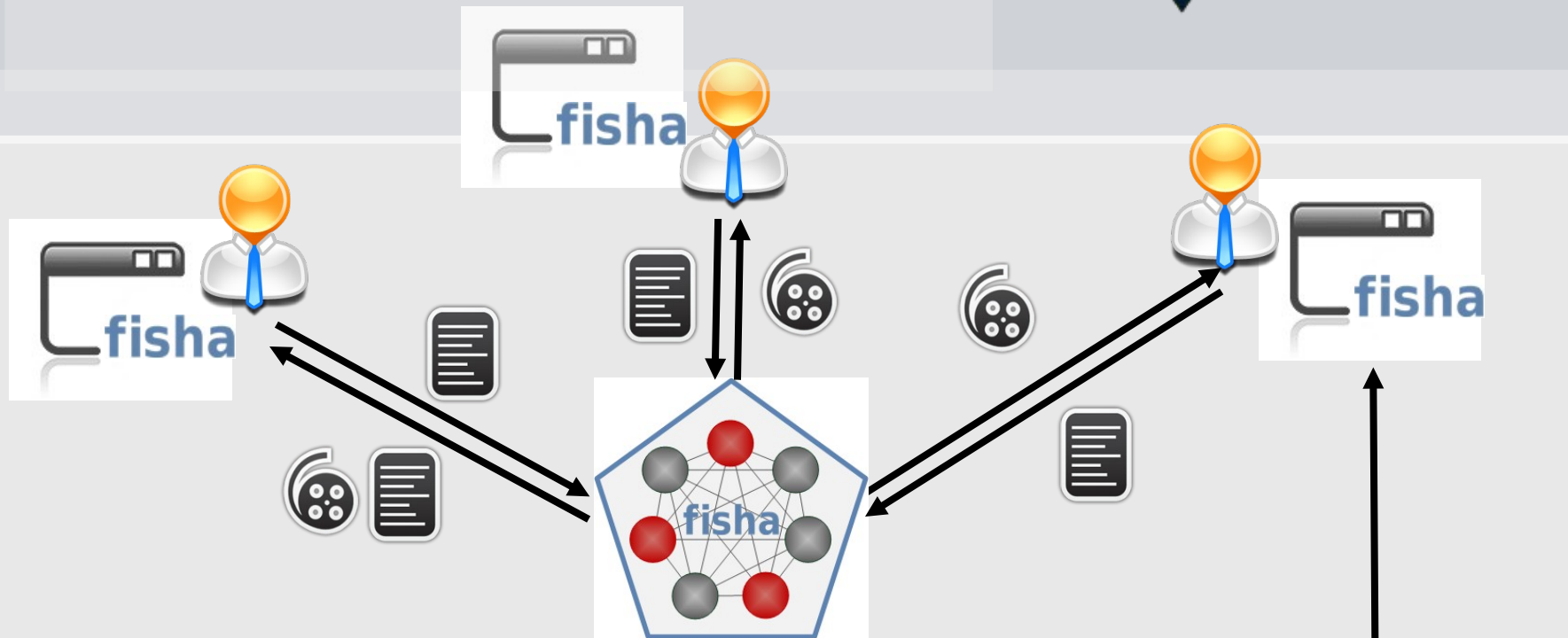
**Publishing  
information**

**Translating  
information**

# How it (mainly) works now



# How it is to work with NISHA



- Sharing information
- Reduction of overlaps
- More information produced
- End user obtains better quality information on the local portal

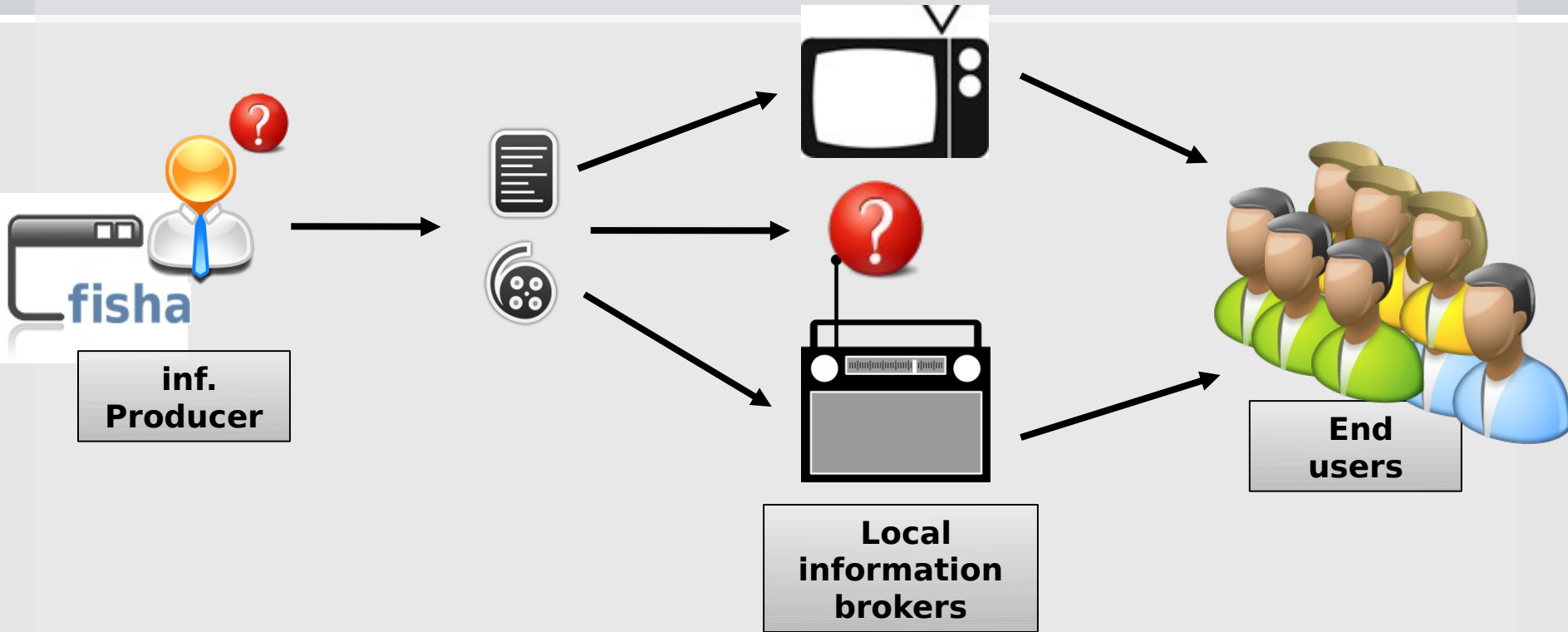


# Communication plan



- **Target groups identified:** Citizens & SMEs
  - Citizens: youth, adults, silver surfers
  - SMEs: management, employees, system administrators
- **Target group interests:**
  - Alerts & warnings: indicate a local threat level
  - Advisories: tailored for own ICT dependency (SMEs)
  - Awareness information
- **Communication channels** → use of information brokers
  - TV/radio/newspaper
  - Web/email
  - Twitter/social networking

# Role of information brokers



Local information broker has more capability to reach vast groups of end users.

# Components of NISHA



## IT system, as tool of the concept

- portal at local level, operated by nodes
- network at European level, operated by the core nodes
- currently a prototype system in a virtual environment

## Policy framework

- stakeholders
- steering committee
- membership process → recommendations
- proposals for funding and maintaining the network → recommendations
- guide to set up a FISHA node & deployment plan
- communication & outreach plan

# Deliverable schedule

Inventory of related initiatives ✓

Requirements analysis ✓

System architecture & protocol ✓

Implementation of the FISHA prototype ✓

Policy framework and Communication plan ✓

Review and develop full functionality ✓

NISHA webportal & network ✓

Test cooperation and funding framework ⌚

NISHA-in-a-box ⌚



Questions?