



# **EENA & CHORIST**

## **New solutions for early warning**



The **European Emergency Number Association (EENA)** is a non-profit association established in Belgium. Its main objective is **to promote the knowledge and efficient use of the 112, the single European Emergency Call Number, all over Europe**, by acting as a discussion platform bringing together all the actors (organizations, emergency services, enterprises and individuals) involved with the development and the implementation of the 112.



# Project CHORIST

*CHORIST = Integrating Communications for enhanced environmental Risk management and citizens safety*

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**Client:** European Commission  
Programme: FP6 (2002-2006)  
Thematic priority / domain: IST (*Information Society Technologies*)

**Figures:**

Consortium:	17 members, from 8 European countries
Starting date:	1 <sup>st</sup> June 2006
Duration:	3 years
budget:	12,890,000 €
EC funding:	7,089,000 €
manpower:	1,150 person.months

## Project scope

To propose solutions to increase rapidity and effectiveness of interventions following natural hazards and industrial accidents, in order to enhance citizens' safety and communications between rescue actors.

**Context:** Environmental risk management of:

- Natural hazards (e.g. flash floods)
- Industrial accidents (e.g. chemical plant explosion)

**Time:** disaster response

**Goal:** To improve how information is prepared, accessed and communicated

- Between Authorities
- For on-field rescue teams
- From Authorities to citizens and vice-versa



# The CHORIST system = a toolbox

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The tools of CHORIST:

1. A fully integrated, reliable and performing **risk assessment** report system built upon:
  - existing heterogeneous sensors
  - existing monitoring agencies (meteorological, chemical...)
  - 112 call centres
2. Heterogeneous communication means to **dispatch to target groups multilingual messages** from Authorities to citizens through (*at least*):
  - digital radio (DAB)
  - digital TV (DVB)
  - GSM cell broadcast
  - sirens . . .
3. Two secured, rapidly deployable and interoperable voice and high data-rate **telecommunication systems**:
  - Mobile TETRA TEDS cells (Wideband - some 100 Kbps)
  - WiMAX ad-hoc network (Broadband - some Mbps)

# Communication to the citizens

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## Innovation and improvements

- Message composition based on language and cultural issues in an automated system.
- Geographical discrimination of alert under automated manner
- Communication channel dispatcher to alert citizens through the most appropriate channel according to target groups and location
- **Special interest for impair people as a specific target group**
- Definition of a communication protocol between citizens and 112 to gather information and associated awareness campaign

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# Thank you!

For more information:

[www.eena.org](http://www.eena.org)

[www.chorist.eu](http://www.chorist.eu)