



# EPIS: Epidemic Intelligence Information System

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# EPIS



## Objectives:

- ❖ Application for risk assessment entities to exchange non-structured and semi-structured information regarding current or emerging public health threats with a potential impact in the EU.
- ❖ A real-time international platform through which a network of experts can rapidly share information and data in a way which is fully transparent.

# Why EPIS?



## Added values:

- ❖ Less emails
- ❖ Secure website
- ❖ Discussing risk assessment, response and preparedness
- ❖ Posting & reply to cluster notification / community outbreak investigation
- ❖ Uploading/downloading documents
- ❖ Linking with other applications , e.g. TESSy
- ❖ Possibility to produce monthly/annual reports

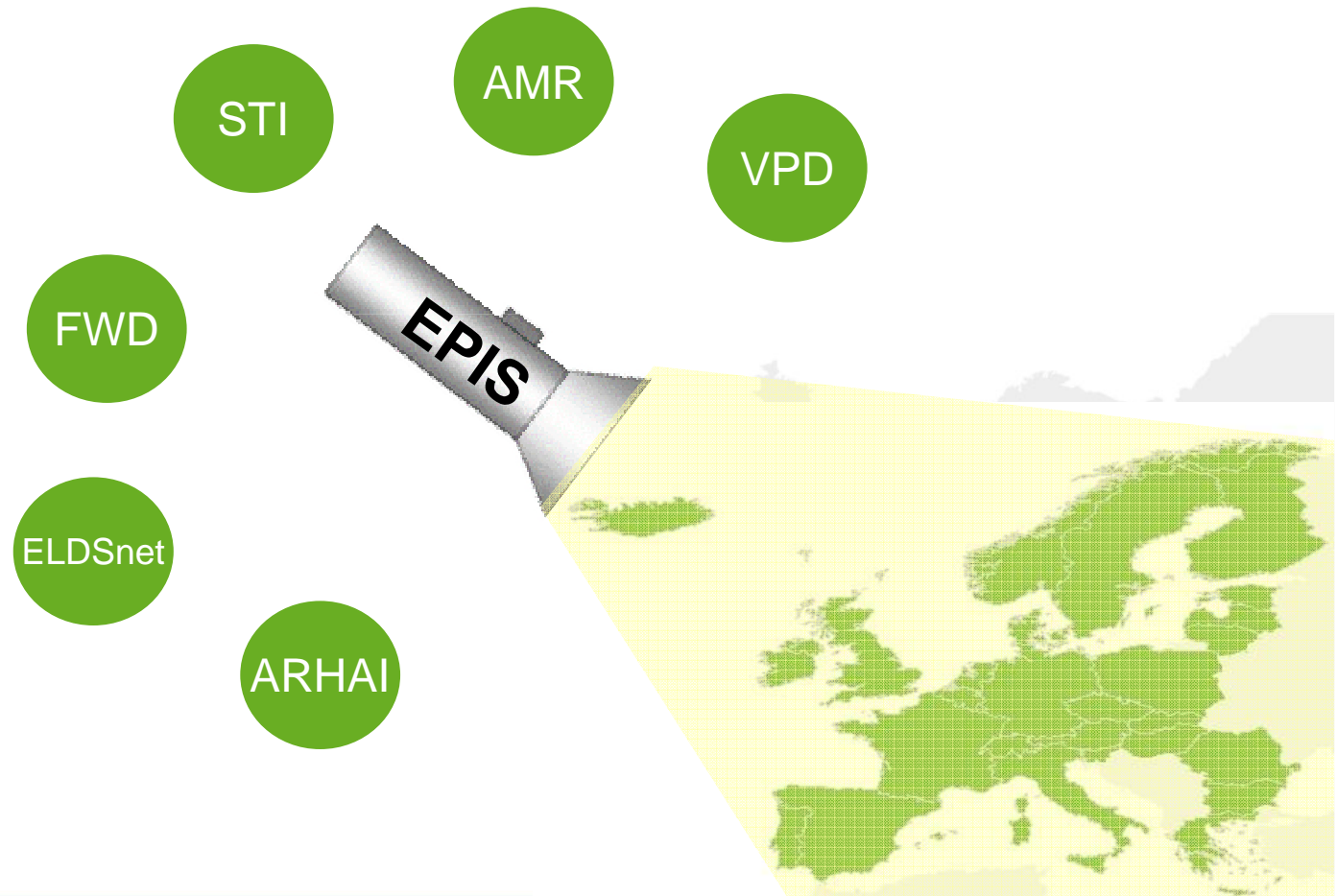
The screenshot shows the EPIS website interface. At the top, it says 'This website is part of the ECDC (European Centre for Disease Prevention and Control) network.' Below that, the header includes 'ECDC Extranet | EPIS Epidemic Intelligence Information System' and 'Introduction to EPIS'. A navigation bar contains 'Tools', 'Topics', and 'Glossary'. A green banner asks 'Why would you want to use EPIS?'. Below this, there are icons for a document, a PDF file (Adobe), and an email envelope. A large white arrow points down to a screenshot of the EPIS application interface. To the left of this arrow, the text 'Added value:' is followed by a list of benefits:

- Secure website
- Discussion among experts
- Posting & reply to Urgent Inquiries
- Uploading/downloading documents
- Creating questionnaires, summary tables, epidemic curves, etc.
- Producing reports

The application screenshot shows a list of messages with columns for 'Title', 'Author', and 'Last Modified'. The messages include topics like 'Cluster of Salmonella', 'Urgent Inquiries', and 'Salmonella'.

# Different EPIS?

EPIS is fully customized for the network → Many different EPIS



# Example of customisation

## FWD

Optional, unstructured and structured data, no interaction with TESSy

## STI

Mandatory, structured data, no interaction with TESSy, access rights complex.

## ELDSnet

Mandatory, structured data, TESSy, complexity +++

## AMR

Optional, unstructured and structured data, predefined reports, graphical reports, no interaction with TESSy, (national forum ?)

## VPD

Optional, unstructured and structured data, predefined reports, graphical reports, interaction with TESSy ?

# EPIS: example of FWD



ECDC Extranet | **EPIS** Epidemic Intelligence Information System | Welcome Thomas Mollet

Epis | This List: Urgent Inquiries

Epis > Urgent Inquiries

### Urgent Inquiries

Urgent Inquiries

View: **Subject**

ID	Subject	Disease	Pathogen	Replies	Last Updated	Author's Country	Active
2010-03-15-6	HAV_Multistates_Semi dried tomatoes (update of UI from France 01/02/2010 and Australia 30/09/2009)	hepatitis A	hepatitis A virus	2		ECDC	Yes
2010-04-06-7	UI on behalf of Finland - Listeria monocytogenes serotype 1/2	listeriosis	Listeria monocytogenes	21	28/04/2010 10:33	Finland	Yes
2010-04-23-23	Outbreak in Ireland of fully sensitive Salmonella Typhimurium DT8 associated with duck eggs	salmonellosis	Salmonella typhimurium	17	12/08/2010 14:55	Ireland	Yes
2010-04-26-26	A Swedish outbreak of Salmonella Senftenberg among old people	salmonellosis		20	30/04/2010 20:59	Sweden	Yes
2010-05-03-54	Any information on MLVA-type 03-16-09-NA-311	salmonellosis	Salmonella typhimurium	7	27/05/2010 10:38	Netherlands	Yes
2010-05-05-60	Super-regional increase in S. Montevideo infections in women/girls	salmonellosis	Salmonella enterica	15	10/05/2010 14:10	Germany	Yes
2010-05-09-78	Salmonella Mbandaka outbreak due to egg caused by soja feed	salmonellosis		21	18/05/2010 11:23	Austria	Yes
2010-05-10-92	Salmonella Enteritidis PT14: Increase number of cases in the UK	salmonellosis	Salmonella enteritidis	17	18/05/2010 11:00	ECDC	Yes
2010-05-15-115	S.Kottbus	salmonellosis	Salmonella enterica	20	17/06/2010 12:05	Bulgaria	Yes
2010-05-28-145	Increase in specific monophasic variant Salmonella 4,12,i:- in France	salmonellosis	Salmonella enterica	14	16/06/2010 12:18	France	Yes
2010-06-02-157	Outbreak of Salmonella Typhimurium MLVA type 03-14-10-00-311	salmonellosis	Salmonella typhimurium	6	28/06/2010 10:56	Netherlands	Yes
2010-06-15-168	S. Tm. ASSuT, salami link	salmonellosis	Salmonella typhimurium	8	16/07/2010 12:01	Denmark	Yes
2010-07-08-180	Increase in S. Panama infections, Germany	salmonellosis		11	19/07/2010 12:10	Germany	Yes
2010-08-20-199	Outbreak of Salmonella Java PT 3B Var9 in the UK	salmonellosis		8	24/08/2010 14:15	United Kingdom	Yes

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# EPIS: example of FWD

ECDC Extranet | **EPIS** Epidemic Intelligence Information Sys

Epis

Epis > Urgent Inquiries

## Urgent Inquiri

EI General

**Ad Hoc**

..... Listeria monocytogenes se[...]

**FWD**

..... Network Announcements

..... For Information

..... Urgent Inquiries

..... Campylobacteriosis

..... Listeriosis

..... Salmonellosis

..... Shigellosis

..... STEC/VTEC

..... Yersiniosis

..... Other

Urgent Inquiries

New Actions

ID	Subject
2010-03-15-6	HAV_Multistz and Australis
2010-04-06-7	UI on behalf
2010-04-23-23	Outbreak in with duck eg
2010-04-26-26	A Swedish oi
2010-05-03-54	Any informa
2010-05-05-60	Super-region
2010-05-09-78	Salmonella M
2010-05-10-92	Salmonella E
2010-05-15-115	S.Kottbus
2010-05-28-145	Increase in s
2010-06-02-157	OUtbreak of
2010-06-15-168	S. Tm. ASSu
2010-07-08-180	Increase in S
2010-08-20-199	Outbreak of

Ad-Hoc forum: restricted area

Network announcement

For information: national event

Urgent inquiries

Predefined topics

# EPIS: example of FWD



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Epis | This List: Urgent Inquiries

Epis > Urgent Inquiries > Increase in specific monophasic variant Salmonella 4,12,i- in France

## Urgent Inquiries : Increase in specific monophasic variant Salmonella 4,12,i- in France

Epis Navigation:

- El General
- Ad Hoc
  - Listeria monocytogenes se[...]
- FWD
  - Network Announcements
  - For Information
  - Urgent Inquiries**
  - Campylobacteriosis
  - Listeriosis
  - Salmonellosis
  - Shigellosis
  - STEC/VTEC
  - Yersiniosis
  - Other

Urgent Inquiries

ECDC Summary

June 17, 2010

The French authorities are reporting an increase in the specific monophasic variant Salmonella 4,12,i:-. The vehicle of the transmission is dried pork sausage which is sold pre-packaged. This product has been distributed in France and Belgium. Recalls in France and Belgium are underway and a RASFF notification was issued (2010.0670). In Belgium no increase of Salmonella 4,12,i:- has been observed.

Responses

Date	Country	Has Cases	Cases	Epidemiological Information	Suspected Sources	Organism Characteristics
28/05/2010 14:46	France		88	The French authorities are investigating an increase in the specific monophasic variant Salmonella 4,12,i-. Eighty-eight confirmed cases have been reported as of 27th May 2010. The cases are aged from 1 to 89 years old (median age of 8) and sex-ratio is 1. Cases reported date of symptom onset between 15 March 2010 and 9 May 2010 with the peak in week 15 (mid April). Cases are geographically spread throughout the country.	Epidemiological investigation has identified a dried pork sausage which is sold pre-packaged as the vehicle of transmission. A trace-back investigation has identified a contaminated batch which comes from a single producer and was distributed nationwide to one supermarket chain from the 3rd to the 17th of March 2010. The expiry date of this batch ranges from the 1st-15th June 2010.	The MLVA subtype of the epidemic strain is "3-13-15-WA-211"
02/06/2010 16:39	Belgium	No		The National reference centre for Salmonella does not have observed an increase of Salmonella 4,12,i- in comparison with the same period of time in 2009. Nevertheless, routine MVLA profiling is not routinely performed in Belgium. Is there a particular phage type associated with this outbreak? We do not have found Salmonella 4,12,i- in food isolates in 2010. Since friday 28th May, the food agency has asked to withdraw all the suspected products from the market see following link:		

# EPIS: example of STI



## Forums

- **STI report:** to post and edit a report (update in real time)
- **STI report forum:** to comment all STI report
- **General forum:** share articles, studies, meeting
- **Network announcements:** to share announcement related to STI network

# EPIS: example of STI



This website is part of the ECDC (European Centre for Disease Prevention and Control) network. Welcome Thomas Mollet

ECDC Extranet | **EPIS STI** Epidemic Intelligence Information System Sexually Transmitted Infections | This Site: EPIS STI

Home | STI Report | STI Report Forum | General Forum | Network Announcements

You are here: Extranet > HOME EPIS Site > EPIS STI

## Welcome to EPIS STI

The Epidemic Intelligence Information System for Sexually Transmitted Infections (EPIS STI) is a surveillance system implemented to facilitate rapid reporting and dissemination of unusual events related to STI transmission across Europe. This system does not replace a formal alert to the Early Warning and Response System (EWRS). EPIS STI is based on the monthly notification of unusual STI transmission events by the nominated contact points for STI surveillance in the EU/EEA countries.

Previously, under the names ESSTI\_ALERT (2003-2008) and STI Alert (2009-2010), reporting was performed via e-mail correspondence, but from August 2010 reporting is done directly in EPIS STI. Submitted reports are instantly accessible to, and can be commented by, all the members of the European Network for STI Surveillance who have been nominated as EPIS STI users. The submitted data will not be used outside of the network.

We hope that the transfer to EPIS will increase the level of interaction and stimulate expert discussions within the network.

In order to get started, please select the following links for our online tutorial versions:

- [online tutorial for end users](#)
- [online tutorial for read only users](#)

### Overview of STI reports and posts

	Today	This Week	This Month	Total
No. of STI reports	0	0	3	205
No. of posts in STI Report Forum	0	0	3	216
No. of posts in General Forum	0	0	0	7
No. of posts in Network Announcements	0	0	0	11

### STI Reports

Month	Infection	Country
December 2010	Congenital syphilis	Latvia
November 2010	Nothing to Report	Lithuania
November 2010	Nothing to Report	Latvia

(More Items...)

### General Forum

Discussion Subject
EPIS STI feature requests
Gonorrhoea Cefixime failures in Norway



# EPIS: example of STI



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ECDC Extranet | **EPIS STI** Epidemic Intelligence Information System Sexually Transmitted Infections | This List: STI Report

Home | **STI Report** | STI Report Forum | General Forum | Network Announcements

You are here: Extranet > HOME EPIS Site > EPIS STI > STI Report

## STI Report

Use this list to view and submit EPIS STI reports.

### You represent ECDC.

Month	Infection	Event classification	Cases observed	Observation start	Observation end	Country	Comments	Last Updated
September 2010 NEW	Nothing to Report					Lithuania	0 posts	07/10/2010 13:32
September 2010 NEW	Nothing to Report					Latvia	0 posts	07/10/2010 12:43
August 2010	Nothing to Report					Malta	0 posts	04/10/2010 10:27
July 2010	Nothing to Report					Malta	0 posts	04/10/2010 10:26
August 2010	Gonorrhoea	Cases greater than expected	NA NA		10/08/2010	Norway	1 posts	24/09/2010 12:12
July 2010	Nothing to Report					Norway	0 posts	24/09/2010 11:38
August 2010	Nothing to Report					United Kingdom	0 posts	24/09/2010 10:29
August 2010	Gonorrhoea	Cases greater than expected	NA NA		NA	France	0 posts	21/09/2010 17:20
August 2010	Nothing to Report					Denmark	0 posts	21/09/2010 11:51
July 2010	Nothing to Report					Denmark	0 posts	21/09/2010 11:51
July 2010	Nothing to Report					Bulgaria	0 posts	20/09/2010 11:01
August 2010	Nothing to Report					Hungary	0 posts	17/09/2010 10:49
August 2010	Nothing to Report					Austria	0 posts	16/09/2010 09:43
July 2010	Nothing to Report					Austria	0 posts	16/09/2010 09:43
July 2010	Nothing to Report					Estonia	0 posts	15/09/2010 12:15

Reports are open (for editing) during 3 months

# EPIS: example of STI



This website is part of the ECDC (European Centre for Disease Prevention and Control) network. Welcome Thomas Mollet

ECDC Extranet | **EPIS STI** Epidemic Intelligence Information System Sexually Transmitted Infections

This List: STI Report Forum

Home | STI Report | **STI Report Forum** | General Forum | Network Announcements

You are here: Extranet > HOME EPIS Site > EPIS STI > STI Report Forum

## STI Report Forum

Use the Report Forum to discuss submitted EPIS STI reports.

Actions	1 - 100	View: Subject
Subject	Replies	Last Updated
Congenital syphilis, Latvia, December 2010	0	06/01/2011 14:35
Nothing to report, Lithuania, November 2010	0	06/01/2011 12:04
Nothing to report, Latvia, November 2010	0	06/01/2011 11:45
Nothing to report, Bulgaria, October 2010	0	21/12/2010 09:21
Nothing to report, Estonia, November 2010	0	20/12/2010 14:04
Syphilis, Denmark, September 2010	0	20/12/2010 09:50
Nothing to report, Denmark, November 2010	0	20/12/2010 09:45
Nothing to report, Finland, November 2010	0	17/12/2010 11:52
Nothing to report, Finland, October 2010	0	17/12/2010 11:51
Nothing to report, Finland, September 2010	0	17/12/2010 11:51
Nothing to report, Finland, August 2010	0	17/12/2010 11:51
Nothing to report, Finland, July 2010	0	17/12/2010 11:51
Nothing to report, Finland, June 2010	0	17/12/2010 11:50
Nothing to report, Finland, May 2010	0	17/12/2010 11:50
Nothing to report, Finland, April 2010	0	17/12/2010 11:49
Nothing to report, Finland, March 2010	0	17/12/2010 11:49
Nothing to report, Finland, January 2010	0	17/12/2010 11:49
Nothing to report, Ireland, November 2010	0	14/12/2010 16:55
Congenital syphilis, Hungary, November 2010	1	10/12/2010 08:54
Nothing to report, Hungary, October 2010	0	10/12/2010 08:30
Nothing to report, Hungary, September 2010	0	10/12/2010 08:29
Gonorrhoea, Greece, October 2010	1	09/12/2010 09:43
Nothing to report, Malta, November 2010	0	06/12/2010 10:29
Gonorrhoea, Greece, July 2010	0	03/12/2010 18:17
Gonorrhoea, Greece, July 2010	0	03/12/2010 17:50



# EPIS : example of ELDSnet



**Forums:** to chat

**Ad Hoc:** to invite people

**Alert the users:** to inform about a cluster

**Assign a task to the users:** To ask the user to take actions

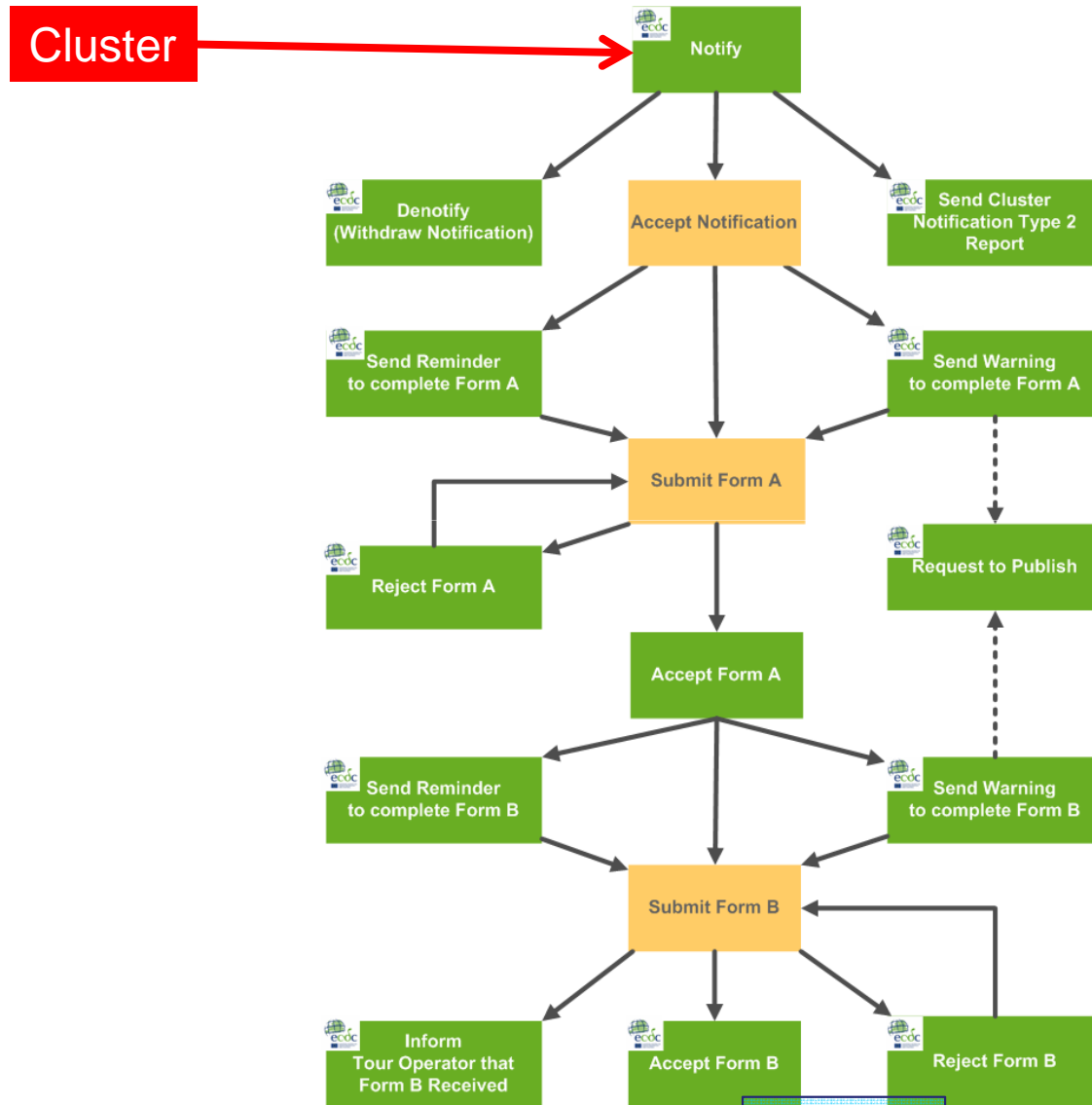
**Assign a time for the task:** To set up deadlines for actions

**Control panel:** to monitor everything in real time (and set up alarms)

**Reminders:** to inform when an action is late or pending

**Advance search function:** to search for cases or cluster

# EPIS : example of ELDSnet



# EPIS: AMR\*



- General announcements
- Protocols / cases definitions
- Case report
- Case discussion
- Reports distribution
- Ad-hoc forum
  
- “National forums” in a next release

\*Antimicrobial Resistance

# EPIS: VPD



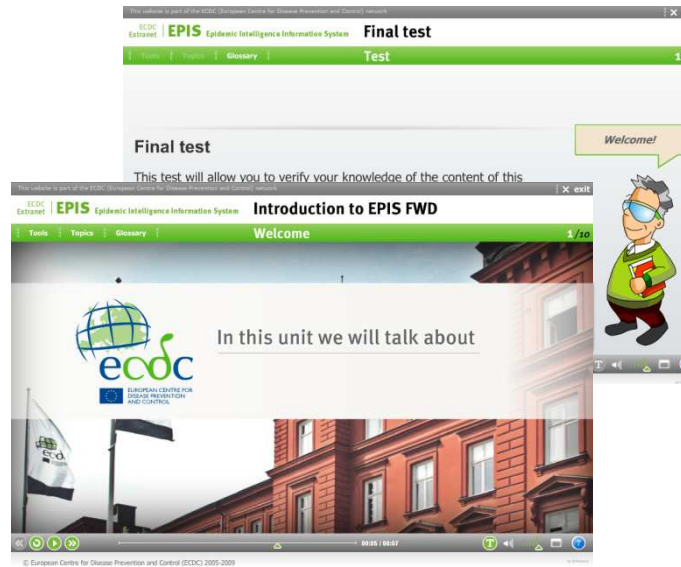
- General announcements
- Protocols / cases definitions
- Rapid cluster detection (GIS)
- Cluster discussion
- Reports distribution
- Ad-hoc forum



# EPIS: training for all EPIS



- E-learning
- Guidelines
- Hotline



# EPIS for travel medicine



What do you need from ECDC ?

- Rapid alert system? Discussion forum?
- Network support? Ad-Hoc ?
- Integration with other EPIS?

What can you bring to the existing networks?

- Reports?
- Advice?
- Alerts?



**THANK YOU**



