



GF-TADs  
GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



eofmd  
European Organisation for  
Animal Health

# WestEurasia Roadmap

## Tools for FMD Managers *The West Eurasia FMD Database*

**Dr. Klaas Dietze**

*EMPRES Animal Health Officer,  
Animal Production and Health Division  
Food and Agriculture Organization of the  
UN*

# The West Eurasia FMD Database

<http://empres-i.fao.org/eisurv/eufmd>

The screenshot displays the web application interface for the West Eurasia FMD Database. At the top, there is a navigation bar with logos for the Food and Agriculture Organization of the United Nations (FAO), EMPRES (Global Animal Disease Notification System), and eofmd (European Commission for the Control of Foot-and-mouth disease). The navigation bar includes tabs for 'MAIN', 'DISEASE TRACKING', and 'CONFIGURATION'. Below the navigation bar, the page is titled 'Dashboard' and shows the date '28-03-2013 - Dietze, Klaas'. The main content area features a satellite map of West Eurasia. On the left side of the map, there is a 'ZOOM' control. On the right side, there is a 'Layers' panel with a dropdown menu set to 'West Eurasia FMD Database'. Below the dropdown, a list of countries is shown: Armenia, Azerbaijan, Georgia, and Turkey. At the bottom of the layers panel, there are three buttons: 'Countries List', 'New Country', and 'Search All'. The map shows the geographical region of West Eurasia, including the Black Sea, Caspian Sea, and surrounding landmasses.

## **Rationale behind the development of this tool**

Recommendations of roadmap meetings, in particular 2<sup>nd</sup> (e.g. 23) and 3<sup>rd</sup> (e.g. 22;23):

- Endemic countries to increase timely information sharing (monthly)
- Facilitation of communication needed
- Development of epidemiological tools to support FMD management at country and regional level

## Purpose of the database (I)

The database is a platform to:

- Capture activities on FMD control (e.g. vaccination or surveillance)
- Collate epidemiological information on outbreaks
- Analyze data
- Visualize data (mapping of events)

## Purpose of the database (II)

The database adds value to data:

- Providing additional data layers for analysis
- Giving the opportunity to analyze data “beyond borders”
- Providing options to integrate further epidemiological tools

## Purpose of the database (III)

The database has mechanisms to:

- Assure countries remain with full ownership of their data
- Protect sensitive data
- Share selected data with database community (other countries)

## Who is the user? How does it work?

The database has a restricted access:

- Hosted within EMPRES-i
- Password protected login
- Focal points for participating countries
- Full “rights” over own data – restricted access to data of other partners within the database



GF-TADs

GLOBAL FACILITY FOR TECHNICAL ASSISTANCE

OECD

easfmd

# WestEurasia Roadmap

## First steps...



FAO Login

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
*helping to build a world without hunger*

العربية

中文

English

Français

Русский

Español

### Security message

**This is a Public or Shared computer**

You must select this option if other people have access to this computer.

**This is a Private computer**

Select this option if you are the only person who uses this computer. Once authenticated by FAO Login, you will not need to enter your password again to access FAO Single Sign-On applications.

Empres-i

Show all domains

Username

Password

Login

[Forgot your password?](#)

# The “home”

The screenshot displays the web application interface for the West Eurasia FMD Database. The top navigation bar includes the logos for the Food and Agriculture Organization of the United Nations (FAO), EMPRES (Global Animal Disease Notification System), and eofmd (European Commission for the Control of Foot-and-mouth disease). The navigation menu contains 'MAIN', 'DISEASE TRACKING', and 'CONFIGURATION'. The page title is 'Dashboard' and the date is '28-03-2013 - Dietze, Klaas'. The main content area features a satellite map of the West Eurasian region. On the left side of the map, there is a 'ZOOM' control with a vertical slider. On the right side, a 'Layers' panel is open, showing the 'West Eurasia FMD Database' layer. This layer contains a list of countries: Armenia, Azerbaijan, Georgia, and Turkey. Below the list are three buttons: 'Countries List', 'New Country', and 'Search All'. A green 'FMD Alert' icon is visible on the map.

Search

<p><b>Event</b></p> <p>Event Types <input type="text"/></p> <p>ID / IDs <input type="text"/></p> <p>Entry Officer <input type="text"/></p> <p>Last Modifier <input type="text"/></p> <p>Deleted <input type="radio"/> All <input type="radio"/> Yes <input checked="" type="radio"/> No</p>	<p><b>Time</b></p> <p>Obs Date from <input type="text"/> To <input type="text"/></p> <p>Rep Date from <input type="text"/> To <input type="text"/></p>	<p><b>Platform</b></p> <p>ID / IDs <input type="text"/></p> <p>Description <input type="text"/></p> <p>Suffix <input type="text"/></p>
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<p><b>Vaccination</b></p> <p>Type/Name of vaccine <input type="text"/></p> <p>Vaccination Date from <input type="text"/> To <input type="text"/></p> <p>Vaccination Status <input checked="" type="radio"/> All <input type="radio"/> Yes <input type="radio"/> No</p>	<p><b>Laboratory Information</b></p> <p>Samples <input type="text"/></p> <p>Test <input type="text"/></p> <p>Prevalence <input type="text"/></p> <p>Result Type <input type="text"/></p>	<p><b>Display and Ordering</b></p> <p>Results for page <input type="text" value="20"/></p> <p>Sort by <input type="text" value="Id Event"/></p> <p><input checked="" type="checkbox"/> Descending</p>
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<p><b>Geographical Location</b></p> <p><input type="text"/></p> <ul style="list-style-type: none"> <li>▼ <input type="checkbox"/> Asia             <ul style="list-style-type: none"> <li>▶ <input type="checkbox"/> Armenia</li> <li>▶ <input type="checkbox"/> Azerbaijan</li> <li>▶ <input type="checkbox"/> Georgia</li> <li>▶ <input type="checkbox"/> Turkey</li> </ul> </li> </ul>	<p><b>Species</b></p> <p><input type="text"/></p> <ul style="list-style-type: none"> <li>▶ <input type="checkbox"/> Domestic</li> <li>▶ <input type="checkbox"/> Wild</li> <li>▶ <input type="checkbox"/> Captive</li> </ul>	<p><b>Disease</b></p> <p><input type="text"/></p> <ul style="list-style-type: none"> <li>▼ <input type="checkbox"/> Foot and mouth disease             <ul style="list-style-type: none"> <li><input type="checkbox"/> C</li> <li><input type="checkbox"/> A</li> <li><input type="checkbox"/> O</li> <li><input type="checkbox"/> Asia 1</li> <li><input type="checkbox"/> SAT1</li> </ul> </li> </ul>
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[Back to Countries' details](#)

Result

Search

Result

Show General Info
  Show Species/Population
  Show Disease
  Show Vaccination
  Show Outbreak

	ID	AIRisk	Cases	Deaths	Destroyed	Loss	Slaughtere	Observatio	Reporting Date
	28535	131	15	0	0	0	0	2012-04-26	2012-04-30
	28534	1407	8	0	0	0	0	2012-05-03	2012-05-18
	28533	1200	6	0	0	0	0	2012-05-08	2012-05-14
	28532	89	9	0	0	0	0	2012-04-23	2012-05-08
	28531	857	58	0	0	0	0	2012-05-01	2012-05-18
	28530	265	2	0	0	0	0	2012-04-26	2012-04-26
	28529	211	6	0	0	0	0	2012-04-26	2012-04-30
	28528	1572	46	0	0	0	0	2012-04-26	2012-05-09
	28527	2100	12	0	0	0	0	2012-04-16	2012-04-20
	28526	1847	1	0	0	0	0	2012-05-08	2012-05-14
	28525	356	10	0	0	0	0	2012-05-08	2012-05-14
	28524	587	5	0	0	0	0	2012-04-26	2012-05-24
	28523	1000	3	0	0	0	0	2012-04-	2012-04-30

[Back to the Search](#)

[New E...](#)



1

[ 1 - 20 ]



[Export CSV](#)

[Export XLS](#)

[Export to Map](#)

**General Info**



<b>Region</b>	Asia	<b>Country</b>	Armenia
<b>Admin1</b>	Lori	<b>Admin2</b>	Spitak
<b>Latitude</b>	40.8403472141677	<b>Longitude</b>	44.1717970782912
<b>Locality Name</b>	Spitak		

**Vaccination**

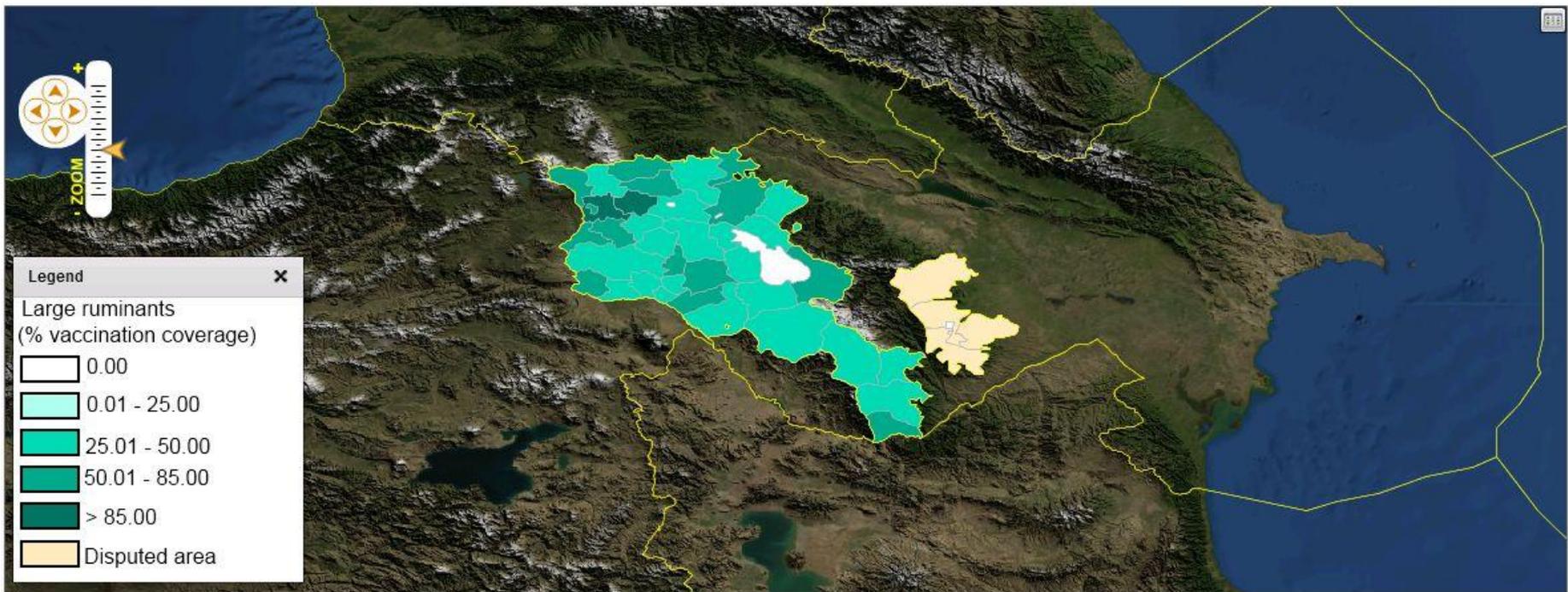
Species	Population	Disease	Serotype	Vaccine	Vaccination Date	Coverage	Vaccinated	Revaccinated	Producer
cattle	11378	Foot and mouth disease	Not Specified		31/12/2011	84.59	9625		
swine	569								
sheep	7142								

General Info Analysis

### Statistics of the past 12 months

Vaccination Coverage Outbreaks by Serotype Outbreaks Map Outbreaks by Province

Large Ruminant Vaccination Small Ruminant Vaccination



[Countries' List](#)

[Edit](#)

[Delete](#)

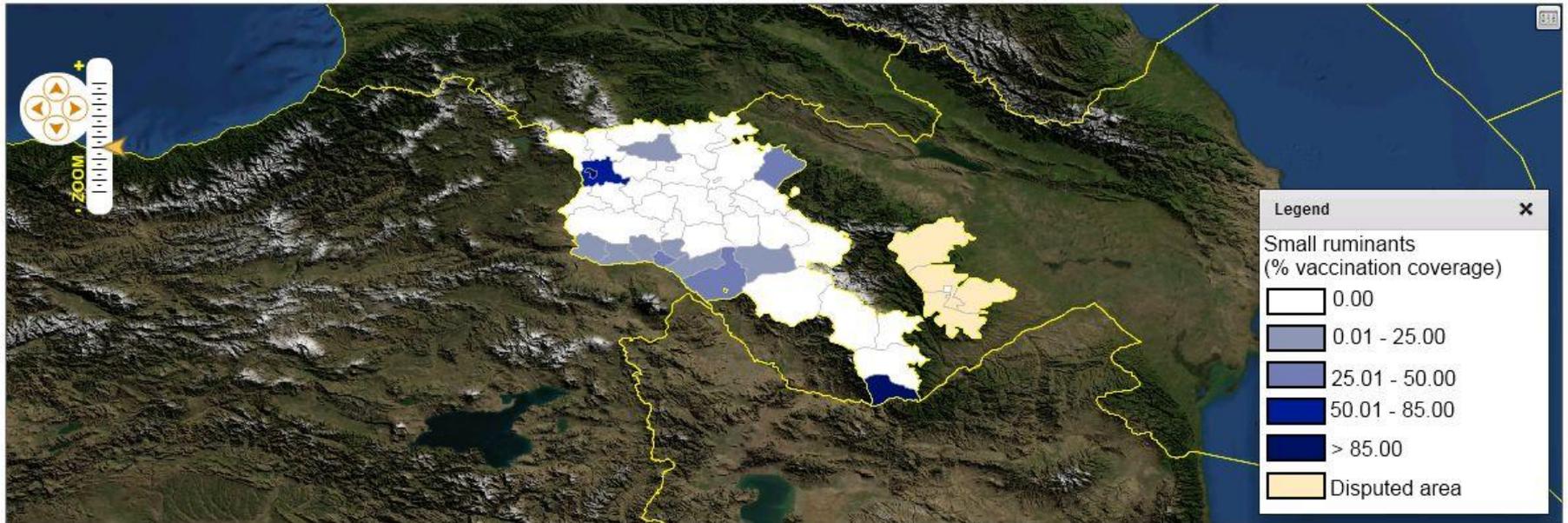
[Search Events](#)

General Info Analysis

## Statistics of the past 12 months

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Countries' List

Edit

Delete

Search Events

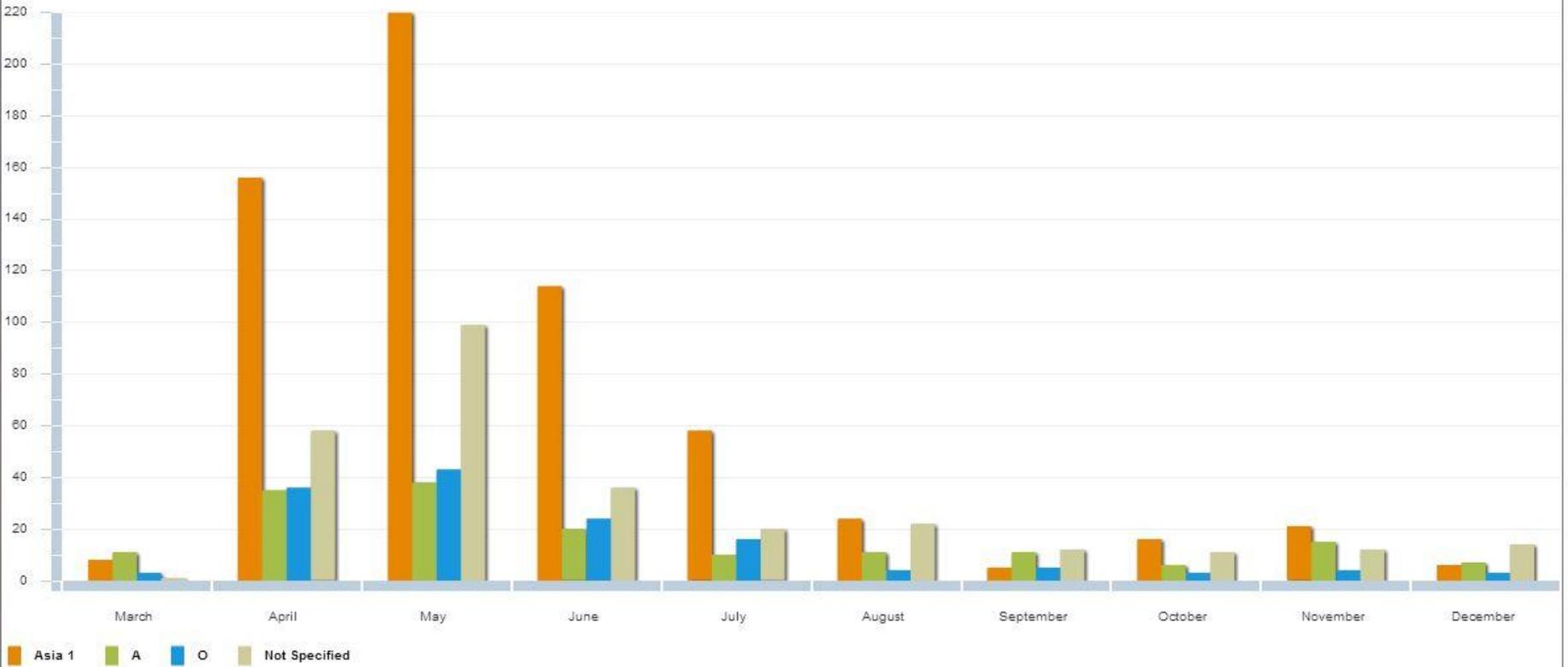
## Mapping of outbreaks

- Analysis of outbreaks over time in a geographic context
- Direct access to detailed information through “active markers”
- Data layers to further put outbreaks into a context (e.g. densities of susceptible species)

General Info Analysis

Statistics of the past 12 months

Vaccination Coverage Outbreaks by Serotype Outbreaks Map Outbreaks by Province



[Countries' List](#)

[Edit](#)

[Delete](#)

[Search Events](#)



**EMPRES**  
Global Animal Disease Information System

## MAP COMPONENT

[Back to Search](#)

[Zoom / Selection](#)

[Layers](#)

[Download image](#)



Legend

- A
- Asia 1
- O
- Not Specified



Legend

- A
- Asia 1
- O
- Not Specified







Number per km sq

< 10	200 - 500
10 - 50	500 - 1000
50 - 100	1000 - 2500
100 - 200	> 2500
	unsuitable

Layers

- Global pig density (2005)
- Global pig density (2005)
- Global cattle density (2005)
- Global small rum.dens. (2005)
- Global buffalo dens. (2005)
- Global goat density (2005)
- Global sheep density (2005)

Legend

- A
- Asia 1
- O
- Not Specified

Zoom / Selection

Map Events

selection mode:

- Select Area
- Select Event(s)



## **Restricted access to data of other countries**

To be defined by the user community.

Currently defined as follows:

- Full access to all data older than 12 months
- Limited access to more recent data covering the past 12 months.
- Information will be presented compiled in maps and charts but no access to “raw data” is granted.

## So what can be seen?

- Maps of vaccination coverage (small and large ruminants)
- Maps of outbreaks (differentiating serotypes involved)
- Charts of outbreaks over time (differentiating serotypes involved)

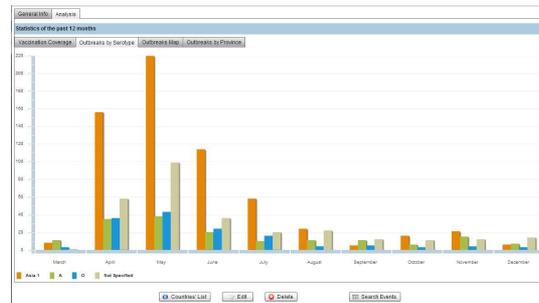
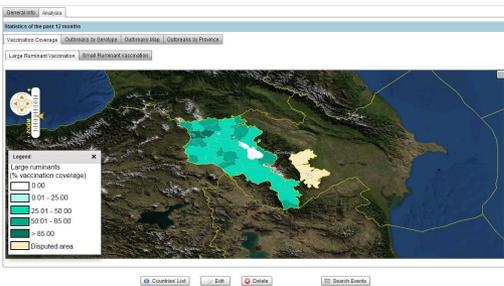
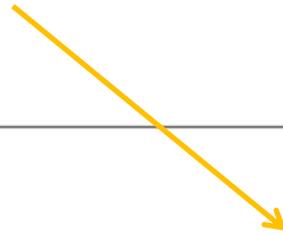
## So what can be seen?

[General Info](#) | [Analysis](#)

**Statistics of the past 12 months**

[Vaccination Coverage](#) | [Outbreaks by Serotype](#) | [Outbreaks Map](#) | [Outbreaks by Province](#)

[Large Ruminant Vaccination](#) | [Small Ruminant Vaccination](#)



## Future development

- More countries to join
  - Memorandum of Understanding on data sharing
- More analytical features to be incorporated
- Consultation with the users to make the tool most useful for them
- Use tool to integrate epi-network with lab-network
- Move towards an early warning system

**Thank you!**