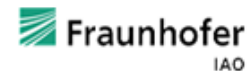




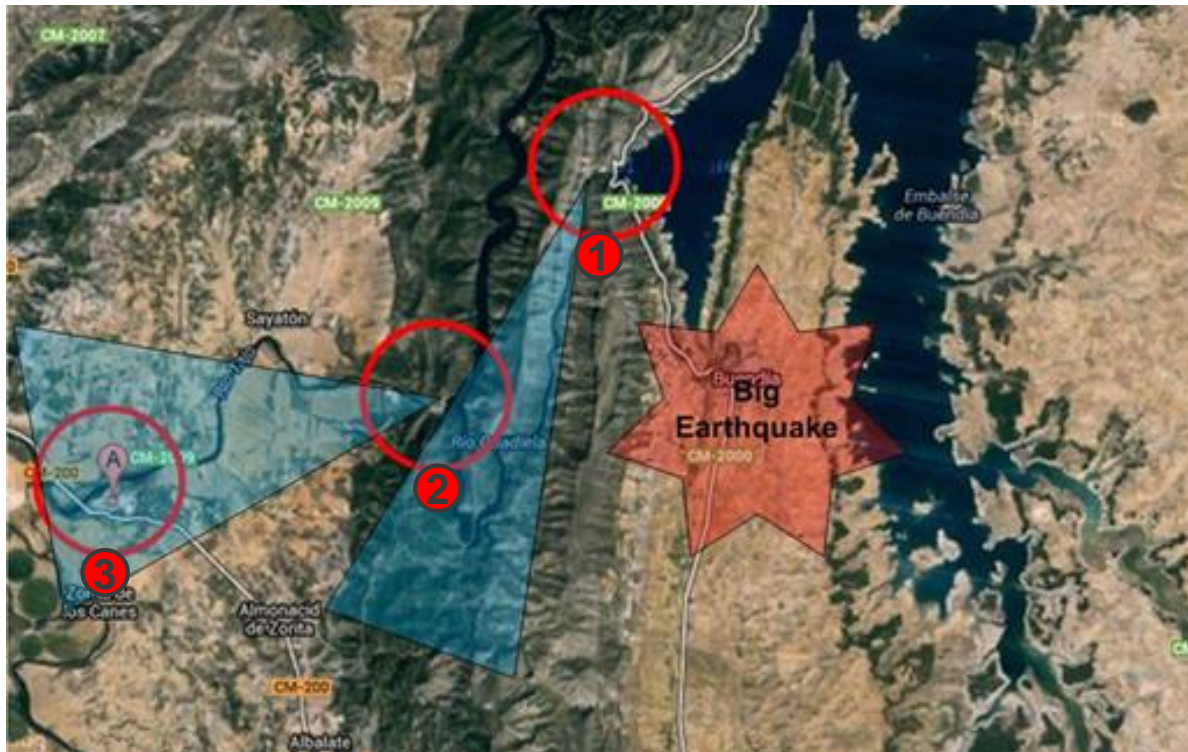
A DEcision Support Tool for Reconstruction and recovery and
for IntEroperability of international Relief units in case Of
complex crises situations, including CBRN contamination Risks

DESTRIERO Platform Screens



T0

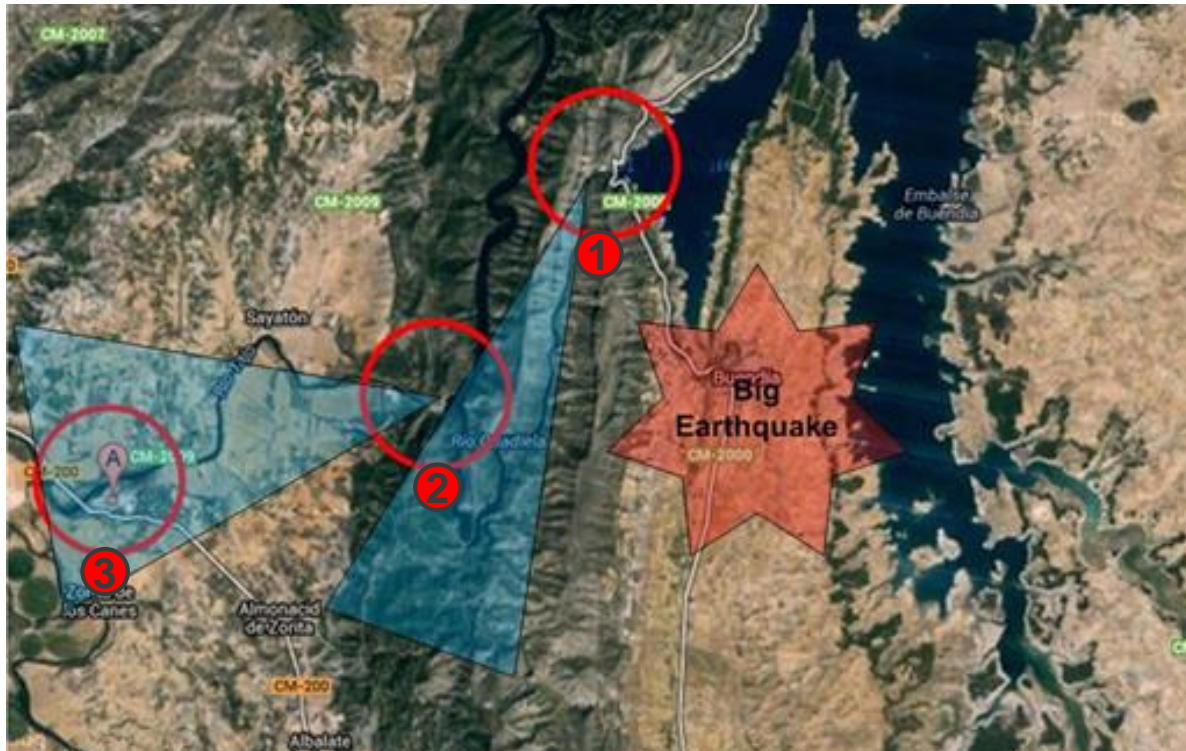
- big earthquake with epicentre few km in the south of Entrepeñas dam (1)
- severe damages in the surrounding cities and small towns
- collapse of the Entrepeñas dam (1)



1=Entrepneñas dam (one of the biggest dams of Europe)
2=Bolarque dam
3=José Cabrera nuclear plant

Scenario description

Border of four Spanish regions (Madrid, Toledo, Cuenca and Guadalajara)



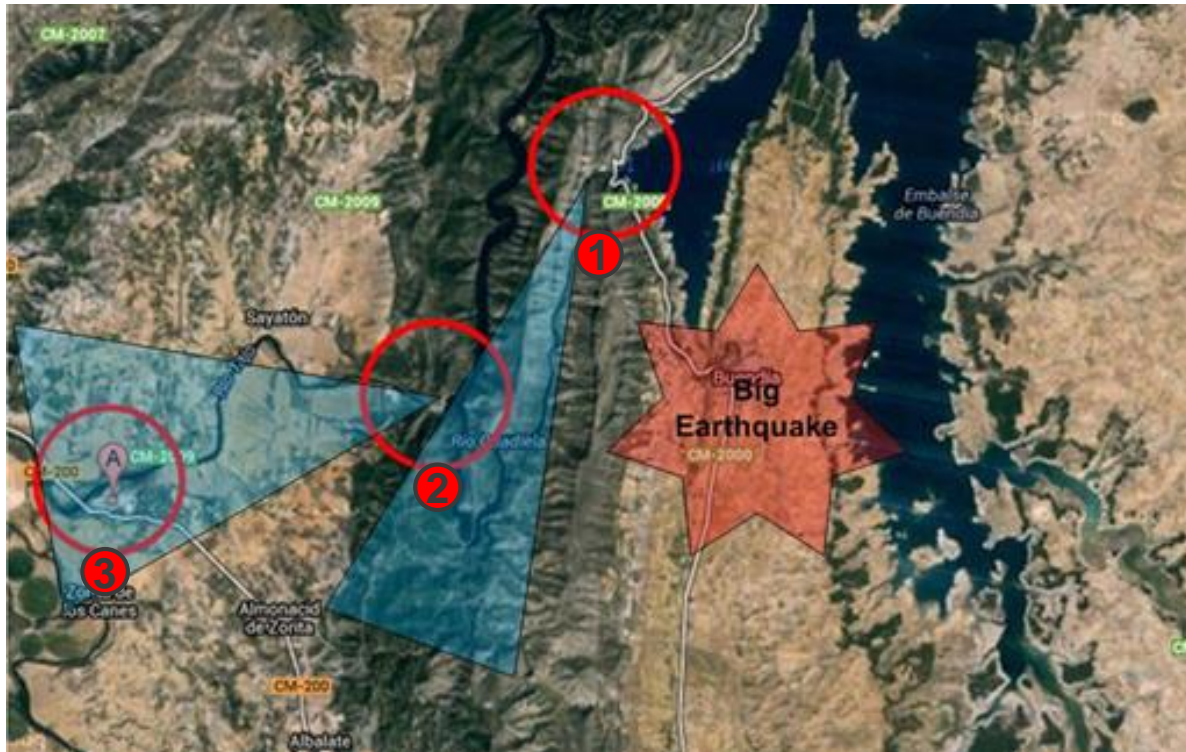
- 1=Entrepeñas dam (one of the biggest dams of Europe)
- 2=Bolarque dam
- 3=José Cabrera nuclear plant

T0+30 minutes

- large flood arriving from the Entrepeñas dam (1) causes a collapse of the Bolarque dam (2)
- big flood goes through the Tajo River

Scenario description

Border of four Spanish regions (Madrid, Toledo, Cuenca and Guadalajara)



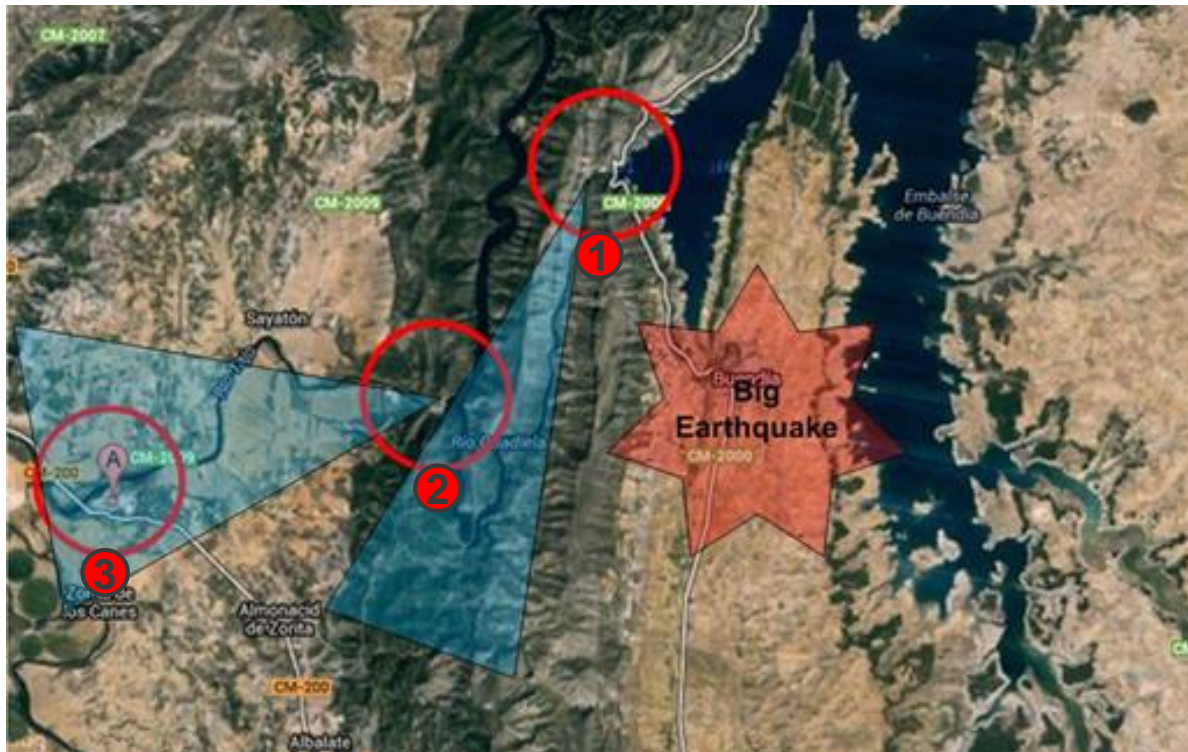
- 1=Entrepeñas dam (one of the biggest dams of Europe)
- 2=Bolarque dam
- 3=José Cabrera nuclear plant

T0+50 minutes

- big flood reaches the José Cabrera nuclear plant (3) and brings large devastation in the area
- this causes a black out of the cooling system of the plant and one of the reactors' infrastructures

Scenario description

Border of four Spanish regions (Madrid, Toledo, Cuenca and Guadalajara)



- 1=Entrepeñas dam (one of the biggest dams of Europe)
- 2=Bolarque dam
- 3=José Cabrera nuclear plant

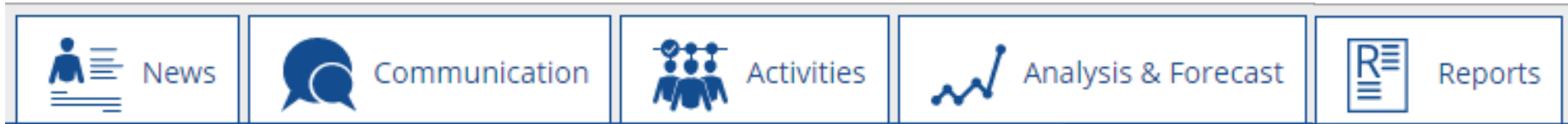
T0+90 minutes

- radioactive leakage is produced due to the composite damages provoked by the earthquake, the flood and the lack of cooling system and power in the nuclear plant

- The crisis is managed during the following 72 hours with the help of the DESTRIERO platform
- involved organizations/roles
 - **Spanish Ministry of Interior:** Spanish Ministry of Interior
 - **Spanish National Police:** Police Officer
 - **Spanish Civil Guard:** Decision Maker
 - **Spanish Army :** Chief of the Army Staff
 - **Italian Civil Protection:** Chief of the Resources Management in emergency states section
 - **Sayatón Administrative:** Major of Sayatón
 - **Reconstruction Company:** Chief of the Infrastructure Reconstruction Section

Steps with the DESTRIERO platform:

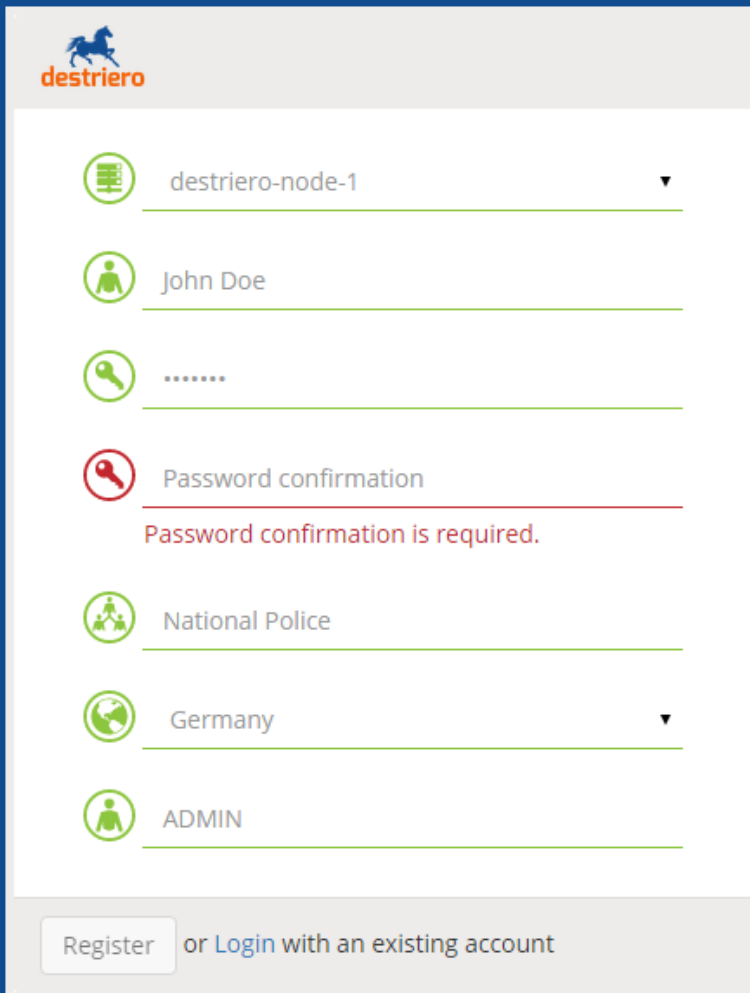
- **T0+72 hours:** Data gathering and platform initial setup
- **T0+96 hours:** Geo-referenced crowdsourcing
- **T0+100 hours:** Setup of an activity plan for damage assessment
- **T0+101 hours:** Setup of a plan for CBRN assessment
- **T0+102 hours:** Coordination conference calls
- **T0+110 hours:** On field assessment
- **T0+111 hours:** Reports collection
- **T0+112 hours:** Display of assessment maps
- **T0+114 hours:** Decision making on reconstruction projects
- **T0+At least 1 month:** Generation of the DaLA report



- News
- Communication
 - Contacts
 - Groups
 - Conferences
 - Messaging
- Activities
 - Activity plans
 - My Activities
- Analysis + Forecast
 - Map
 - Weather
 - Decision Support
 - CBRN
 - Geo-crowd sourcing (CGS)
- Report
 - Reports Details
 - Area Report Submission
 - External Report Retrieval
 - DaLA Reporting



- Notifications
- Settings
- Profile
- Log in / log out

A screenshot of the Destriero registration form. The form is white with a grey header containing the Destriero logo. It has several input fields with green icons: a server icon for "destriero-node-1", a person icon for "John Doe", a key icon for a password field (masked with dots), a red key icon for "Password confirmation" (with a red error message "Password confirmation is required."), a group of people icon for "National Police", a globe icon for "Germany", and a person icon for "ADMIN". At the bottom, there is a "Register" button and a link to "Login with an existing account".

destriero

destriero-node-1

John Doe

.....

Password confirmation

Password confirmation is required.

National Police

Germany

ADMIN


Register or [Login](#) with an existing account


User intents to


- register a new account to the DESTRIERO platform


Time frame


- mainly T0+72 (hours)








 News


 Communication

 Activities

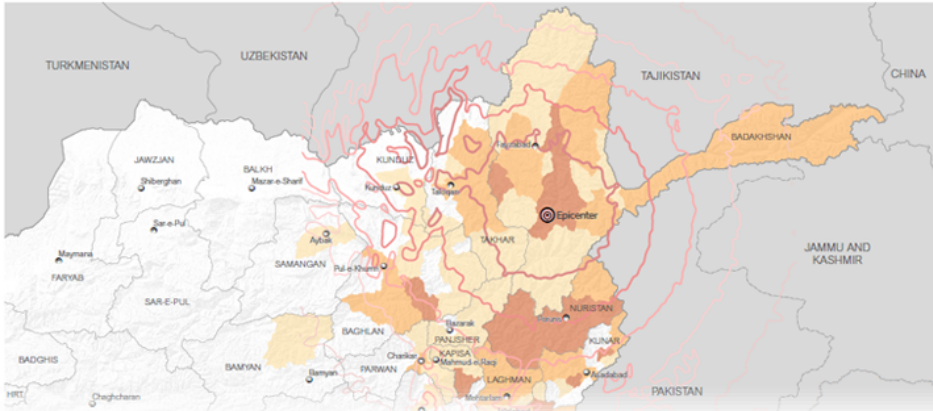
 Analysis & Forecast

 Reports



Afghanistan
Ongoing



Statistics

| | |
|---|---------------|
| Total population (2013) | 30,552,000 |
| Gross national income per capita (PPP international \$, 2013) | 2 |
| Life expectancy at birth m/f (years, 2013) | 61/62 |
| Probability of dying under five (per 1 000 live births, 0) | not available |
| Probability of dying between 15 and 60 years m/f (per 1 000 population, 2013) | 252/232 |
| Total expenditure on health per capita (Intl \$, 2013) | 161 |
| Total expenditure on health as % of GDP (2013) | 8.1 |

Latest data available from the [Global Health Observatory](#)


Key Content


User intents to


- get news, statistics, CODs, etc. for the affected area of the crisis
- Possible sources are UNOCHA...


Time frames


- T0 + 72 (hours) Data gathering



News



Communication



Activities



Analysis & Forecast






Reports


7









Contacts

Groups

Conferences

Messaging

New Contact

| Name | Profession | Number |
|------------------|------------|-------------|
| Arkadiusz Bogacz | IT | 666555666 |
| John Doe | Police | 666555666 |
| Maria Jose | Ambulance | 11346798523 |
| Helga Boche | Ambulance | 1134645798 |

New Contact

Information about new contact



Important person information

*mandatory field

Gender:

male

Contact role*:

contact role

First name*:

first name

Second name:

second name

User intents to

- view contact information
- create new contacts
- update contact information

Time frames

- All



Groups

People, groups, membership

New Group

Ambulance

IT staff

Police

Ambulance

Information

Description

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi tempor tincidunt arcu in volutpat. Sed non tellus lectus. Praesent lobortis blandit elementum. Etiam eu vehicula leo, at tempor neque. Quisque odio magna, porttitor quis pharetra vel, fermentum et elit. Suspendisse blandit rutrum luctus. Morbi fringilla magna a laoreet placerat. Fusce sed tortor sagittis odio ornare sollicitudin eu et enim. Aenean et nunc at sapien tincidunt placerat. Nullam ultrices eros id metus condimentum, sed bibendum nisi semper. In dictum ullamcorper mi, sed scelerisque neque pharetra a. Donec ante urna, aliquam at est vitae, vulputate gravida ex. Mauris in leo scelerisque lectus rutrum varius vitae hendrerit dolor.

Add a new member to this group

| Name | Profession | Number |
|------------------|------------|-------------|
| Arkadiusz Bogacz | IT | 666555666 |
| John Doe | Police | 666555666 |
| Maria Jose | Ambulance | 11346798523 |
| Helga Boche | Ambulance | 1134645798 |

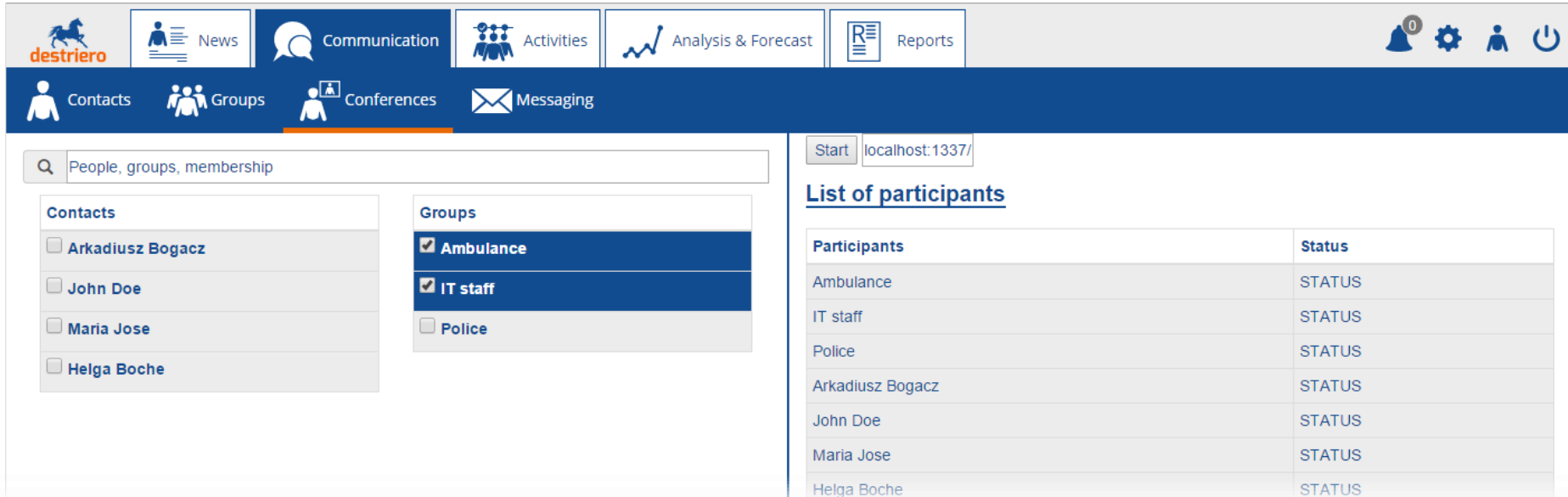
Apply Cancel

User intents to

- view group information
- create new user groups
- update group information

Time frames

- All



The screenshot shows the Destriero HMI interface. The top navigation bar includes icons for News, Communication, Activities, Analysis & Forecast, and Reports. Below this, a secondary bar shows Contacts, Groups, Conferences (highlighted), and Messaging. The main content area is divided into two columns. The left column has a search bar labeled 'People, groups, membership' and two lists: 'Contacts' (Arkadiusz Bogacz, John Doe, Maria Jose, Helga Boche) and 'Groups' (Ambulance, IT staff, Police). The right column shows a 'Start' button with 'localhost:1337/' and a 'List of participants' section. This section contains a table with participants and their status.






| Participants | Status |
|------------------|--------|
| Ambulance | STATUS |
| IT staff | STATUS |
| Police | STATUS |
| Arkadiusz Bogacz | STATUS |
| John Doe | STATUS |
| Maria Jose | STATUS |
| Helga Boche | STATUS |

User intents to

- Set up a conference call with
 - single contact(s)
 - user group(s)

Time frames

- T0+102 hours: Coordination conference calls

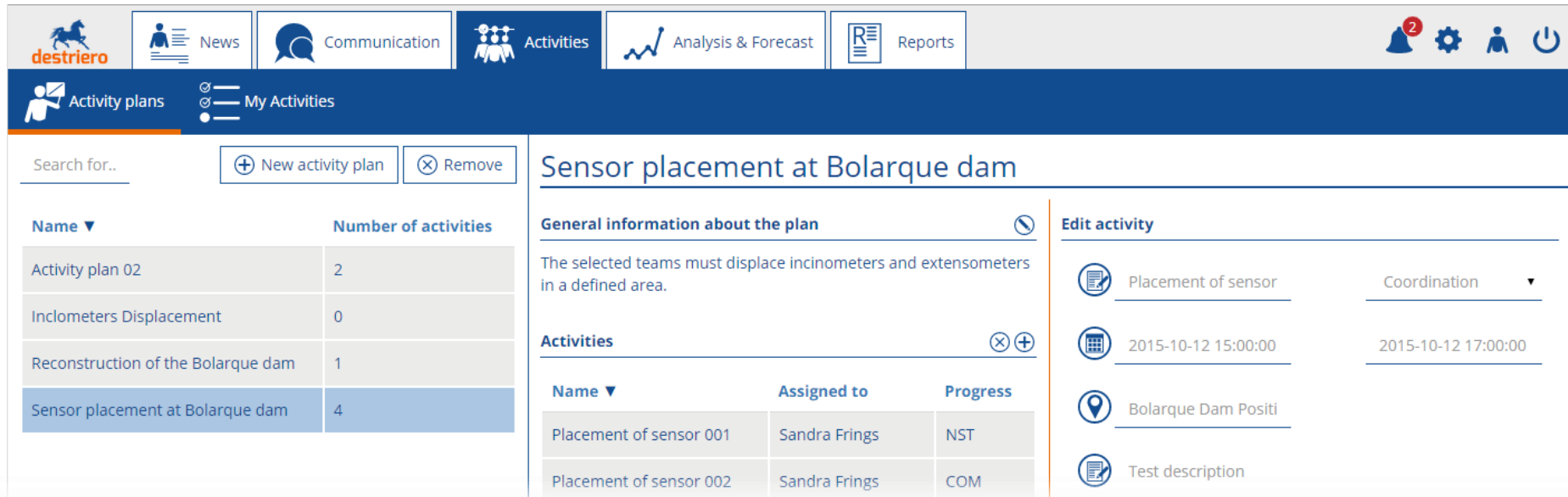
| From | Name | Message | Date | Opened | Actions |
|---------------|-----------------|--------------|------------|--------|---|
| +393293103238 | Mario Rossi | Test Message | 14.10.2013 | |  |
| +39329310243 | Jack Bianchi | Test Message | 19.10.2013 | |  |
| +39329310248 | Eduardo Miguel | Test Message | 24.10.2013 | |  |
| +39329310253 | Luigi Brambilla | Test Message | 29.10.2013 | |  |
| +39329310234 | Romeo Romero | Test Message | 10.10.2013 | |  |

User intents to

- view messages
- create new messages
- send messages to selected contacts or groups of the DESTRIERO platform

Time frames

- All



The screenshot shows the Destriero HMI interface. The top navigation bar includes icons for News, Communication, Activities, Analysis & Forecast, and Reports. The left sidebar shows 'Activity plans' and 'My Activities'. The main content area is titled 'Sensor placement at Bolarque dam'. It contains a table of activity plans, a section for general information about the plan, and a table of activities.

| Name ▼ | Number of activities |
|------------------------------------|----------------------|
| Activity plan 02 | 2 |
| Inclometers Displacement | 0 |
| Reconstruction of the Bolarque dam | 1 |
| Sensor placement at Bolarque dam | 4 |

General information about the plan

The selected teams must displace inclinometers and extensometers in a defined area.

Activities

| Name ▼ | Assigned to | Progress |
|-------------------------|---------------|----------|
| Placement of sensor 001 | Sandra Frings | NST |
| Placement of sensor 002 | Sandra Frings | COM |

Edit activity

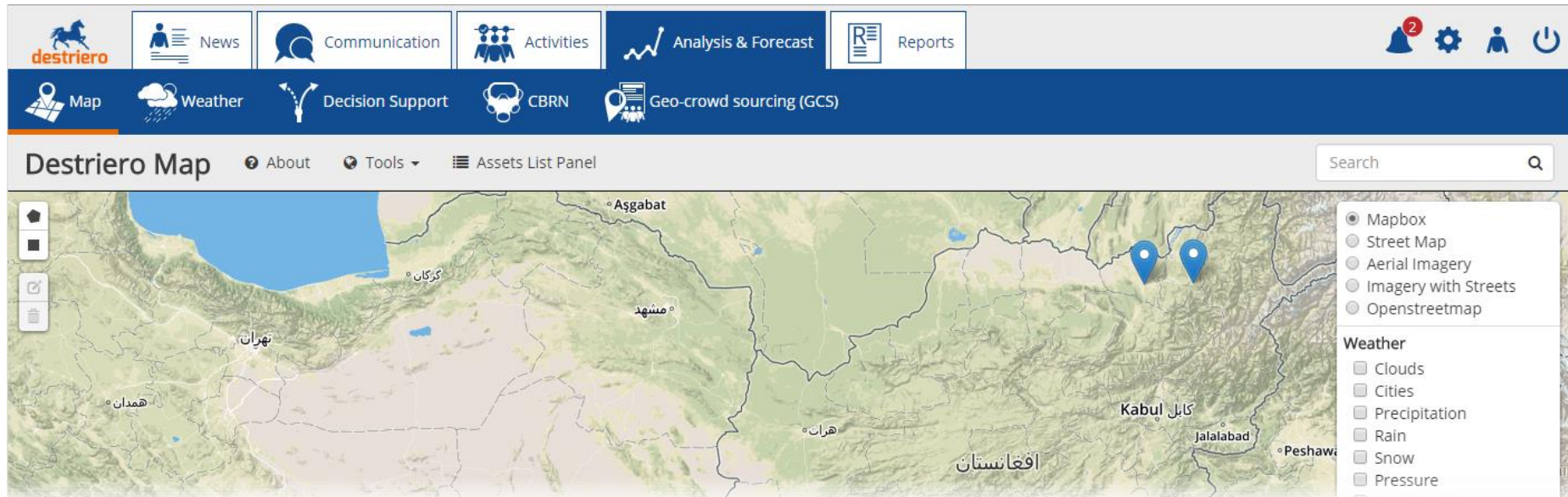
- Placement of sensor
- 2015-10-12 15:00:00
- Bolarque Dam Positi
- Test description

User intents to

- create an new activity plan
- create activity steps
- assign location and resources (e.g. responsible group or person)

Time frames

- T0 + 72 (hours) Plan for Inclometers and Extensometer Displacement
- T0 + 100 (hours) Plan for damage assessment
- T0 + 101 (hours) Plan for CBRN assessment
- T0 + 110 (hours) Update Activity status

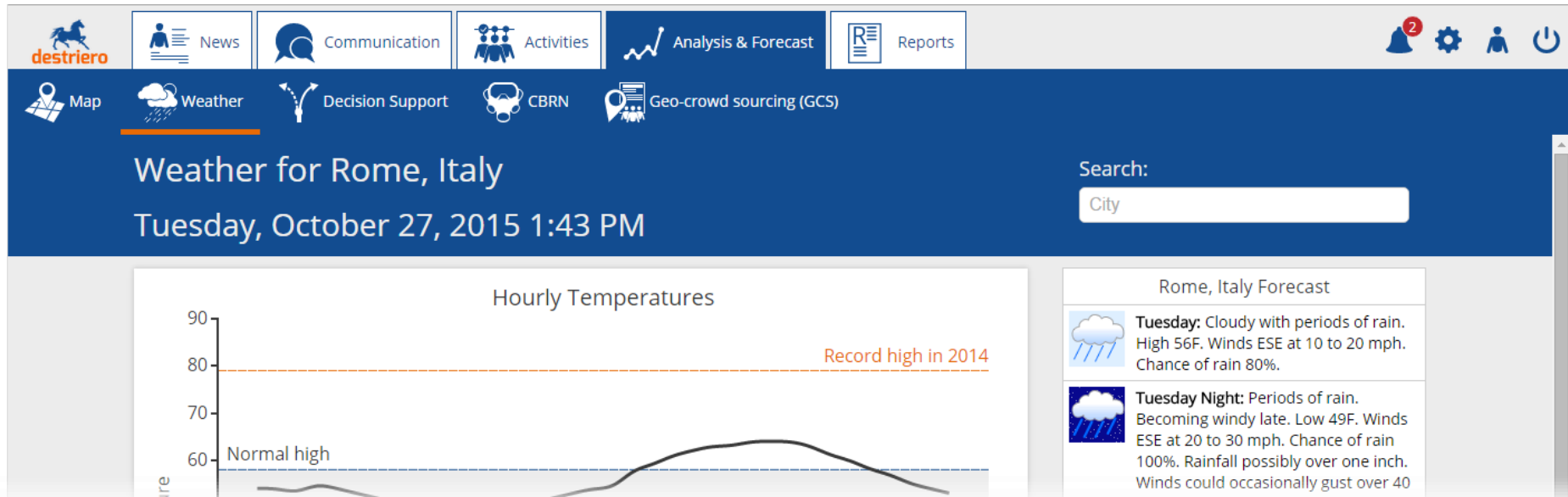


User intents to

- select map type
- view different weather aspects
- select source(s)

Time frames

- All

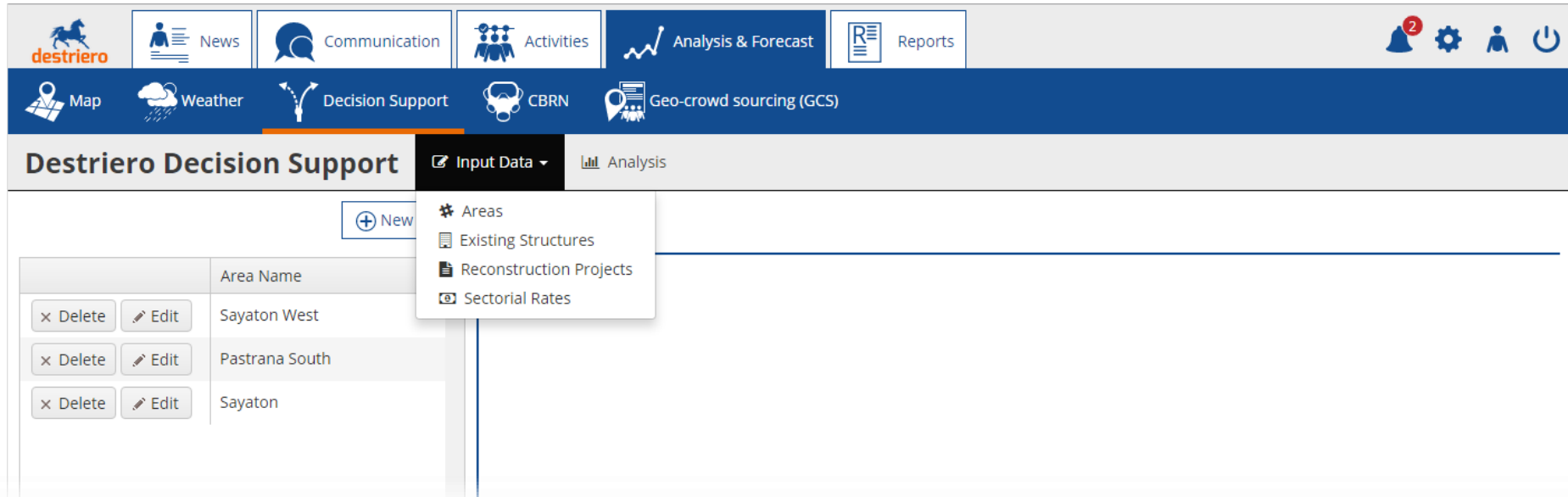








User intends to

- view a textual description of the weather
- display details for a selected town

Time frames

- All



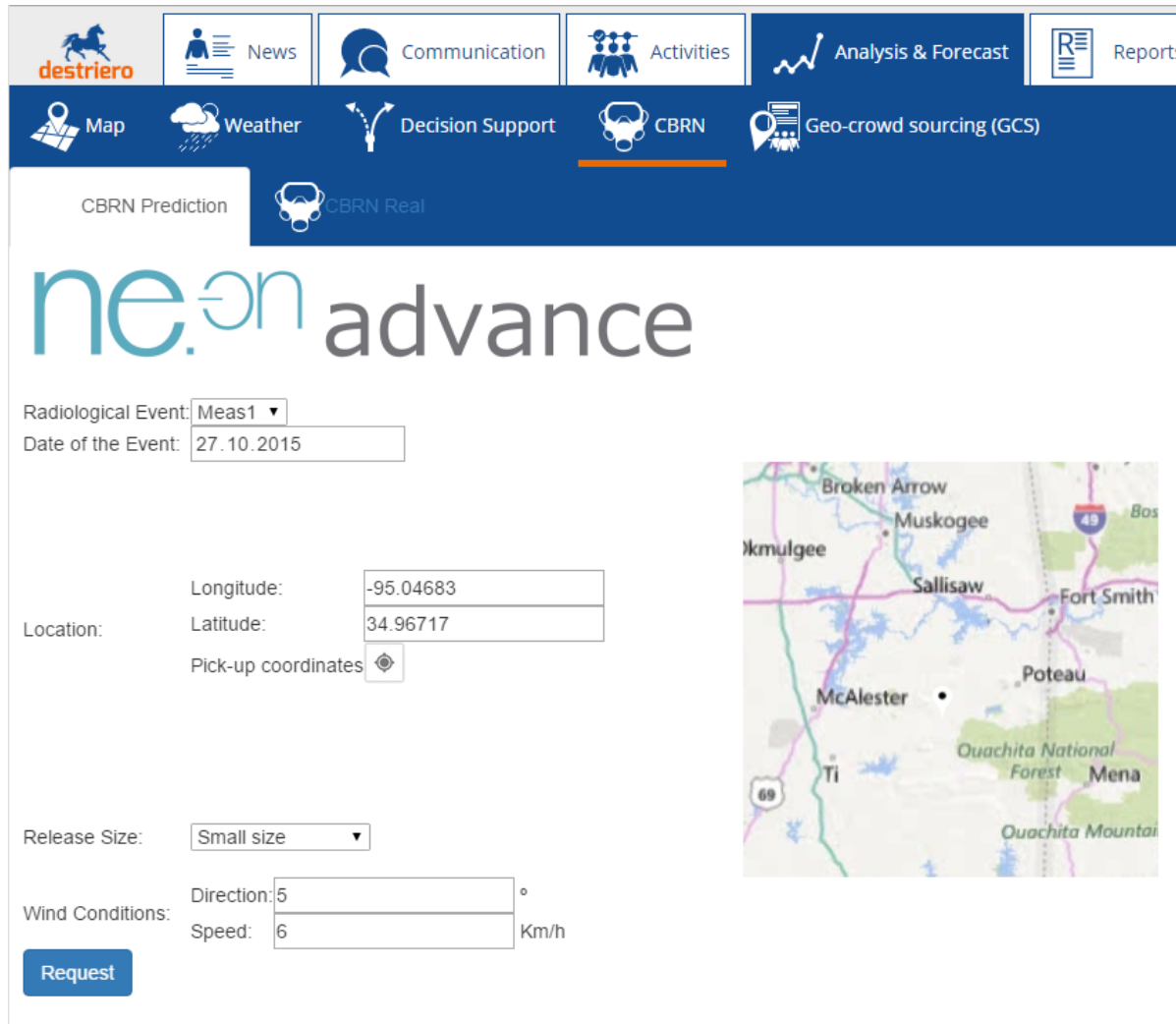
| Area Name | |
|---|----------------|
|  Delete | Sayaton West |
|  Edit | |
|  Delete | Pastrana South |
|  Edit | |
|  Delete | Sayaton |
|  Edit | |

User intends to

- view areas which require reconstruction work to be done
- view statistical data
- view sectorial rates

Time frames

- T0+114 hours: Decision making on reconstruction projects



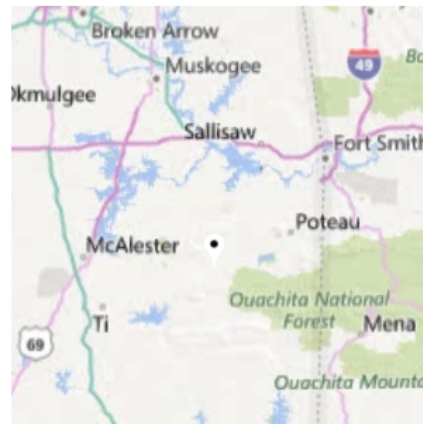
The interface features a top navigation bar with icons for News, Communication, Activities, Analysis & Forecast, and Reports. Below this is a secondary bar with icons for Map, Weather, Decision Support, CBRN (highlighted), and Geo-crowd sourcing (GCS). The main content area includes a 'ne.on advance' logo, a 'Radiological Event' dropdown set to 'Meas1', a 'Date of the Event' field with '27.10.2015', and a 'Location' section with 'Longitude: -95.04683', 'Latitude: 34.96717', and a 'Pick-up coordinates' button. The 'Release Size' is set to 'Small size'. 'Wind Conditions' are specified as 'Direction: 5' and 'Speed: 6 Km/h'. A blue 'Request' button is at the bottom left.

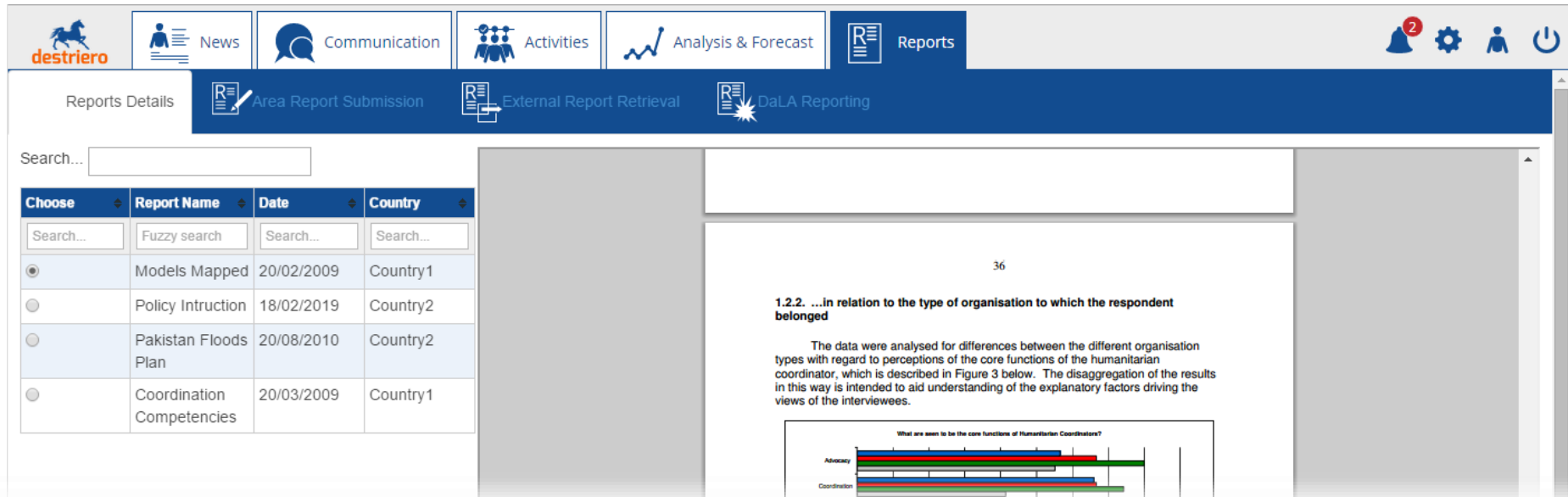
User intends to

- view information on radiological events as predictions or facts according to the information already stored within the DESTRIERO platform

Time frames

- All





The screenshot shows the Destriero HMI interface. The top navigation bar includes links for News, Communication, Activities, Analysis & Forecast, and Reports. The Reports section is active, showing a sub-menu with Reports Details, Area Report Submission, External Report Retrieval, and DaLA Reporting. The Reports Details page features a search bar and a table of reports.

| Choose | Report Name | Date | Country |
|-----------------------|---------------------------|------------|----------|
| <input type="radio"/> | Models Mapped | 20/02/2009 | Country1 |
| <input type="radio"/> | Policy Intruction | 18/02/2019 | Country2 |
| <input type="radio"/> | Pakistan Floods Plan | 20/08/2010 | Country2 |
| <input type="radio"/> | Coordination Competencies | 20/03/2009 | Country1 |

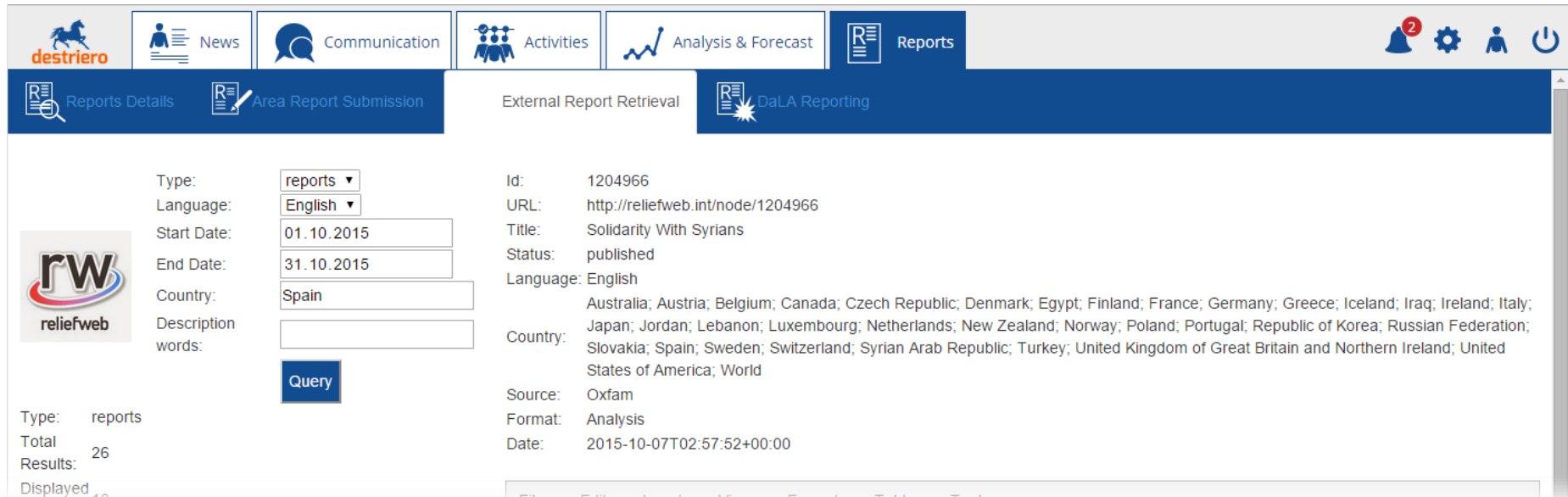
The right panel displays the details of the selected report, including a title, a paragraph of text, and a horizontal bar chart titled "What are seen to be the core functions of Humanitarian Coordinators?".

User intends to

- view report details from a list

Time frames

- T0+111 hours: Reports collection



The screenshot shows the Destriero HMI interface. The top navigation bar includes icons for News, Communication, Activities, Analysis & Forecast, and Reports. The Reports section is active, showing a sub-menu with Reports Details, Area Report Submission, External Report Retrieval, and DaLA Reporting. The External Report Retrieval page displays a search form on the left and a list of results on the right.

Search Form:

- Type: reports
- Language: English
- Start Date: 01.10.2015
- End Date: 31.10.2015
- Country: Spain
- Description words:
- Query button

Results:

- Type: reports
- Total Results: 26
- Displayed: 10

Report Details:

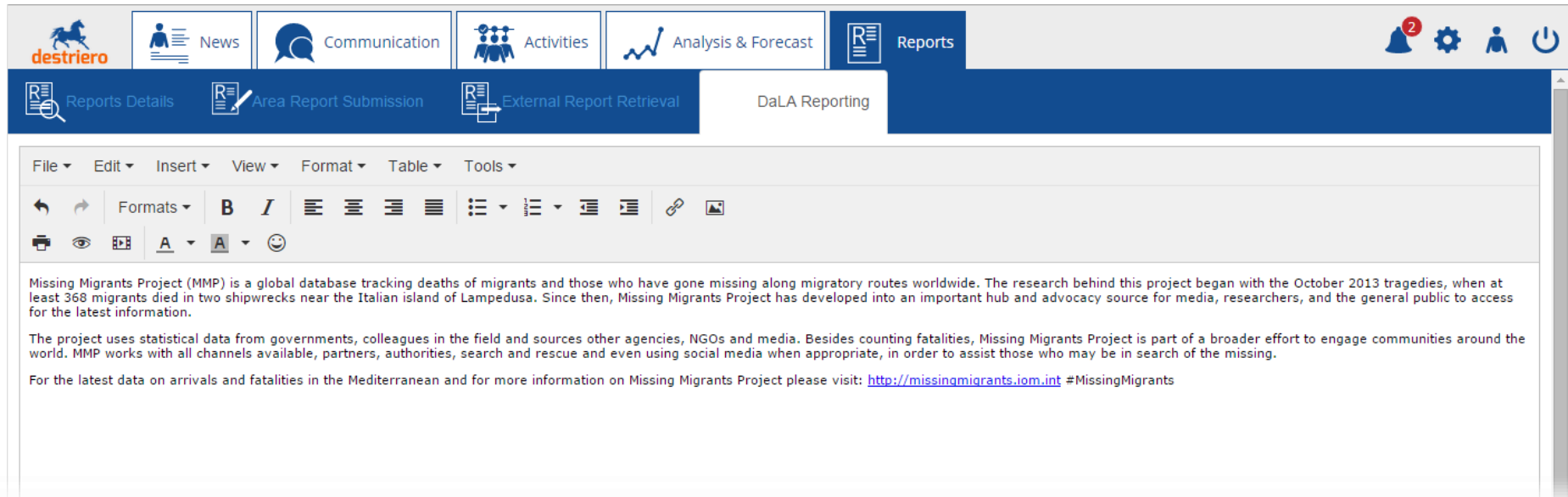
- Id: 1204966
- URL: <http://reliefweb.int/node/1204966>
- Title: Solidarity With Syrians
- Status: published
- Language: English
- Country: Australia; Austria; Belgium; Canada; Czech Republic; Denmark; Egypt; Finland; France; Germany; Greece; Iceland; Iraq; Ireland; Italy; Japan; Jordan; Lebanon; Luxembourg; Netherlands; New Zealand; Norway; Poland; Portugal; Republic of Korea; Russian Federation; Slovakia; Spain; Sweden; Switzerland; Syrian Arab Republic; Turkey; United Kingdom of Great Britain and Northern Ireland; United States of America; World
- Source: Oxfam
- Format: Analysis
- Date: 2015-10-07T02:57:52+00:00

User intends to

- view details on external reports from a list

Time frames

- T0+111 hours: Reports collection



The screenshot displays the Destriero HMI interface. The top navigation bar includes icons for News, Communication, Activities, Analysis & Forecast, and Reports. The Reports section is active, showing a sub-menu with Reports Details, Area Report Submission, External Report Retrieval, and DaLA Reporting. The DaLA Reporting section is currently selected, displaying a rich text editor with a menu (File, Edit, Insert, View, Format, Table, Tools) and a toolbar. The text area contains information about the Missing Migrants Project (MMP), including its purpose, history, and a link to the project's website.

Missing Migrants Project (MMP) is a global database tracking deaths of migrants and those who have gone missing along migratory routes worldwide. The research behind this project began with the October 2013 tragedies, when at least 368 migrants died in two shipwrecks near the Italian island of Lampedusa. Since then, Missing Migrants Project has developed into an important hub and advocacy source for media, researchers, and the general public to access for the latest information.

The project uses statistical data from governments, colleagues in the field and sources other agencies, NGOs and media. Besides counting fatalities, Missing Migrants Project is part of a broader effort to engage communities around the world. MMP works with all channels available, partners, authorities, search and rescue and even using social media when appropriate, in order to assist those who may be in search of the missing.

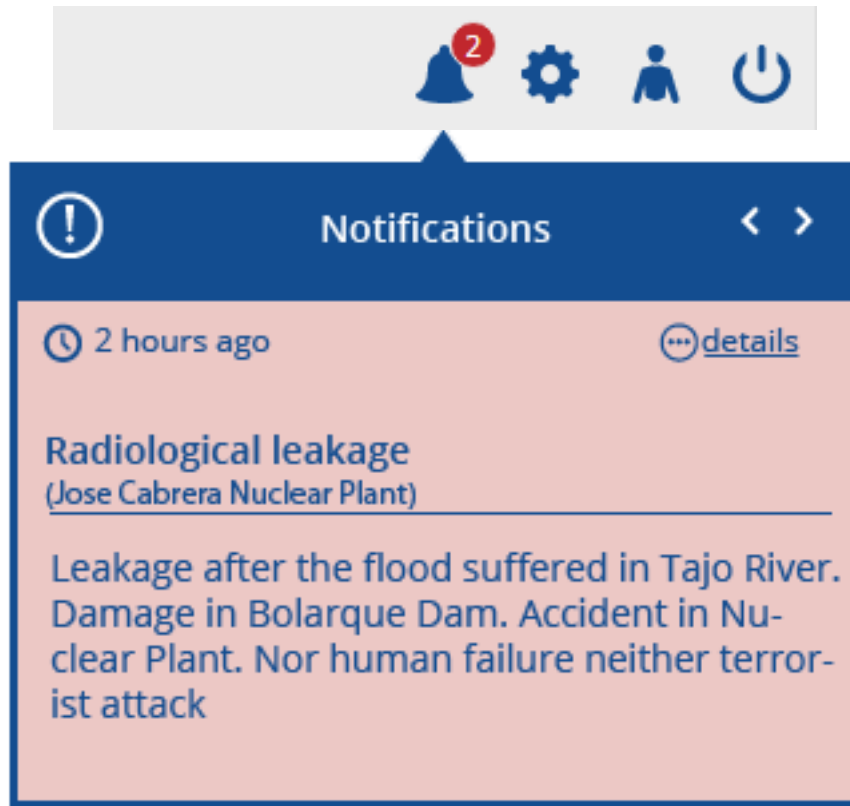
For the latest data on arrivals and fatalities in the Mediterranean and for more information on Missing Migrants Project please visit: <http://missingmigrants.iom.int> #MissingMigrants

User intends to

- generation of a DaLA report

Time frames

- T0+At least 1 month



User intents to

- work in the platform and get notifications, e.g. if
 - an activity plan was being updated
 - an event occurred
 - an user logged in/out

Time frames

- All

Thank You!

