A dark blue-tinted photograph showing a group of people in life jackets on a boat. In the foreground, a person is wearing a light-colored vest with "SAR-APP" printed on it. The background shows more people on the boat under a hazy sky.

SAR-APP + SearchWing

HOW NERDS HELP SEA-WATCH TO SAVE LIVES ON THE MED



**FIGHTING FORTRESS
EUROPE SINCE 2015**

#SafePassage



EUROPE'S CASTLE DITCH

the initial situation

16



1 / 16



Esri World Geocoder



+

-



MISSING MIGRANTS PROJECT / IOM (UN)

missingmigrants.iom.int

1000mi

Latest data

4,913

migrant deaths
in the Mediterranean
of 7,274 deaths
recorded worldwide

Published 11:00 CET 22 December 2016

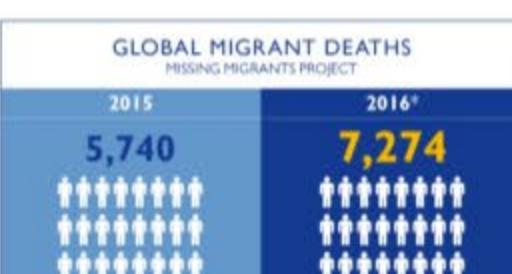
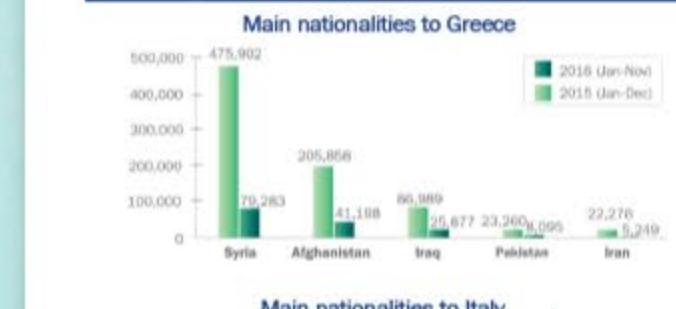
Latest Downloads:

- Latest Mediterranean Update [here](#)
- Dangerous Journeys data brief [here](#)
- Missing Migrants Project's annual report [here](#)
- Back issues of Mediterranean Update [here](#)
- Full incident data-set with estimated coordinates [here](#)



Mediterranean Update

Migration Flows Europe: Arrivals and Fatalities



1 / 44





SEARCH AND RESCUE D.I.Y.

How Sea-Watch got started

SEA-WATCH E.V.
HARALD HÖPPNER



A simple question:
**What is the
difference?**









#SCHWEIGEJAUCH



Sea-Watch.org



Conrad Elser
@swala4711



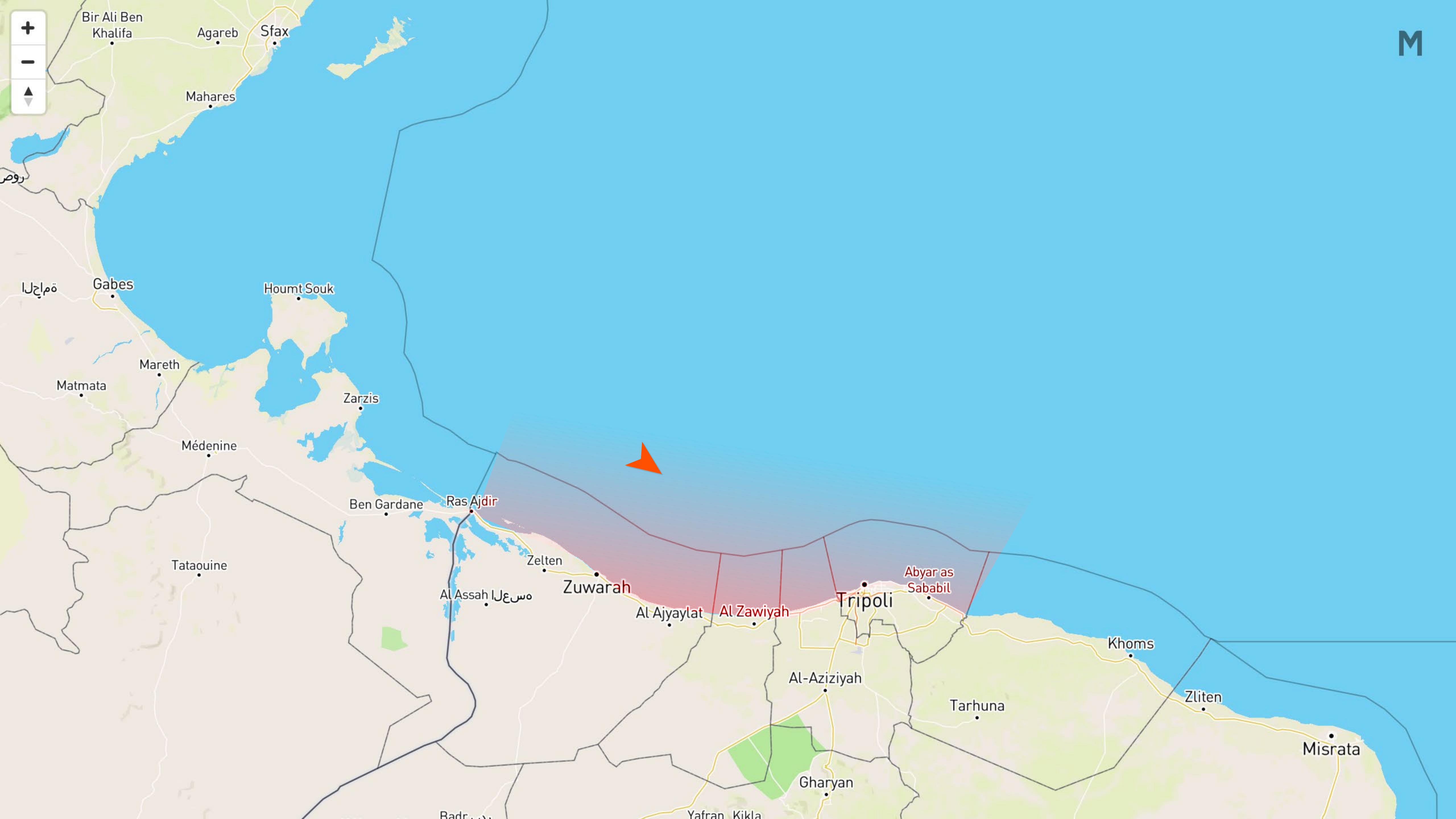
Folgen

Für dieses Gesicht während der
#Schweigejauch hat es sich dann doch
gelohnt. #Jauch



Sea-Watch.org









#SPREEBOOT













20,000



Sea-Watch 2 Dispatch August 18th 2016





SOS MEDITERRANEE GER
@SOSMedGermany



Folge ich

#BREAKING 12 hours #rescue operation of 3 wooden boats off #Libya - several hundred are save on board #Aquarius. Rescue started 2AM today

🌐 Original (Englisch) übersetzen



RETWEETS
12

GEFÄLLT
9



06:43 - 28. Dez. 2016



5,000+









Sea Watch

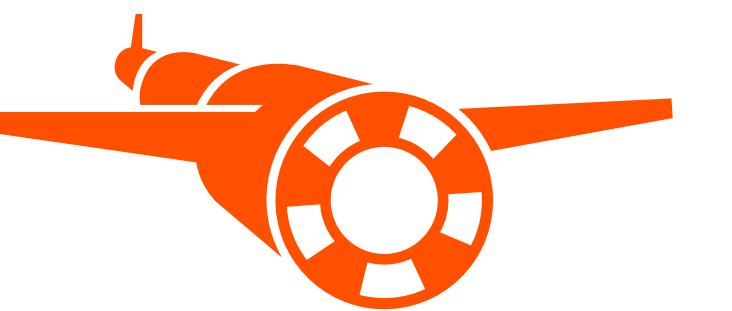


© CHRISTIAN-DITSCH.DE



**WE
NEED
NERDS!**





SearchWing

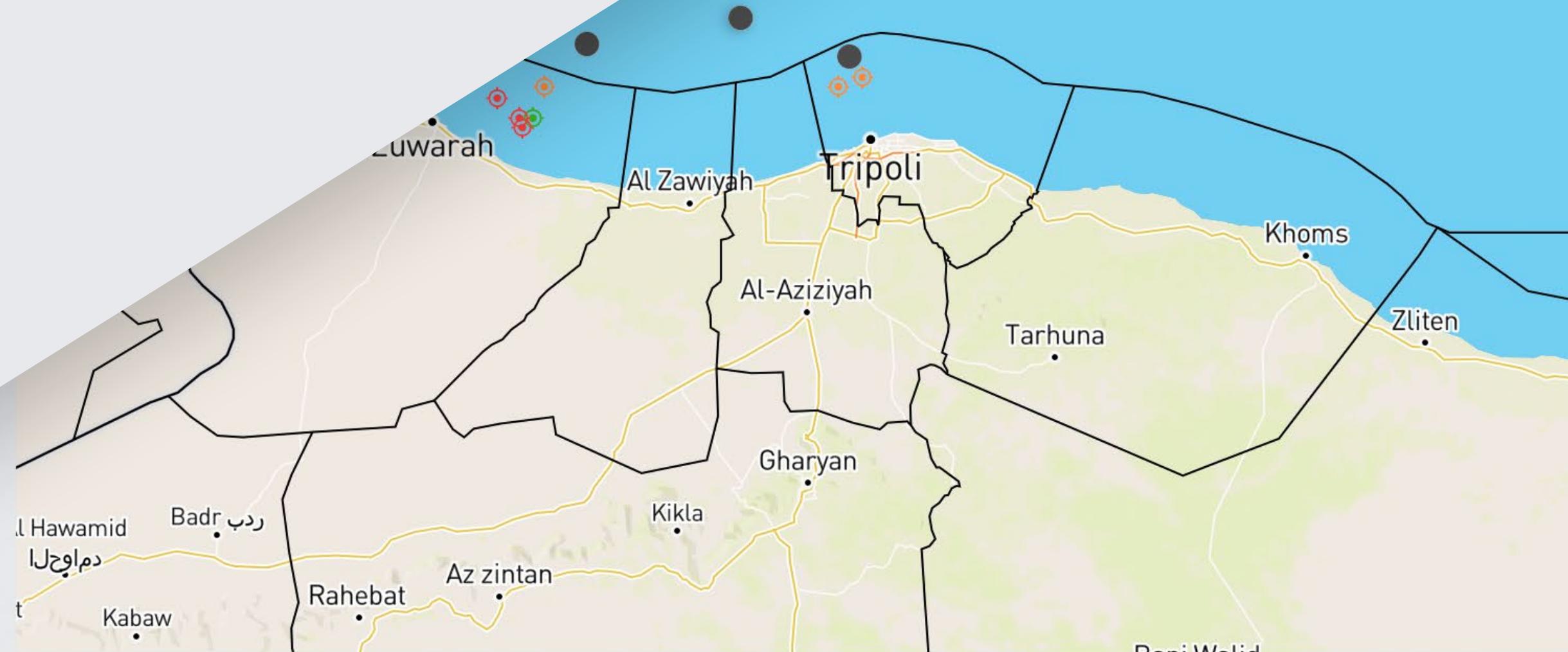
FIND TO RESCUE

Vehicles

- All
- Sea-Watch 2
- Iuventa (Jugend Rettet)
- Aquarius (SOS Med)
- Sea-Eye
- Bourbon Argos (MSF)
- Phoenix (MOAS)
- Phoenix (MSF)

Status

- Need Help
- Critical
- Confirmed
- Possible Target
- Attended
- Closed



... 2 new cases since last update

#1194 · 10. October 2016 - 06:32 · N 32° 57' 45.311" · O 12° 33' 26.542"

Added by: Sea-Watch 2

Need Help

Rubberboat

People in water



#1193 · 10. October 2016 - 05:12 · N 32° 57' 45.311" · O 12° 33' 26.542"

Added by: Iuventa (Jugend Rettet)

Attended

Woddenboat

Bad

#1192 · 10. October 2016 - 05:01 · N 32° 57' 45.311" · O 12° 33' 26.542"

Closed

Rubberboat

Closed

Iuventa (Jugend-Rettet e.V.) · 20 minutes ago

At our position, there is a woddenboat we attended to. CP 148 is on the way. If somebody has ressources he could help.

Sea-Eye · 13 minutes ago

@Iuventa: We are on our way.

10. October 2016 - 06:32

Sea-Watch 2 added Case #1194. Status: Need Help, Type: Rubberboat, Condition: People in water

Aquarius (SOS MED) · 5 minutes ago

@Sea-Watch 2: Channel 71, for contact

10. October 2016 - 06:38

Aquarius (SOS MED) attended Case #1194.

Sea-Eye · 2 minutes ago

@Iuventa: If is not urgent, we would first go to @Sea-Watch 2?

Iuventa (Jugend-Rettet e.V.) · 2 minutes ago

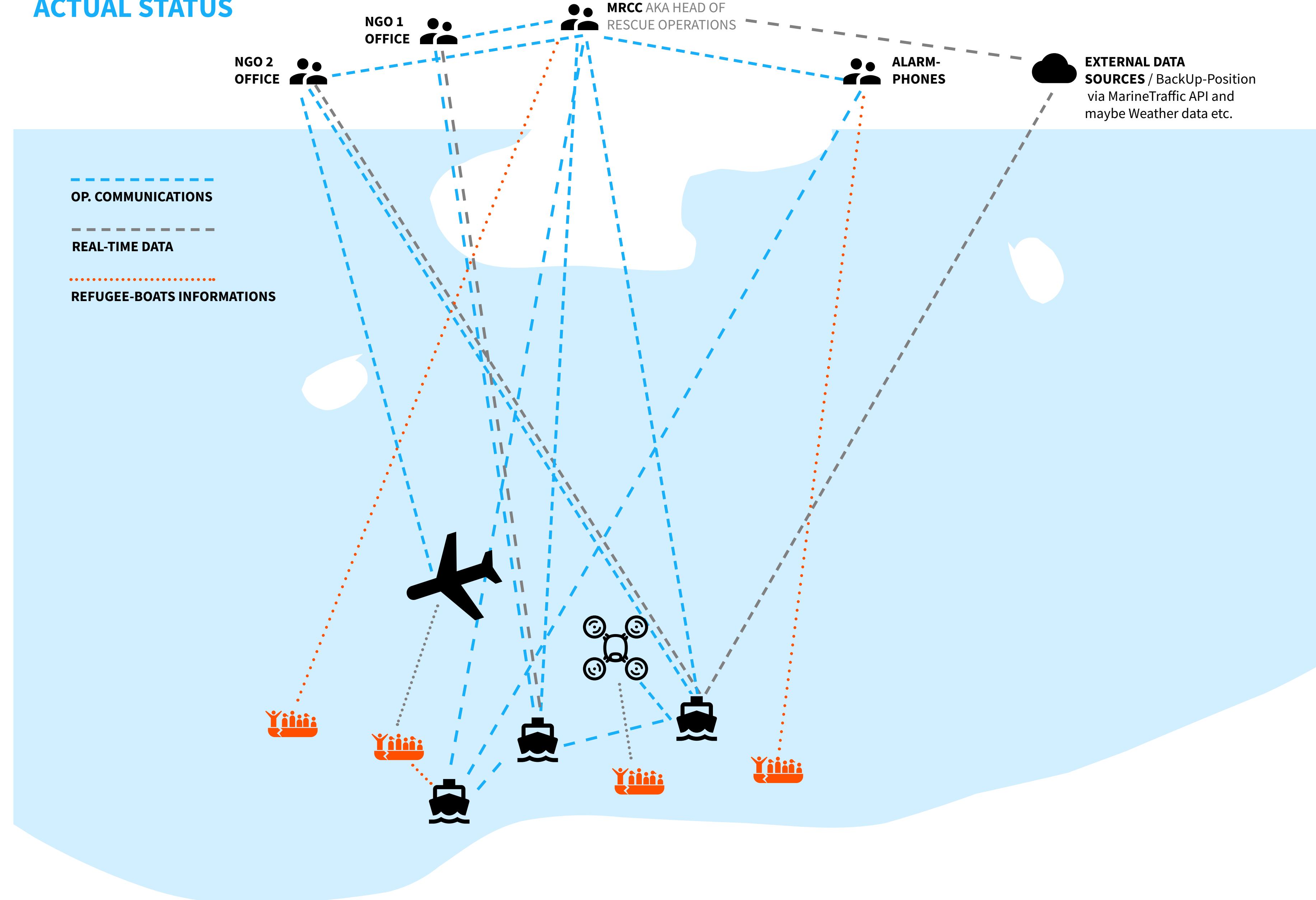
@Sea-Eye: Ok

10. October 2016 - 06:42

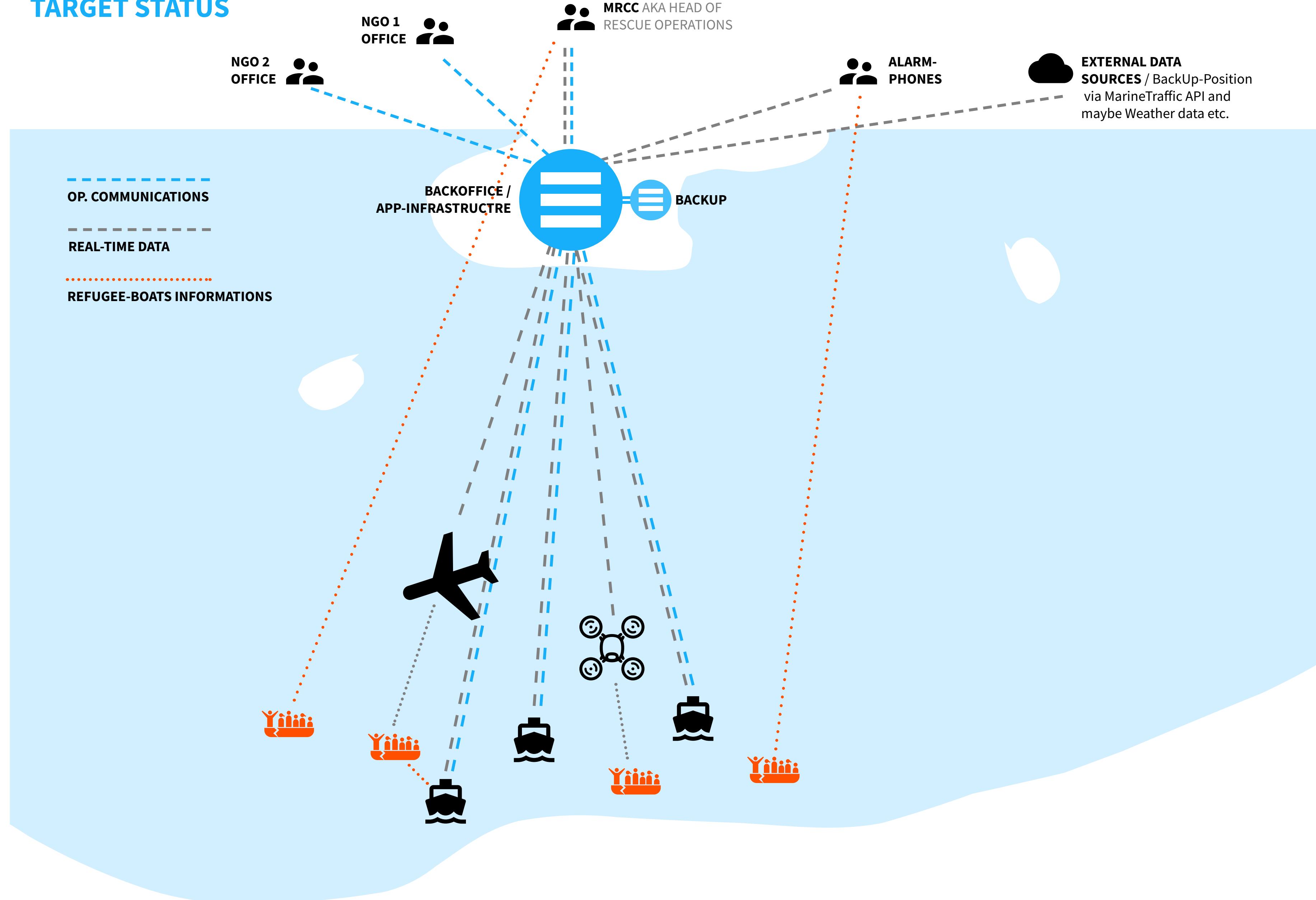
Sea-Eye attended Case #1194.

Ihre Nachricht. Absenden mit Klick auf Enter.

ACTUAL STATUS



TARGET STATUS



SAR ICT-App · Idea

COORDINATE CASES & MISSIONS

- It consists on a **geographic information system** linked to a database in which **cases and rescue vessels** can be **located** with all necessary informations like boat-type or how many people on board.
- It gives all participants an **overview** of what is **happening now** and what has **happened in the past**.
- Conservation of **evidence**
position-data, timestamps, involved parties, etc.



DISPLAY MODE

MAP-VIEW

SEA-WATCH SAR-Command

MODE Map Cases

CREATE New Case SHOW Cases

SEA-WATCH E.V. Sea-Watch 2

Vehicles

- All
- Sea-Watch 2
- Iuventa (Jugend Rettet)
- Aquarius (SOS Med)
- Sea-Eye
- Bourbon Argos (MSF)
- Phoenix (MOAS)
- Phoenix (MSF)

Status

- Need Help
- Critical
- Confirmed
- Possible Target
- Attended
- Closed

All Chat Log

Iuventa (Jugend-Rettet e.V.) · 20 minutes ago
At our position, there is a woddenboat we attended to. CP 148 is on the way. If somebody has ressources he could help.

Sea-Eye · 13 minutes ago
@Iuventa: We are on our way.

10. October 2016 - 06:32
Sea-Watch 2 added Case #1194. Status: Need Help, Type: Rubberboat, Condition: People in water

Aquarius (SOS MED) · 5 minutes ago
@Sea-Watch 2: Channel 71, for contact

10. October 2016 - 06:38
Aquarius (SOS MED) attended Case #1194.

Sea-Eye · 2 minutes ago
@Iuventa: If is not urgent, we would first go to @Sea-Watch 2?

Iuventa (Jugend-Rettet e.V.) · 2 minutes ago
@Sea-Eye: Ok

10. October 2016 - 06:42
Sea-Eye attended Case #1194.

Ihre Nachricht. Absenden mit Klick auf Enter.

FUNCTION OVERVIEW

VEHICLE-FILTER & STATUS

GREEN	ONLINE
ORANGE	SHORT AWAY
GREY	OFFLINE

OFFLINE = more 20 min. no connection

CASES-FILTER & STATUS

Vehicles

- All
- Sea-Watch 2
- Iuventa (Jugend Rettet)
- Aquarius (SOS Med)
- Sea-Eye
- Bourbon Argos (MSF)
- Phoenix (MOAS)
- Phoenix (MSF)

Status

- Need Help
- Critical
- Confirmed
- Possible Target
- Attended
- Closed

CASEBOX
"CLICKED"

NAVIGATION

SEA-WATCH
SAR-Command

MODE
Map

Cases

CREATE
New Case

UPDATE CASE LIST

... 2 new cases since last update

#1194 · 10. October 2016 - 06:32 · N 32° 57' 45.311" · O 12° 33' 26.542"	Added by: Sea-Watch 2
<input checked="" type="radio"/> Need Help	Rubberboat
People in water	<input type="button" value="edit"/>
#1193 · 10. October 2016 - 05:12 · N 32° 57' 45.311" · O 12° 33' 26.542"	Added by: Iuventa (Jugend Rettet)
<input checked="" type="radio"/> Attended	Woodenboat
Bad	<input type="button" value="edit"/>
Status	Boat Type
Confirmed	Wooden
Bad	<input type="button" value="edit"/>
Position	GMS
N 32 ° 57' 45.311"	O 12 ° 33' 26.542"
How many people?	... women?
150	40
... children?	... disabled?
20	5
<input type="checkbox"/> Other Boat/s involved	<input type="checkbox"/> Additional Informations

CASEBOX

SYSTEM STATUS

BLUE = CONNECTED & ONLINE

RED = NOT CONNECTED

SEA-WATCH E.V.
Sea-Watch 2

All Chat Log

Iuventa (Jugend-Rettet e.V.) · 20 minutes ago

At our position, there is a woodenboat we attended to. CP 148 is on the way. If somebody has resources he could help.

Sea-Eye · 13 minutes ago

@Iuventa: We are on our way.

10. October 2016 - 06:32

Sea-Watch 2 added Case #1194. Status: Need Help, Type: Rubberboat, Condition: People in water

Aquarius (SOS MED) · 5 minutes ago

@Sea-Watch 2: Channel 71, for contact

10. October 2016 - 06:38

Aquarius (SOS MED) attended Case #1194.

Sea-Eye · 2 minutes ago

@Iuventa: If is not urgent, we would first go to @Sea-Watch 2?

Iuventa (Jugend-Rettet e.V.) · 2 minutes ago

@Sea-Eye: Ok

10. October 2016 - 06:42

Sea-Eye attended Case #1194.

EDIT CASE

Ihre Nachricht. Absenden mit Klick auf Enter.

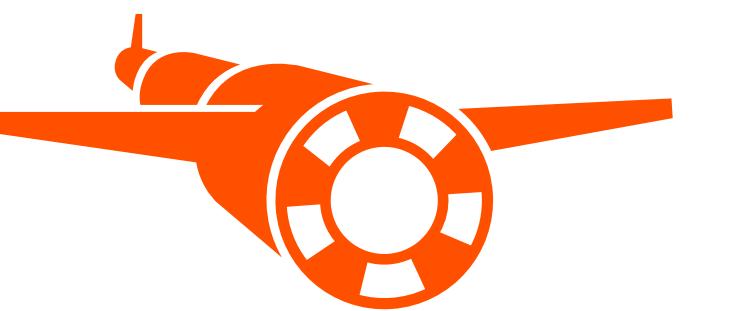
USER

CHAT & LOG IN ONE SIMPLE OVERVIEW

We need your help!

- Security Concept
- Decentralization
- Geo-Hacker / Informatics
- Ideas? come to the
searchwing assembly





SearchWing

FIND TO RESCUE

HOW IT BEGAN



SearchWing
FIND TO RESCUE

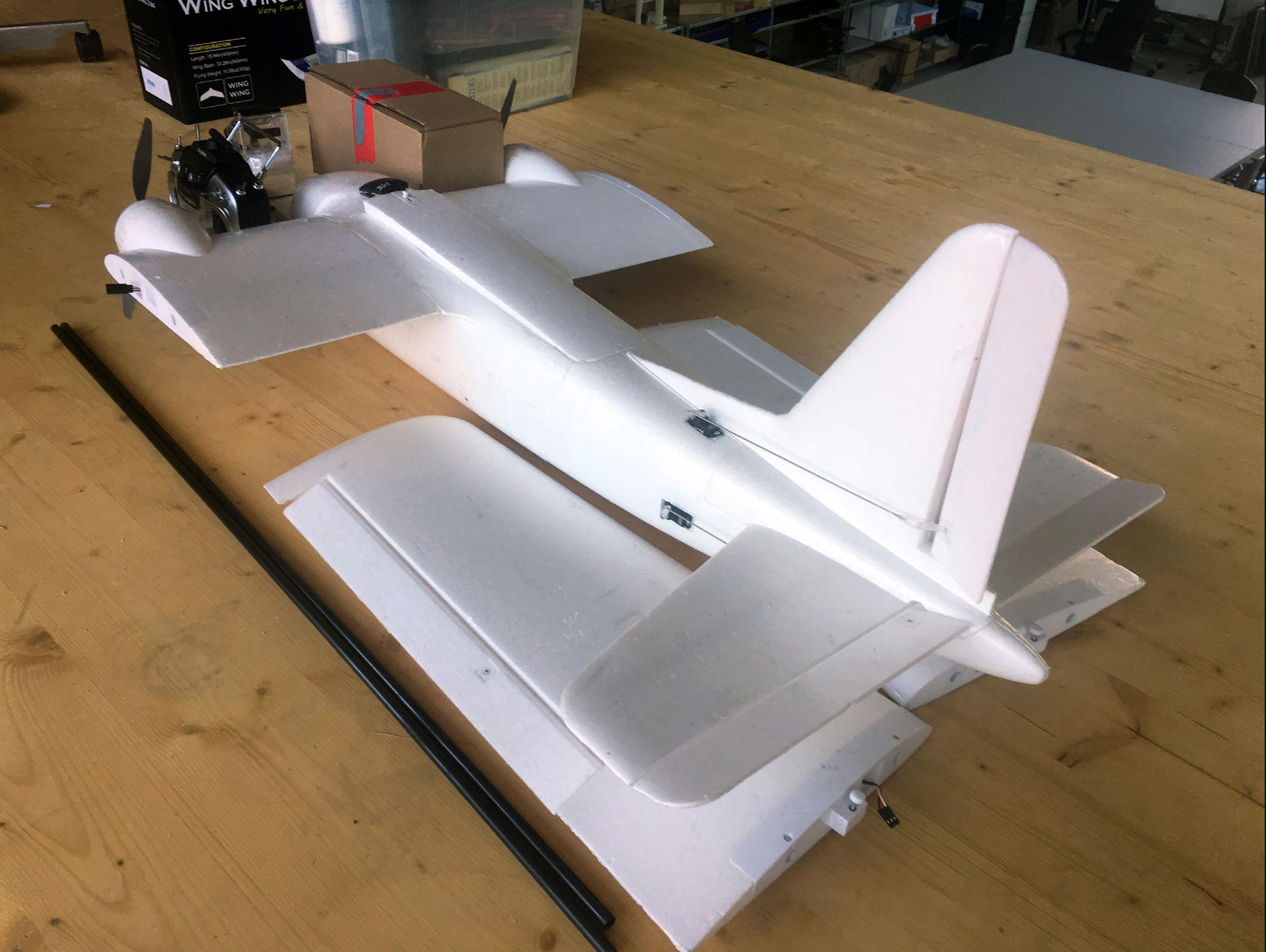
CC BY-SA 3.0 · https://commons.wikimedia.org/wiki/File:Schiebel_Camcopter_S-100_atILA_2010.jpg
MatthiasKabe / Schiebel Camcopter S-100

SCENARIOS



SearchWing

FIND TO RESCUE





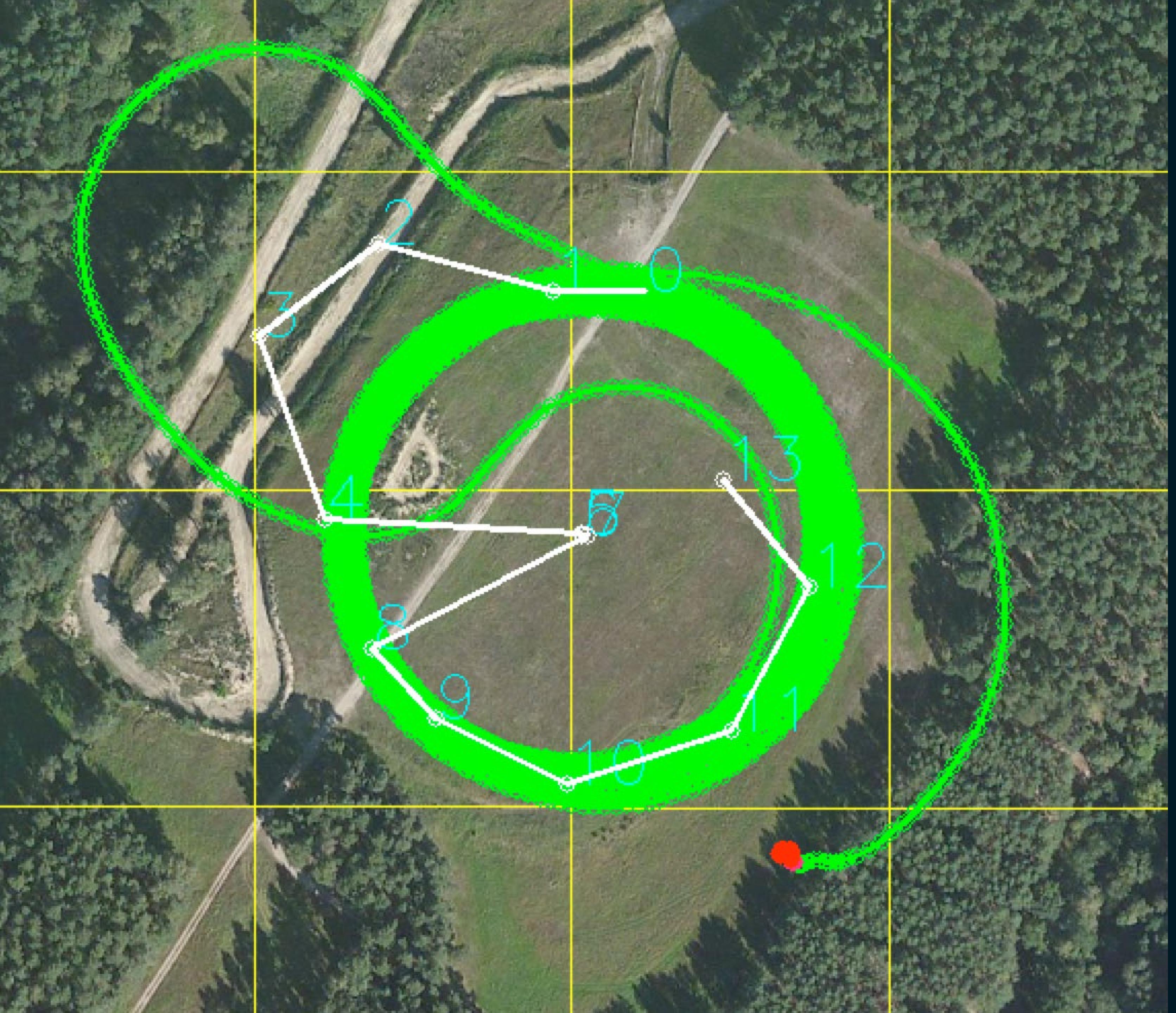
LEARNING CURVE



SearchWing

FIND TO RESCUE









TECHNICS



SearchWing

FIND TO RESCUE

CHALLENGES



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UPCOMING MILESTONES



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www.searchwing.org



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LICENCE

non-commercial - non-military



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QUESTIONS



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