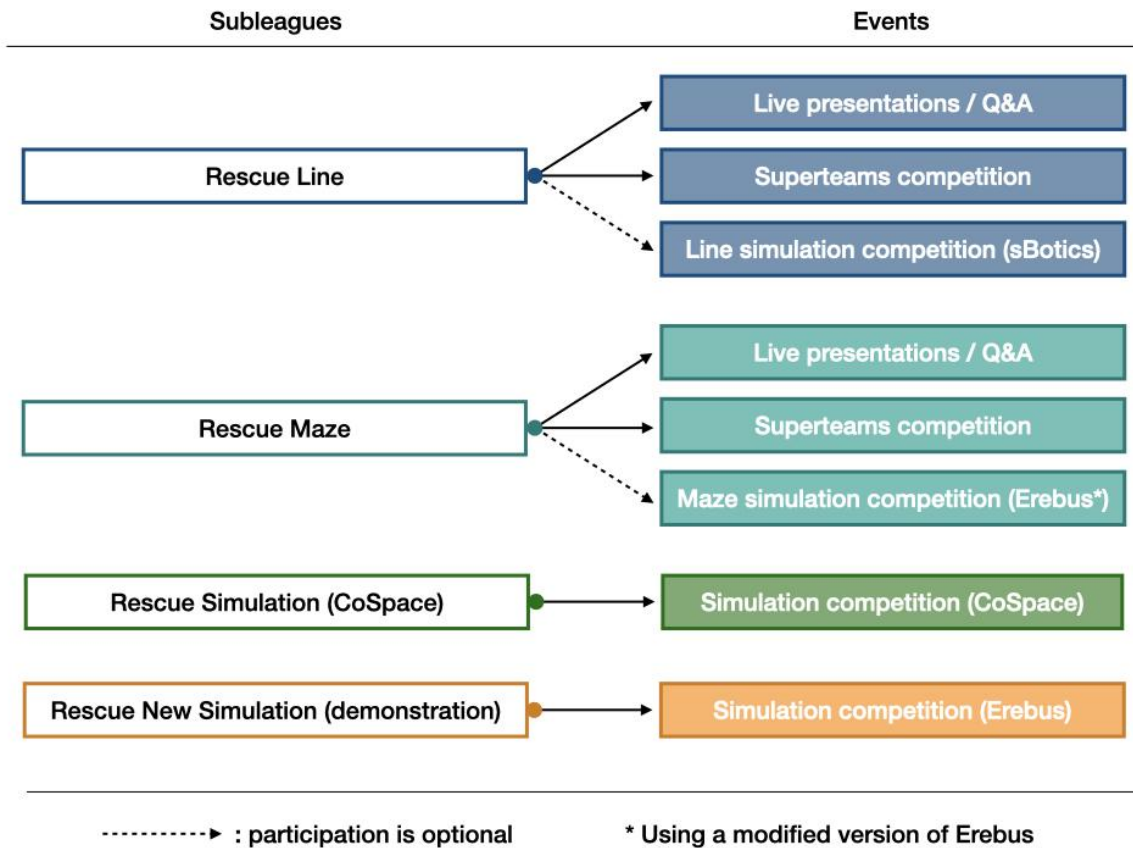


## The participants' guide for RCJ Rescue 2021 events



### General information:

- Rescue has three official sub-leagues (Rescue Line, Rescue Maze, Rescue Simulation) and one demonstration (New Simulation).
- Every participating team is allowed to participate in **ONLY ONE** of the three different sub-leagues **OR** the New Simulation Demonstration.

### Selection process:

- For **Line, Maze, and Simulation (CoSpace)**, teams will be qualified by **each region**. Please contact [your regional reps](#) for details.
- For **New Simulation Demonstration**, the selection is undertaken by the international technical and organisational committees. Please see the community website's [dedicated page](#) for more information.

**NOTE:** Since the selection for **New Simulation Demonstration** is independent from the other sub-leagues, some teams may be qualified for a sub-league (Line, Maze OR Simulation [CoSpace]) AND New Simulation Demonstration. In this case, the team **MUST** declare to participate in either the sub-league OR New Simulation Demonstration.



## Rescue Line and Maze:

There will be three events: Live presentations/Q&A, SuperTeams, and a simulation challenge - see the diagram above. We are preparing a variety of awards spanning all of the planned events.

- Live presentations/Q&A
  - This will be our “main” event for Line participants. Teams will have to
    - a) *submit a pre-recorded video and*
    - b) *a documentation of their work and robot [submit by 15th June],*
  - AND
  - c) *do a live presentation, followed by*
  - d) *an interview to a panel of judges.*
  - Teams will have to have their robot ready for a live demo during the interview.
  - Field designs and details for the video presentation will be made available in mid-May.

***Detailed information can be found on the [community webpage](#).***

- SuperTeams
  - Each team will be paired up to do a superteam challenge lasting over a few days.
  - Relevant prerequisites and information will be presented closer to the competition.
- Line simulation challenge (sBotics)
  - Using the [sBotics simulation platform](#), each Line team has an option to participate in a Line simulation challenge.
  - The simulated challenge will use the same field and scoring setup to a regular Rescue Line competition.
  - The aim of this challenge is to provide a competition experience similar to that in an in-person event.
  - The participation in the simulation challenge is **OPTIONAL** (Teams must choose through a an online form provided after the 7th of June)
- Maze simulation challenge (Erebus with some modifications)
  - Using the [Erebus simulation platform](#), each Maze team has an option to participate in a Maze simulation competition.
  - For the simulated challenge, please refer to the [New Simulation rules](#) with the following modifications: a) only Area1 will be used, b) only lettered victims will be used.
  - The aim of this challenge is to create a competition event similar to that in an in-person event.
  - The participation in the simulation challenge is **OPTIONAL** (Teams must choose through a an online form provided after the 7th of June)



### Rescue Simulation (CoSpace):

- Teams will be asked to submit a Team Description Paper (TDP) and a pre-recorded video presentation. The video presentation will be published. However, teams are not required to give a live presentation.
- The Simulation sub-league will have competitions divided into preliminary rounds and a finals tournament (quarter, semi, and final). This is a similar competition format to usual years, but just not at an in-person setting. The Finals will be done in zoom or other equivalent platform.
- Interviews for each team will take place as well.
- Each team will submit their code before each round, which is then executed by the organisers.
- The CoSpace Simulator 2021 is no longer based on the MRDS. The new CoSpace Simulator has seamless connection with the earlier version. Teams are encouraged to download the CoSpace Rescue Simulator 2021.
  - [Download link](#)
  - [Installation guide](#)
- Warming up maps will be available to teams after the registration is completed.

### Rescue New Simulation (Demonstration):

- The New Simulation Demonstration will have an individual competition using the [Erebus simulation platform](#).
- Teams must submit their code, which will be executed by the organisers.
- Throughout the RoboCup week, a mini challenge will be hosted based on a collaborative format.
- It must be noted that this is a **demonstration competition**. This means that we are **trying out this challenge and its feasibility, interest, etc.** Furthermore, teams will receive awards presented by the RoboCupJunior TC and OC, not the official awards presented by the RoboCup Federation due to Rescue New Simulation being a *demonstration*.