

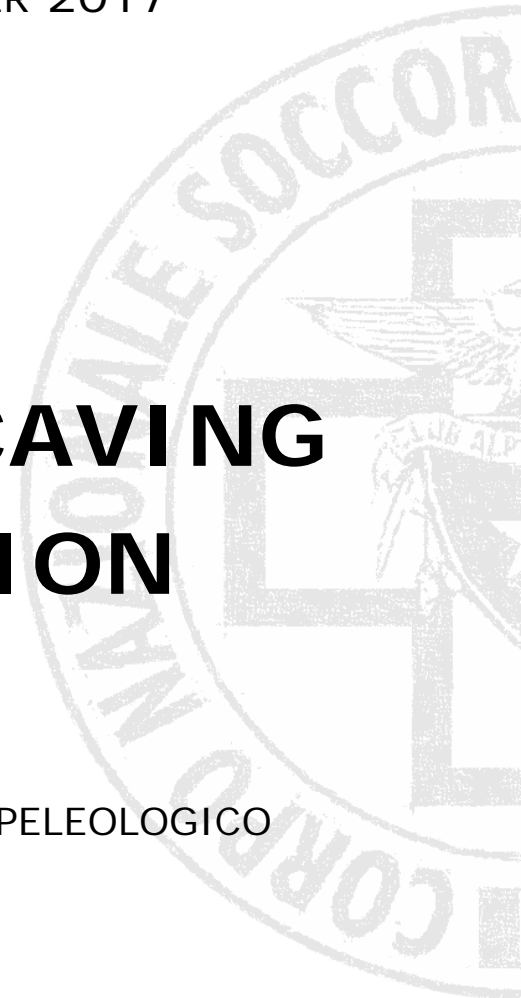


11<sup>ST</sup> EUROPEAN CAVE RESCUE MEETING 2017

SOFIA, BULGARIA, 6<sup>TH</sup>– 8<sup>TH</sup> OCTOBER 2017

# CHECKLIST FOR A CAVING RESCUE OPERATION

CORPO NAZIONALE SOCCORSO ALPINO E SPELEOLOGICO



# AGENDA

- ✓ Collecting information
- ✓ Activation
- ✓ Advanced camp
- ✓ Base camp management
- ✓ Operation management
- ✓ Activity completion



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# DATA COLLECTION

- ✓ Casualty's conditions
- ✓ The casualty's team
  - number of people
  - conditions
- ✓ The cave
  - morphology
  - rigging
- ✓ The path to the cave
  - morphology
  - conditions



# DATA COLLECTION

- ✓ Rescuers already present in the site
  - number of rescuers
  - skills/competencies
  - equipment
  
- ✓ Person that issued the alarm
  - to ensure communication continuity
  - to provide guidelines



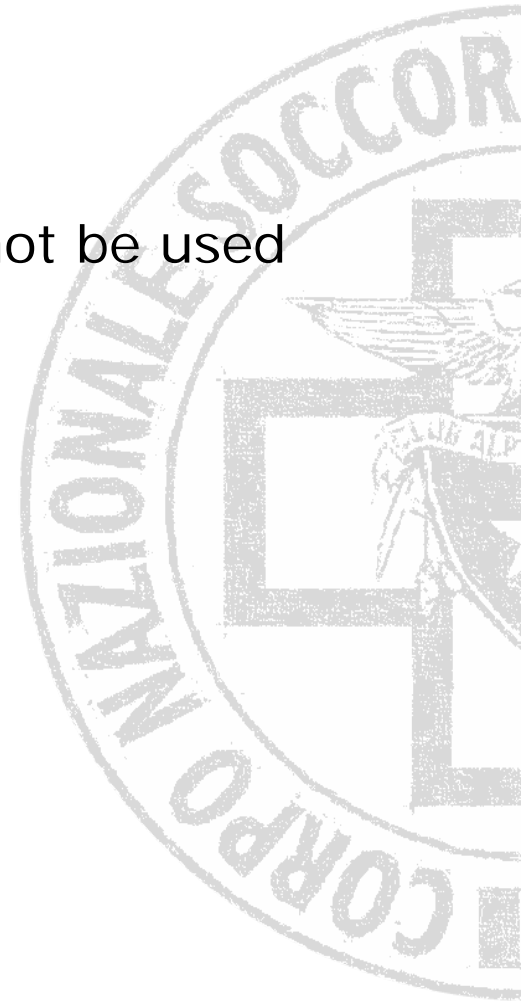
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# ACTIVATION (ALERT)

- ✓ Teams readiness
  - the fastest not always the closest
- ✓ Better to activate teams that might not be used than to risk a lack of rescuers
- ✓ Rescuers skills/competencies
- ✓ Equipment
- ✓ To take care about the medical team
  - in the cave
  - for external support





# ACTIVATION (ALERT)

- ✓ Time for the teams to get ready
  - Travel time
  - Rest
- ✓ Not only technical profiles
  - Operations director
  - Logistics
  - Warehouse management
  - Secretaries
  - Communication experts



# ACTIVATION (ALERT)

- ✓ To agree for constant communications with the teams travelling to reach the site
- ✓ To delegate activities to a "management team"
- ✓ Keep a chronological report of the activities

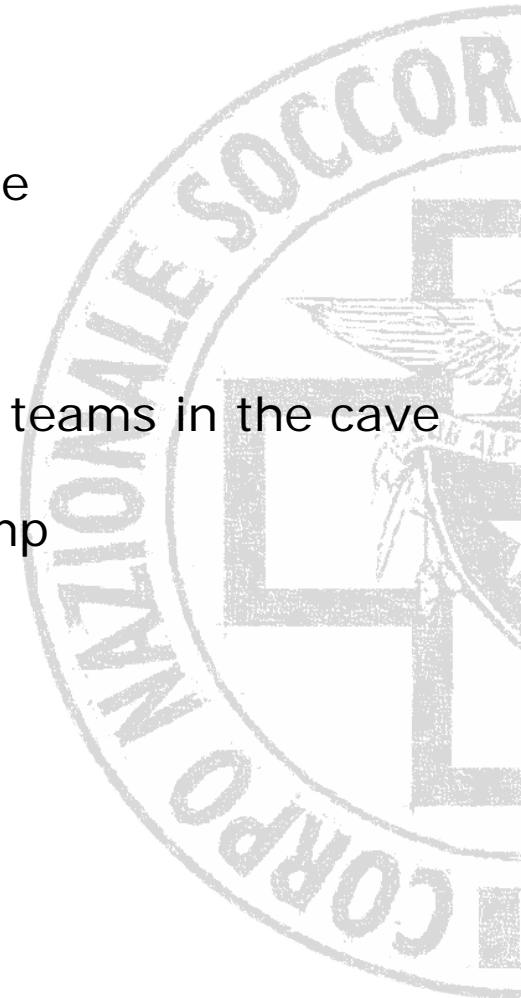
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# ADVANCED CAMP

- ✓ Critical connection point
- ✓ As close to the cave's entrance as possible
- ✓ Light
- ✓ Always connected (telephone line) to the teams in the cave
- ✓ Always connected (radio) to the base camp
- ✓ Few people shifting 24/24 h
  - very skilled
- ✓ Advanced medical presidium



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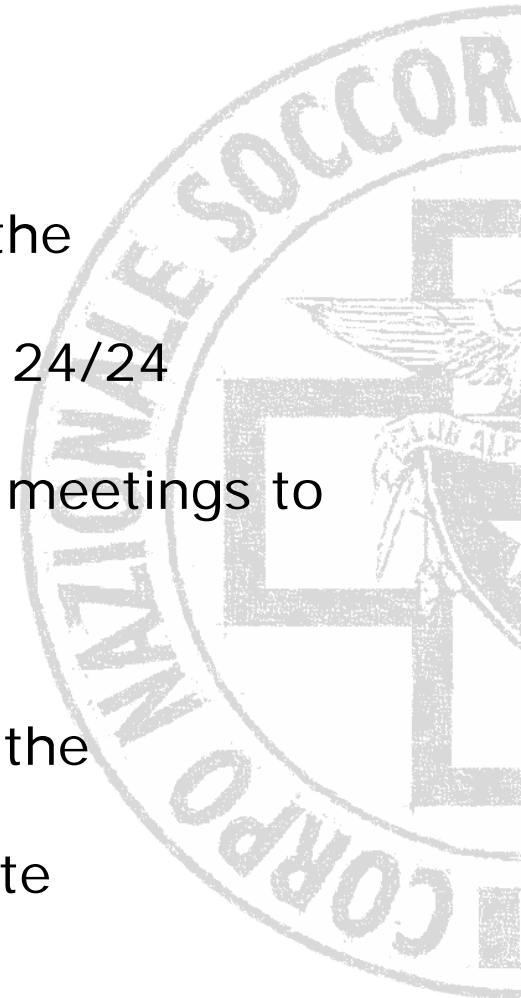
# BASE CAMP MANAGEMENT

- ✓ Teams:
  - operation directors
  - cave rescue coordinator/s
  - secretary
- ✓ To record:
  - arrivals (who/when)
  - list of people currently present
  - vehicles
  - equipment



# BASE CAMP MANAGEMENT

- ✓ To assign areas to the organizations
- ✓ To make sure that a chief of each of the organizations/teams will be available 24/24
- ✓ To plan (as soon as possible) regular meetings to update the directors
- ✓ To setup a board for the notes about the operations to keep rescuers up-to-date
  - in a central/common area



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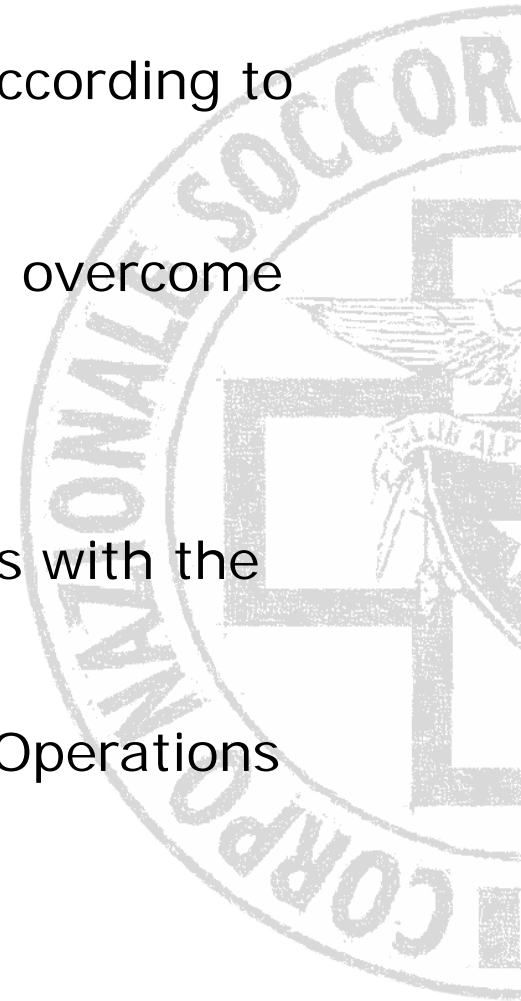
# CAVE OPERATIONS MANAGEMENT

- ✓ Time-based rather than space-based planning (cave)
  - generally 12 working hours except transfers
- ✓ Teams turnover
  - uniform rather than all at once
  - Spread during the time
  - To avoid people to wait in a line along the way out
- ✓ Always keep a backup team ready to start



# CAVE OPERATIONS MANAGEMENT

- ✓ To update regularly the masterplan according to the latest info
- ✓ Continuously try to forecast and then overcome any issue that might arise
- ✓ "B Plan"
- ✓ Regular (time based) communications with the team working in the cave
- ✓ Some overlap should be planned for Operations directors turnover



# CAVE OPERATIONS MANAGEMENT

- ✓ compulsorily and regularly to keep updated the rescuers
- ✓ To take care about the relationship with:
  - casualty's relatives
  - authorities
  - other organizations (cooperating)
  - media (before/during/after)
- ✓ Explosives management
- ✓ Special teams management
- ✓ To define/agree on communication systems



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# ACTIVITY CLOSURE

- ✓ Operations must be considered closed once only after all the rescuers have returned back to the base camp
- ✓ It's strongly recommended to plan a debriefing on the spur of the moment



**Thank You**

