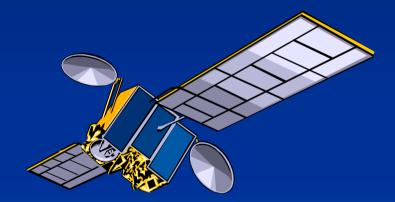




in a search mission



DIFFICULTIES:

- how to divide not well known region into smaller areas and how to explain individuals and searching groups to understood easily where their searching terrains are
- how to supervise momentary location of individuals or searching groups during actual searching is in progress
- how to effectively direct the individuals or searching groups, help them with some information about the terrain in front of them or navigate them to their destination in the shortest or the most appropriate way
- how to evaluate, either during the search or in later analysis, exactly which areas were scaned and which were left out and based on this information where to direct further search activites
- how to explain thoroughly, in case of continuing of intervention, the next coming individuals or groups the work, which was allready done (searched area) and how to direct them to their searching terrain in order not to be left out or searched twice

EQUIPMENT

- portable computer
- > navigation software OoziExplorer, Garmin MapSource
- manual and stationar radio transmitter
- > manual GPS Garmin GPS map 60 CS

PARTICIPANTS

- ➤ CENTRE (112)
- > LEADER OF A RESCUE OPERATION
- > LEADERS OF SEARCHING GROUPS
- > INDIVIDUALS, DOG HANDLERS
- > STATION, OPERATOR, MINUTE SECRETARY

CENTRE

- > gathers information, check and re-check
- > if ordered by team leader, convoke the team (dog hanlders, divers...)
- keeps the contact with the person who gave the initiation for further information
- restore the communication with the missing person???
- forward all the information to the head of intervention

PREPARATION the head of intervention

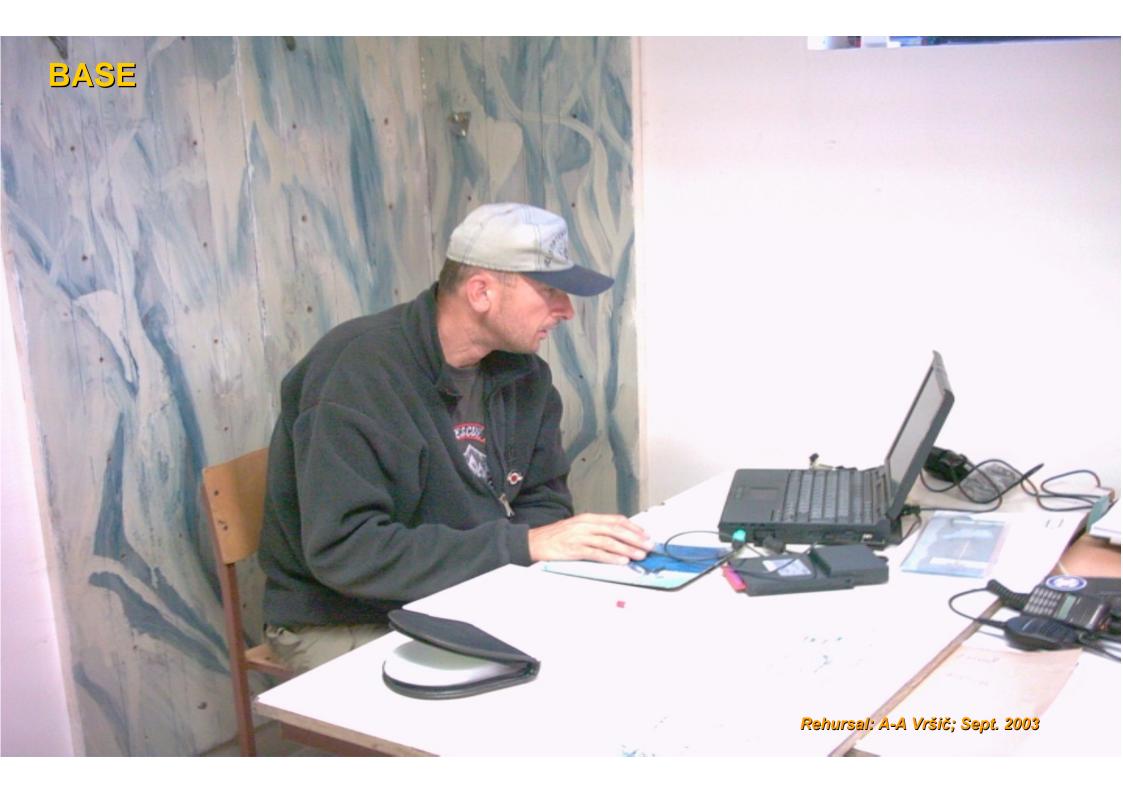
- direct conversation with the missing person, with the person who initiate (report the missing), with the last eyewittness, with local people
- integrate the short "story" with all the crucial data
- based on upper data decides which kind and how many rescuers he needs
- assign the team leaders
- assign the call signs and the way of communication

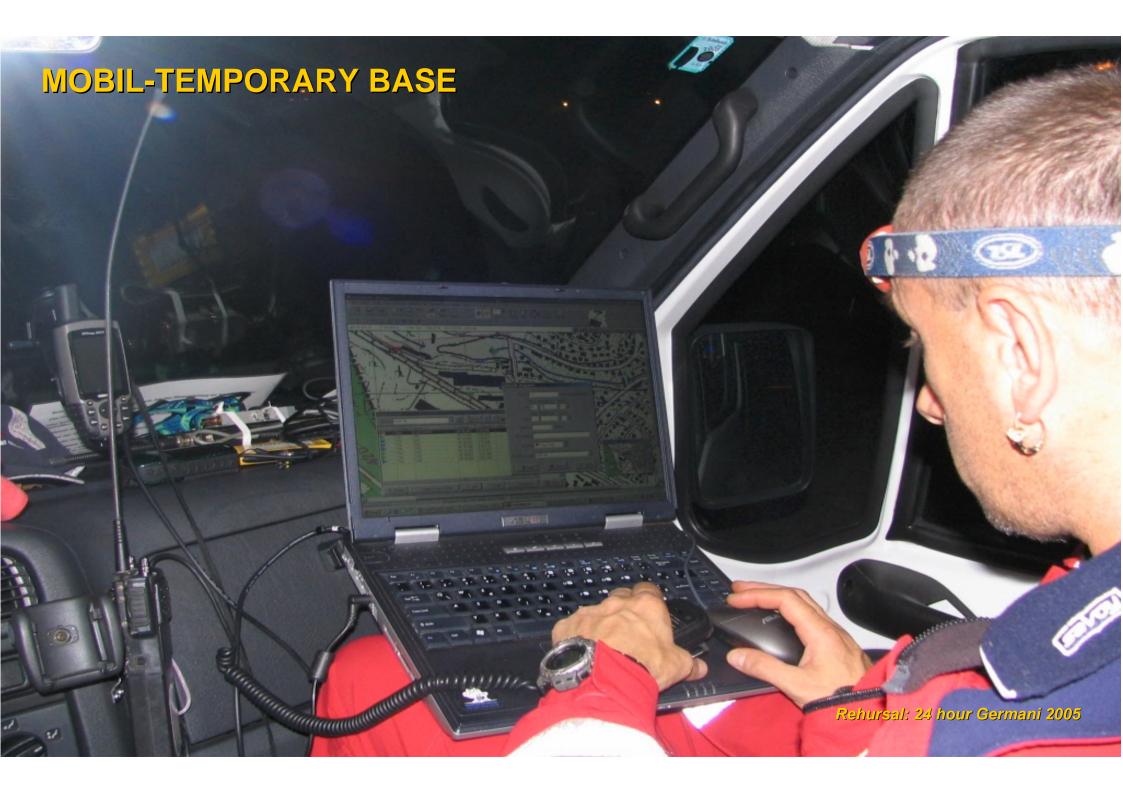
PREPARATION the head of intervention + team leaders

- determine the size and the boundries of the areas (input PC)
- elaborate the searching plan (priorities)
- concepts of searching on each area (sectors)
- determine the necessary team(s) on each area

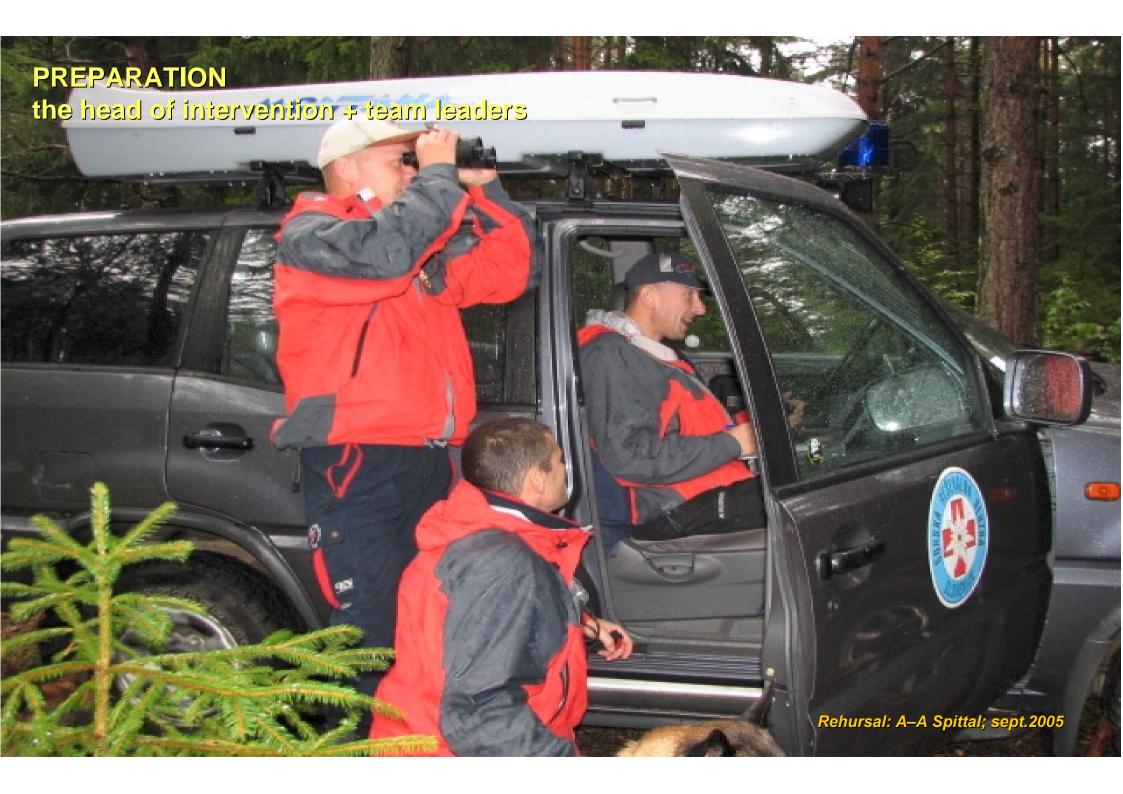
PREPARATION BASE CAMP / operator

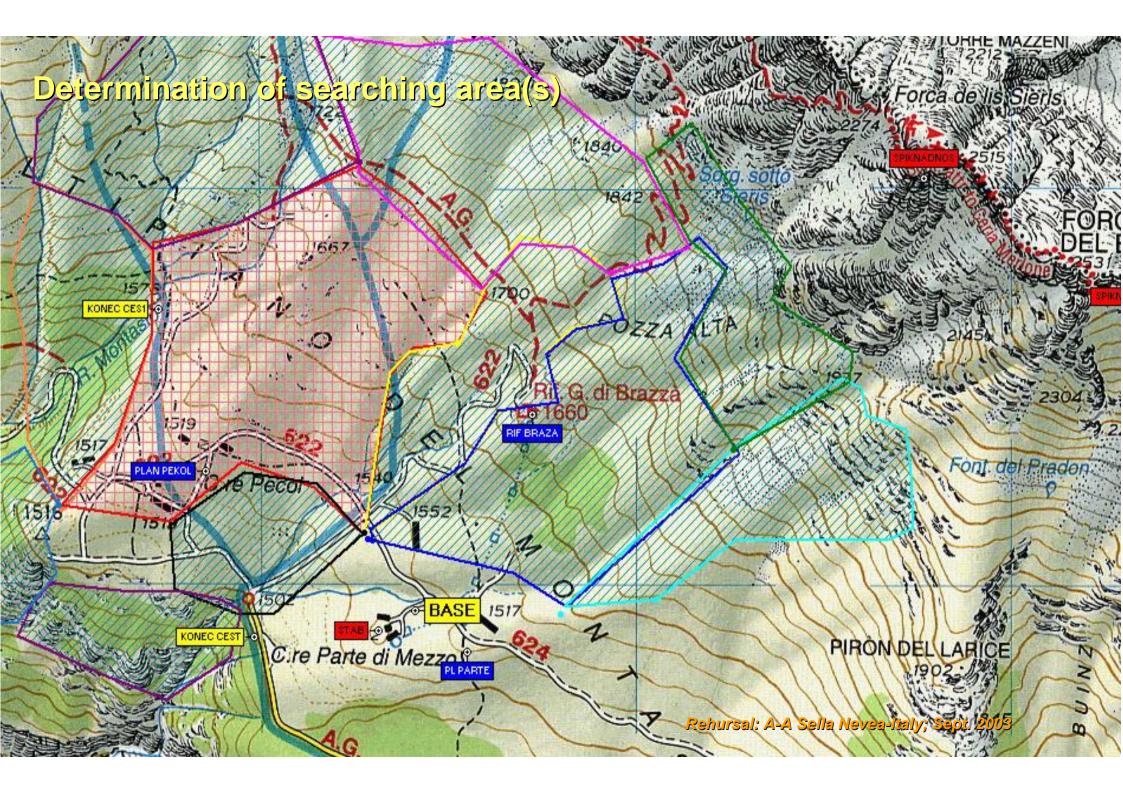
- prepare the minute book of the searching intervention
- prepare the equipment for taking allong on the searching area (PC, manual radio transmitter, backup power, GPS...)
- input of all known data into PC, input of districts and area(s)
- copy of a map in scale
- determine the place of a mobile (temporary) base









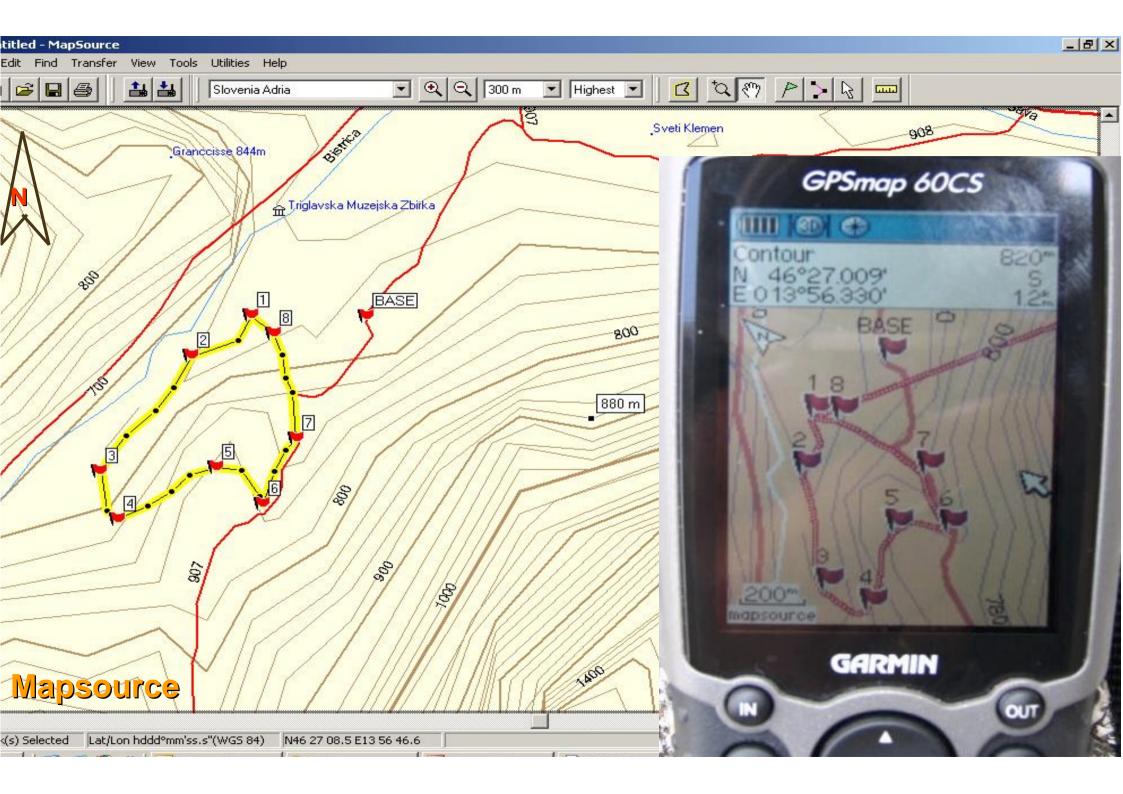


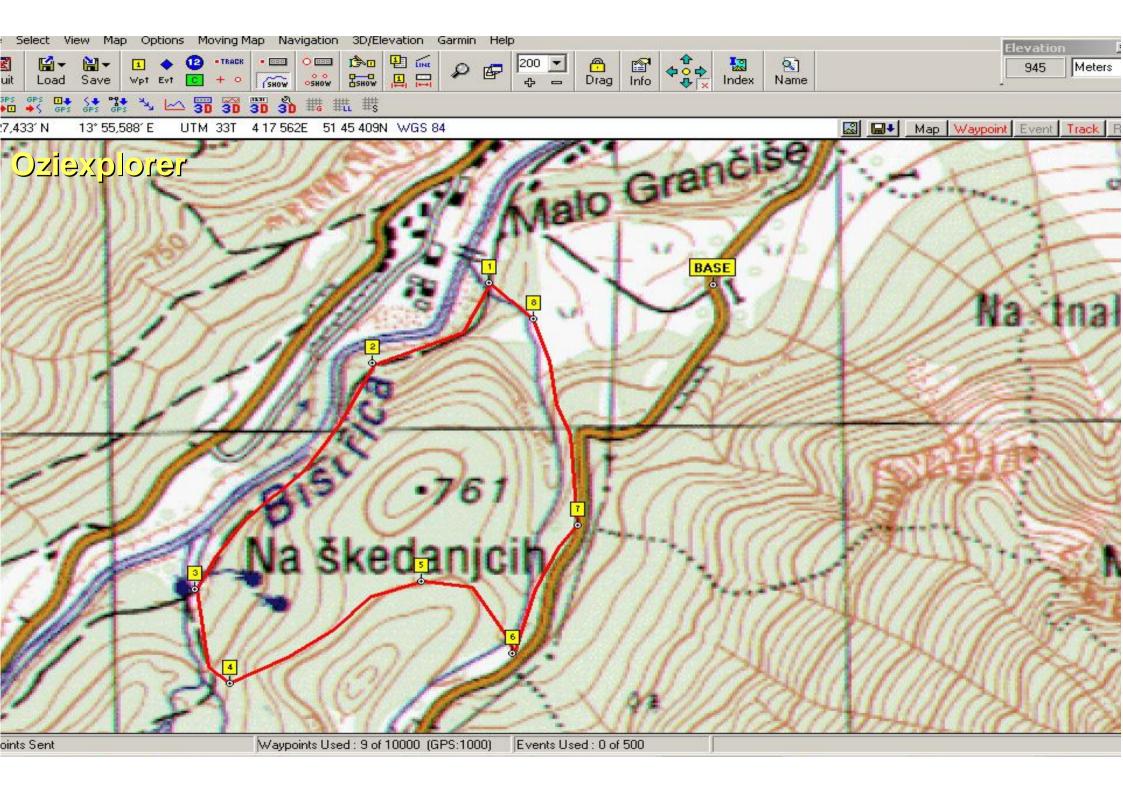
DEPARTURE Team leaders + rescuers (dog handlers)

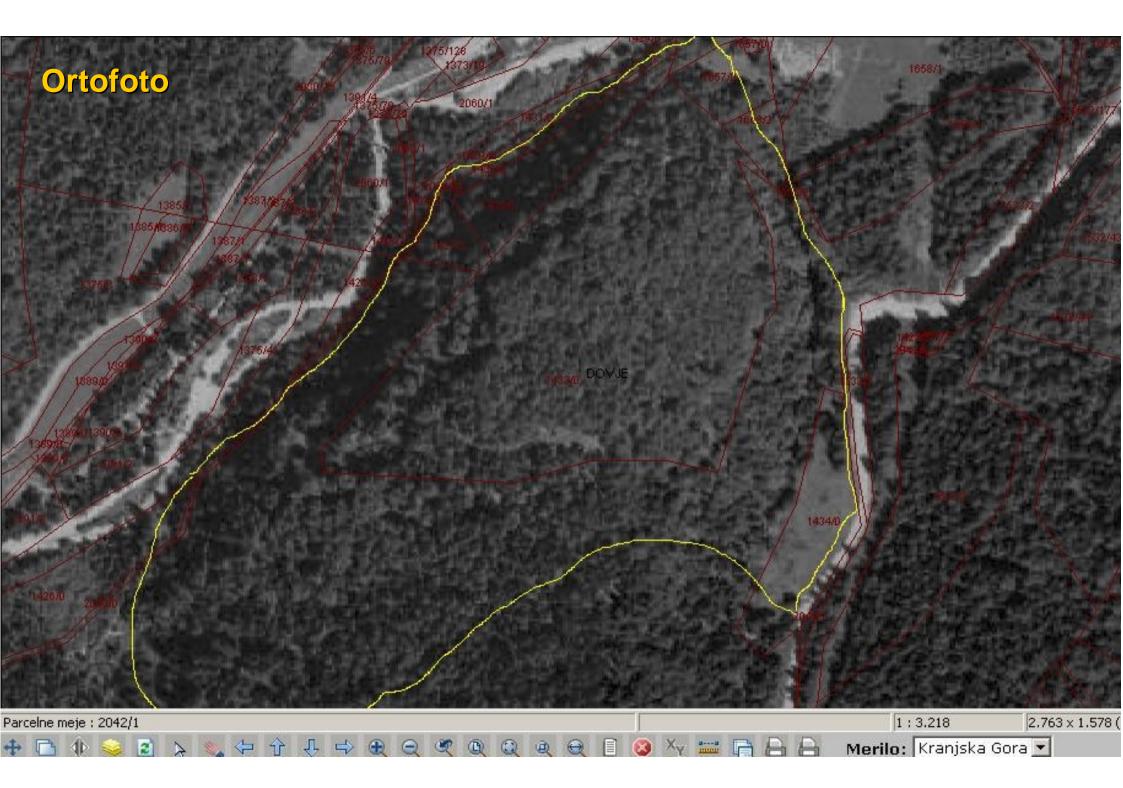
- check personal protective and preventive equipment (dog)
- check technical equipment (manual radio transmitter, GPS, backup power)
- check GPS (calibration, date, measure units)
- compare momentary position (at least with one of the other rescuers)
- check the communication (mobile radio transmitter)
- operator input EQUAL data to all devices (areas, districts, WPT)
- on copy of a map manually draw area(s) and important WPT

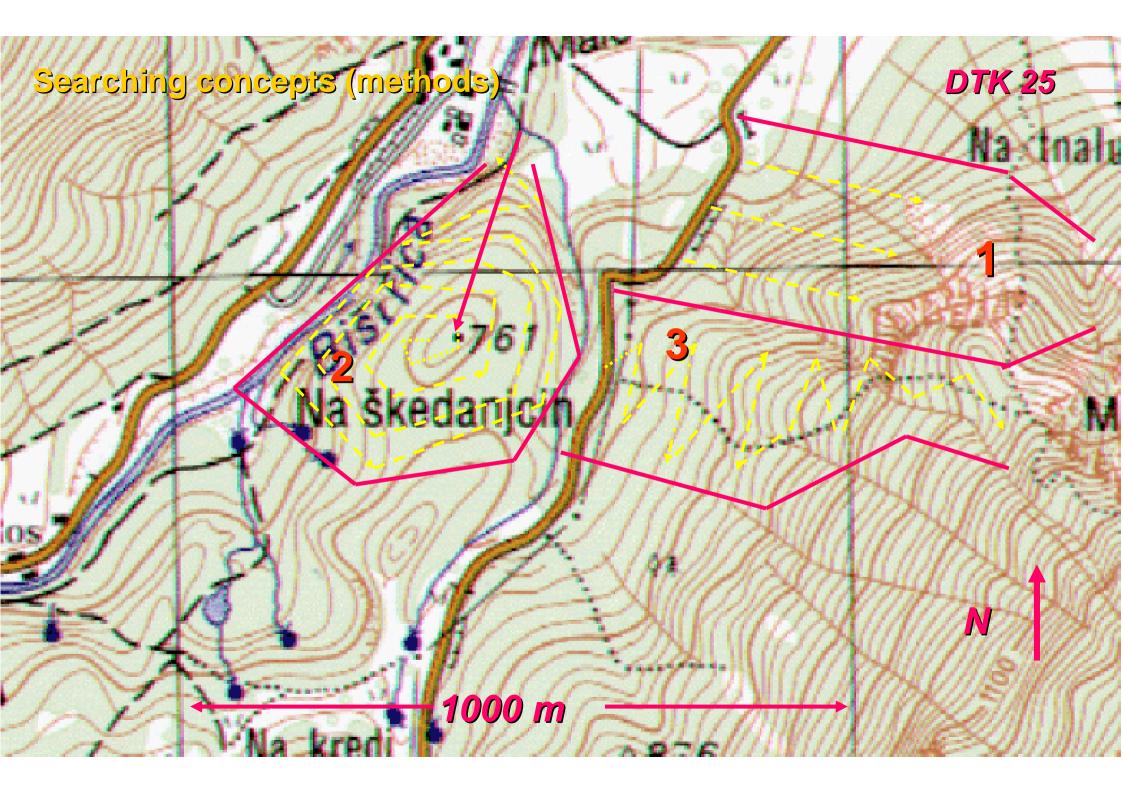












DEPARTURE

- departure of individual MUST BE RECORDED (where, when, signature)
- movement of groups to the start points of the search area(s)
- setting up the mobil-temporary base
- testing communications



MINUTE - SEARCH OPERATION

Check list of departures and arrivals

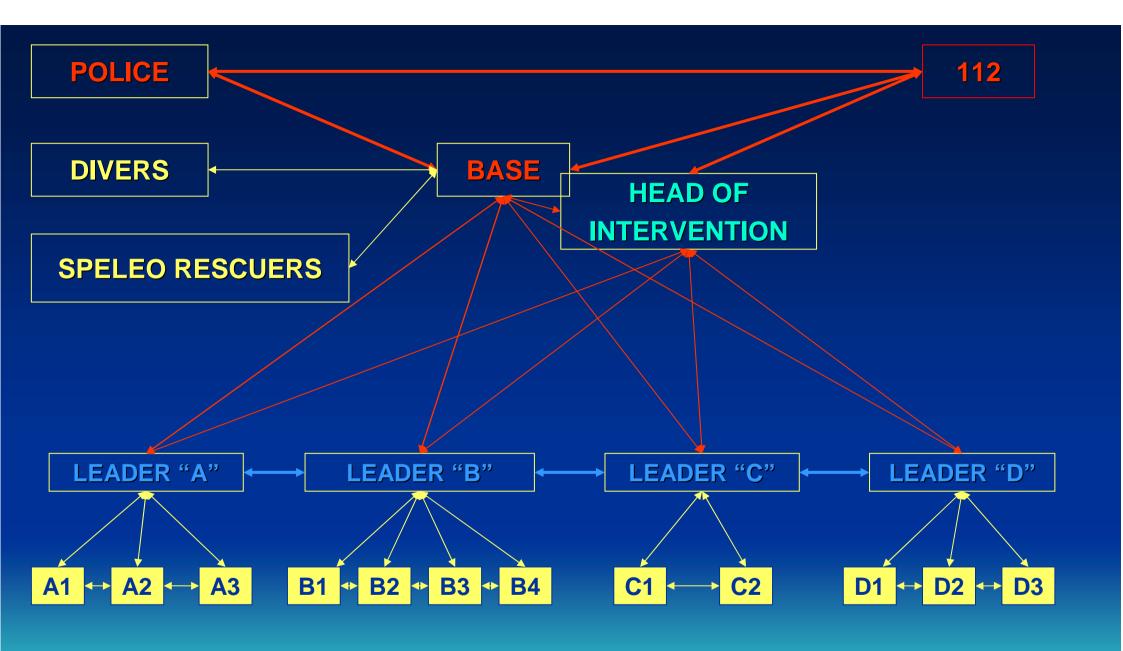
start of intervention: date hour :, meetin	g point:	
area (name chart):		
region (write boundary points): . A:	B:	, C
D:	E:	
the head of intervention from police:	· · · · · · · · · · · · · · · · · · ·	GRS:
end of intervention: date: hour:		

Nr.	name / station	call sign	region	departure / signature	arrival / signature	NOTICE	team leader.VS rescuer VRP rescuer R
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4.							
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9.							is.
10.		- S - S - S - S - S - S - S - S - S - S		3		3	



COMMUNICATION

- base / centre (frequency "A")
- base / the head of intervention (frequency "B")
- base / team leaders (frequency "B")
- base / rescuer / base (frequency "C")
- team leader / team leader (frequency "B")
- team leader / rescuers (frequency "C")
- rescuer / rescuer (same group frequency "C")



INTERVENTION

Rescuer

- the very first contact with Base of every group (team) or individual from start point of searching area
- cycle communuication at every extra ordinery event
- even if the communication fails, the rescuer mark and save WPT in regular cycles

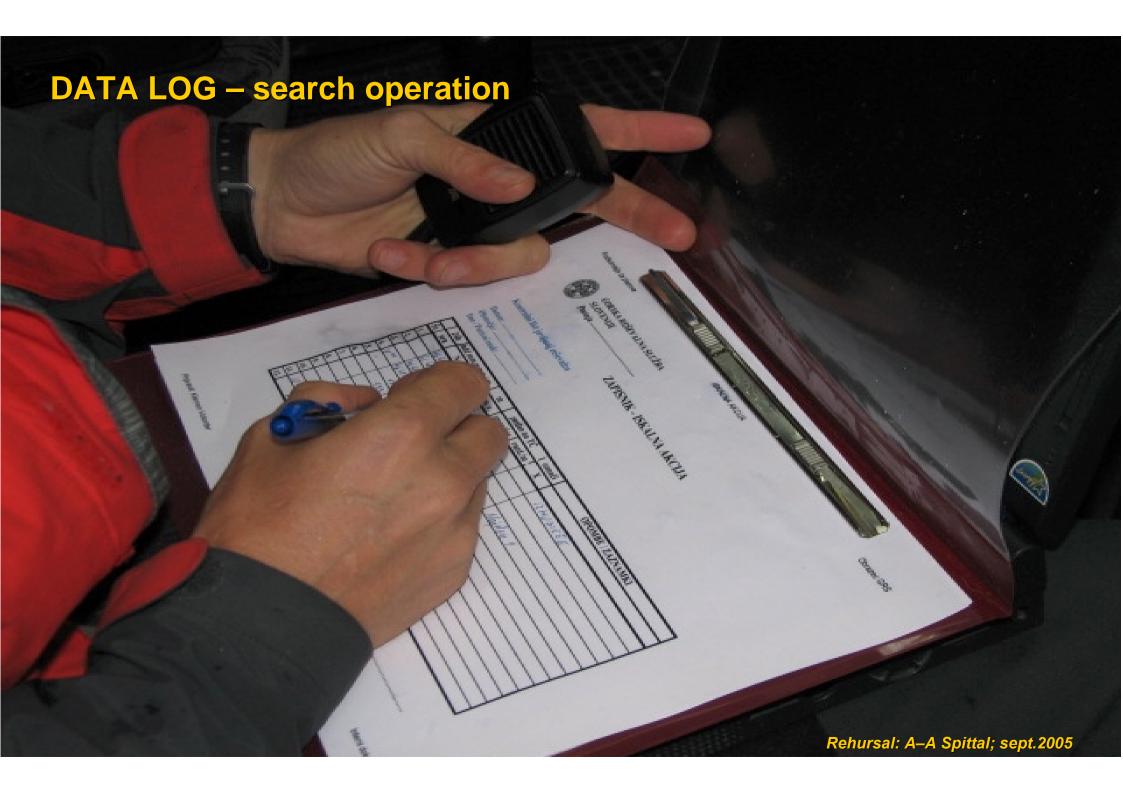
SHIRING.	GORSKA REŠEVALNA SLUŽBA
	SLOVENIJE
Roman	Postaja

MINUTE - SEARCH OPERATION

																		Ī			
Date:																					
Area:																					
Name	1	(3	a	I	l	5	i	g	1	ı						 	 			

Check list of data sent by rescuer

	24h hdd mm,mmm/m			m	sent to p	oint	mark	NOTICE / REMARKS
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INTERVENTION BASE / operator

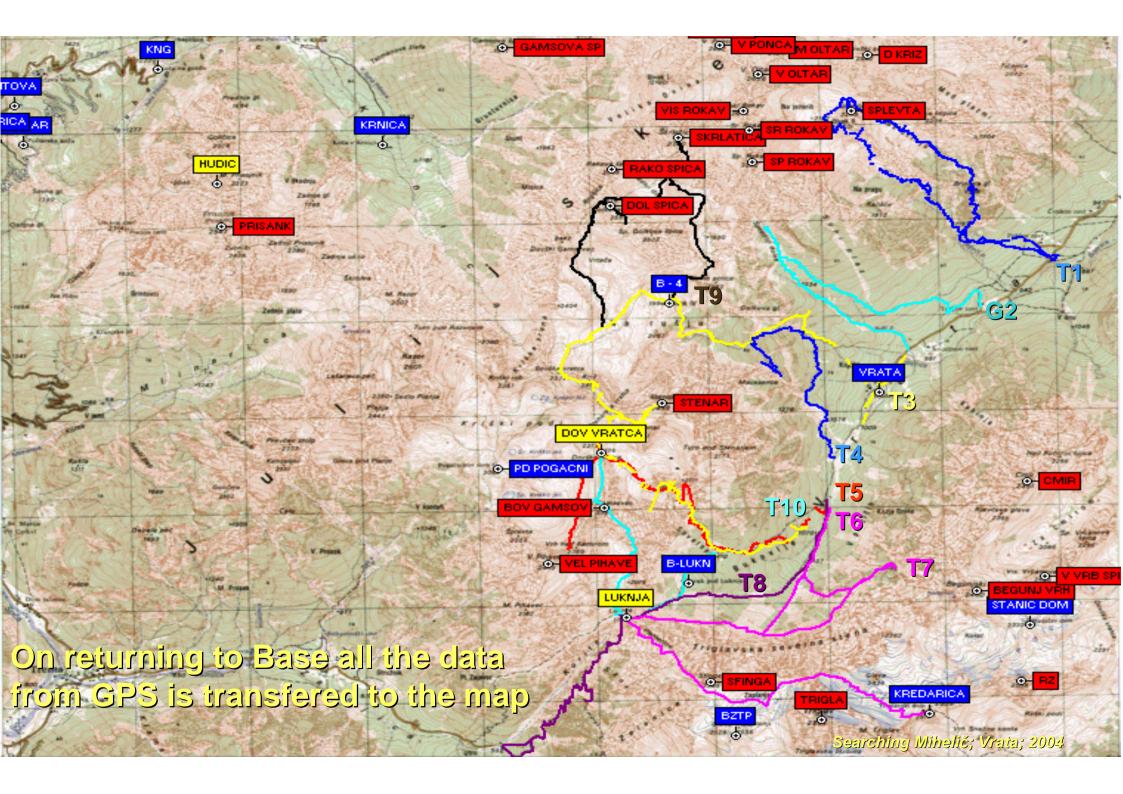
- operator warns, advise, directs
- gives news of all new incoming data related to rescue operation.
- sends all additional help, transport
- directs when returning back to Base

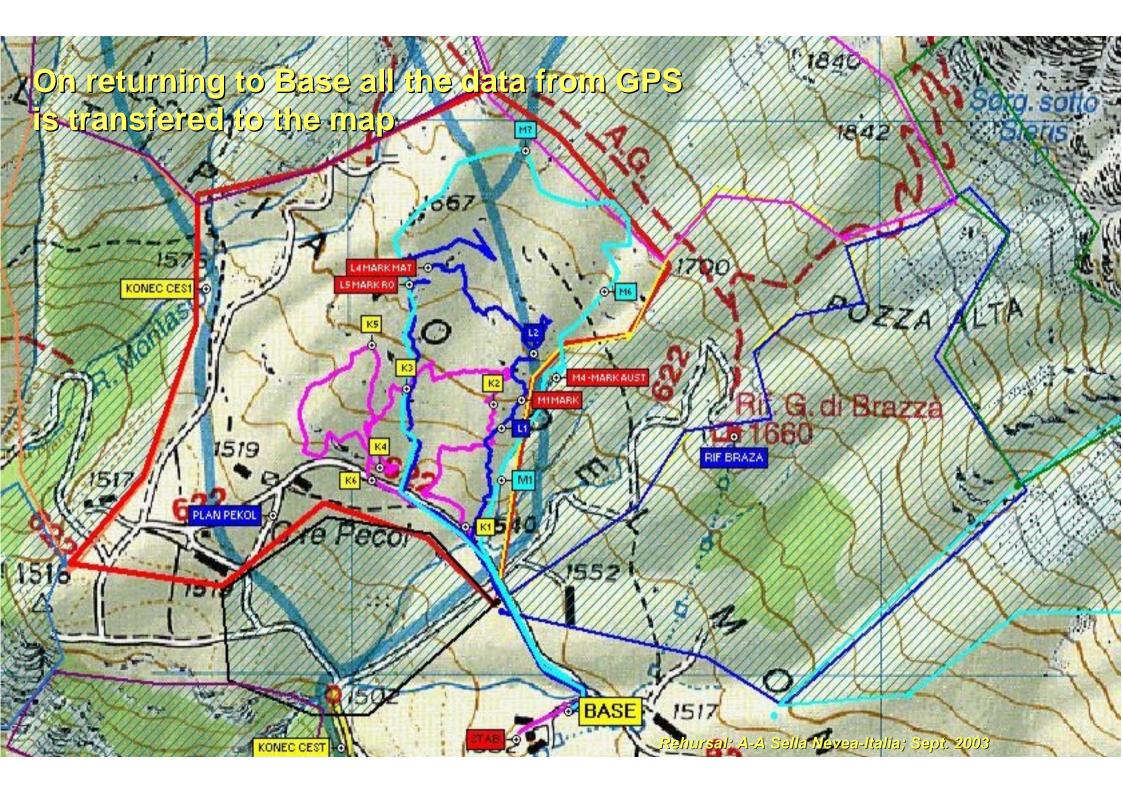
CONCLUSON OF INTERVENTION BASE / operator

- the rescuer who has found the victim with the help of head of intervention and operator organize further work (First aid, transport)
- by the direction of the head of intervention he informs all rescuers on the field that all the searching activities are stopped (the end of intervention)
- operator gives all the needed help to all groups or individuals on returning back to starting point or Base
- at arrival of rescuers he transfer all data into PC
- immediately the operator starts with editing (composing) of data

CONCLUSION OF INTERVENTION rescuer

- by returning to Base EVERY RESCUER is obligated to check by the operator and confirm his arrival with his signature
- every rescuer passes his GPS to the operator for transfer data to PC
- > rescuer add information for the record in minutes book





CONCLUSION OF INTERVENTIONhead of intervention + team leaders

- check of presence of all rescuers
- overview of gathered data
- in case, that the intervention is concluded, analysis is not necessary done immediately on spot
- in case, that the intervention is temporary stopped, partial analysis should be done at once
- > prepare the plan for next tasks (priority areas, number of necessary rescuers...)
- they ask for some additional explanation from individual rescuers

DISADVANTAGES

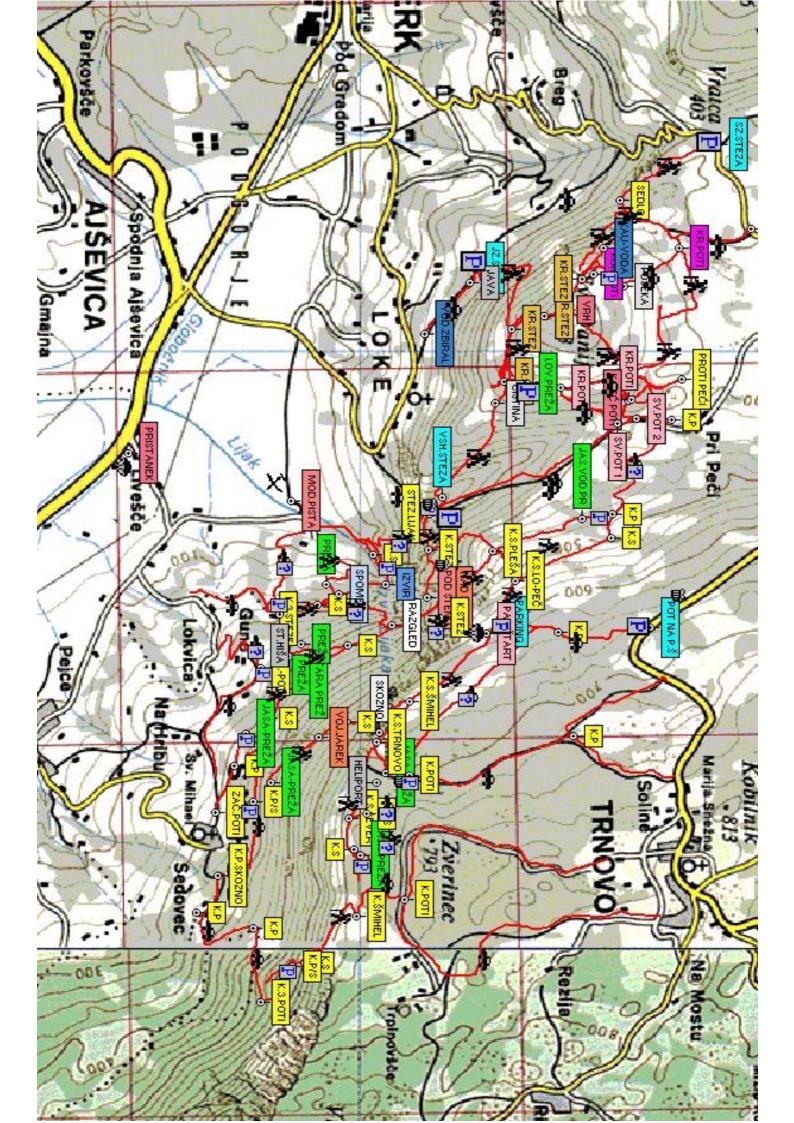
- energy
- > every technical equipment can fail without warning
- use of different map datum and coordinate systems
- bad signal in thick leafy forests, rift-valley...

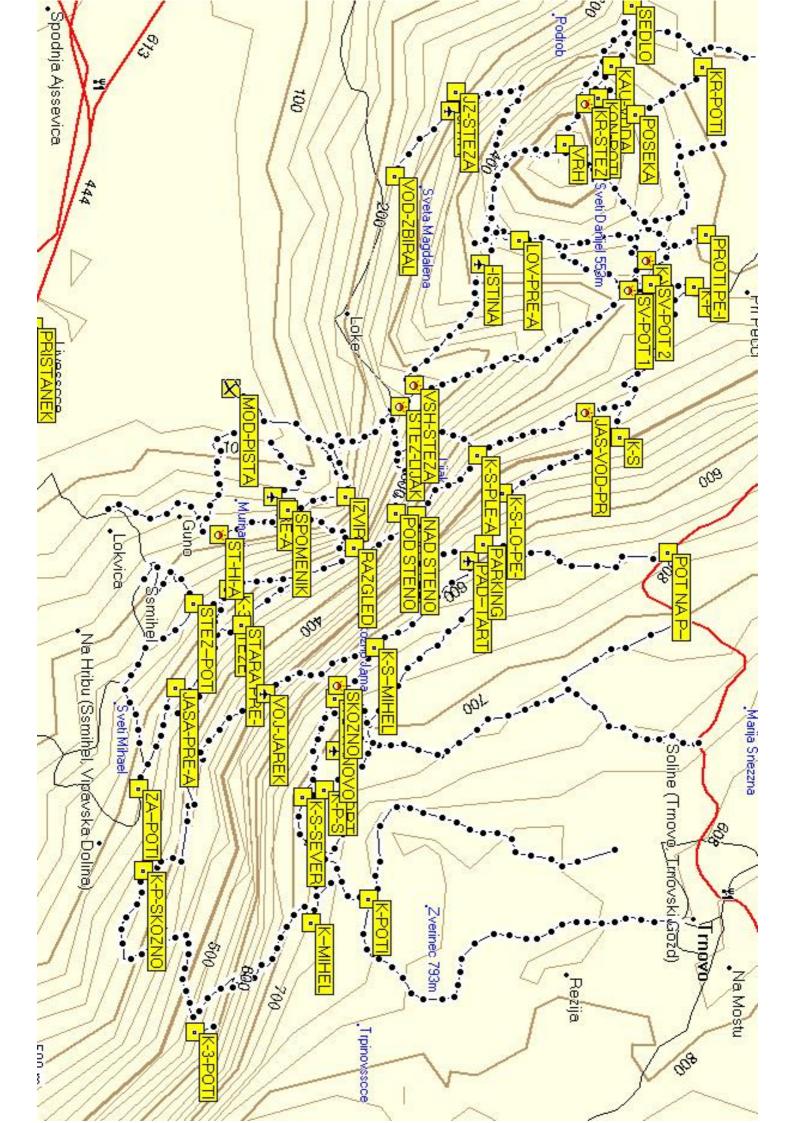
ADVANTAGES

- we know at any and for all the time the position the group or individual
- we know at any and for all the time what work has been done
- directing groups and individuals "in live"
- if difficulties arise we can send help or transport at the shortest way
- we can do partial or final analysis (recapitulation) of events quickly

DATA BASE

- reproduction of all tracks on our searched area
- commentary on quality and conditions on roads and paths
- reproduction of all important points
- commentary to all important points
- reproduction of positions, where accidents happen more often or where the missing persons stick





In the future...

We cannot do much more in planning or performing, but a rescuer or a dog handler may save some energy and precious time which is presently spent on managing a navigation device and informing us on the location. The leader of the individual rescue team will have a navigation device – GPS. The others in the group will be marked with GPS receivers, which will automatically transmit data to the base, where the track of their movement will delineate. The operator in the base will still offer support in the sense of navigation to individual rescuer and also by communicating with the leader of an individual group he will direct the whole rescue team.

The supervision and help are very welcome in the mission.

By supervising we provide lower risk and higher safety to the rescuer. We can correct mistakes simultaneously and thus shorten the time of the intervention.

After all, speed and safety are the main factors in the rescue mission.

